



# ADA (American with Disabilities Act) Compliant Specifications

## 1. ADA Gangways

1-A. AccuDock ADA Gangways are built using the same gangway fabrication details as explained in section 1-A1 of the Gangway Specifications Document, with the standard addition of:

1-A1. **Intermediate Handrails** - Made with 1-1/4" schedule 40 aluminum pipe with a minimum clearance of 36" above the gangway deck surface, and they will follow the arch shape of the gangway to ensure this distance remains constant throughout the length of the gangway. Intermediate handrails will have a minimum inside clearance of 36" between the inside edges of each railing, and will be machine welded to 2-1/2" x 3-7/8" centerline projected handrail brackets allowing a minimum 1-1/2" clearance between the handrail and the edge of the gangway. The handrail brackets will be located at each center stanchion of the gangway truss (Approximately 5' center to center). Intermediate handrail will also extend out 12" from the end of the gangway on each side and return to the stanchion at the end of the gangway 12" below with a 180° and 150mm radius bend.

1-A2. **Aluminum Kick Plate** - Composed of 2" x 4" x 1/8" architectural angle that will be machine welded into the structure of the gangway with the 4" side in the vertical direction and the 2" side in the horizontal direction, and it will run the length of the gangway on both sides. The gangway decking will rest on the 2" side of the angle, therefore the kick plate will extend 3" above the deck surface.

1-A3. **Square Pickets** - Available upon request, to meet 4" sphere requirements. Pickets will be composed of 1" x 1" x 1/8" square tube and will be machine welded to the outside of the gangway, and will be spaced accordingly on 4" centers to meet additional requirements.

## 2. ADA Transfer Kayak/Canoe Launch Docks

2-A. **ADA Transfer Platform** - Composed of fiberglass with a four step transition to the kayak launch slip.

2-A1. **Step Transition** - Each riser will be no more than 3 inches tall have a slight slope to accommodate entry and exit.

2-A2. **Transfer Support Methods** - Two transfer support methods are provided: an overhead assist bar and an overhead continuous grab bar per 1008.3.1.4 and 1008.3.2.3 Transfer Supports Turning space per (1008.4.1 Turning Space). These bars are composed of 1-1/4" schedule 40 aluminum pipe and are supported by vertical stanchions that are composed of the same material and are bolted into the transfer platform at its base.

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2-A3. **Wheelchair Access** - The transfer platform provides access from wheelchair height level down to the dock level, as well as access in returning to the wheel chair is in compliance with 1008.3 Transfer Systems: As per the ADA Standards for Accessible Design.

2-A4. **Transfer Platform ADA Compliancy** is as follows:

2-A4.1. **Transfer Platform** provided per 1008.3.1 (transfer platforms shall be provided where transfer is intended from wheelchairs or other mobility aids).

2-A4.2. Loading surface level and step size is in compliance with (1008.3.1.1 size & 1008.3.1.2 height).

2-A4.3. Transfer space is provided per 1008.3.1.3 Transfer Space.

### 3. ADA Roll Guard/Edge Guard

3-A1. **Edge Roll Off Guard** - Composed of composite material that is 2.5" high by 1.5" wide with rounded top edges. It shall be installed around the entire perimeter of any ADA floating dock with the exception of an open slip. The roll guard will be bolted into the 2" x .125" square tube framework of the floating dock using 304 stainless steel hardware.

3-A2. All attachment hardware will be countersunk to avoid any hazard of exposed hardware.

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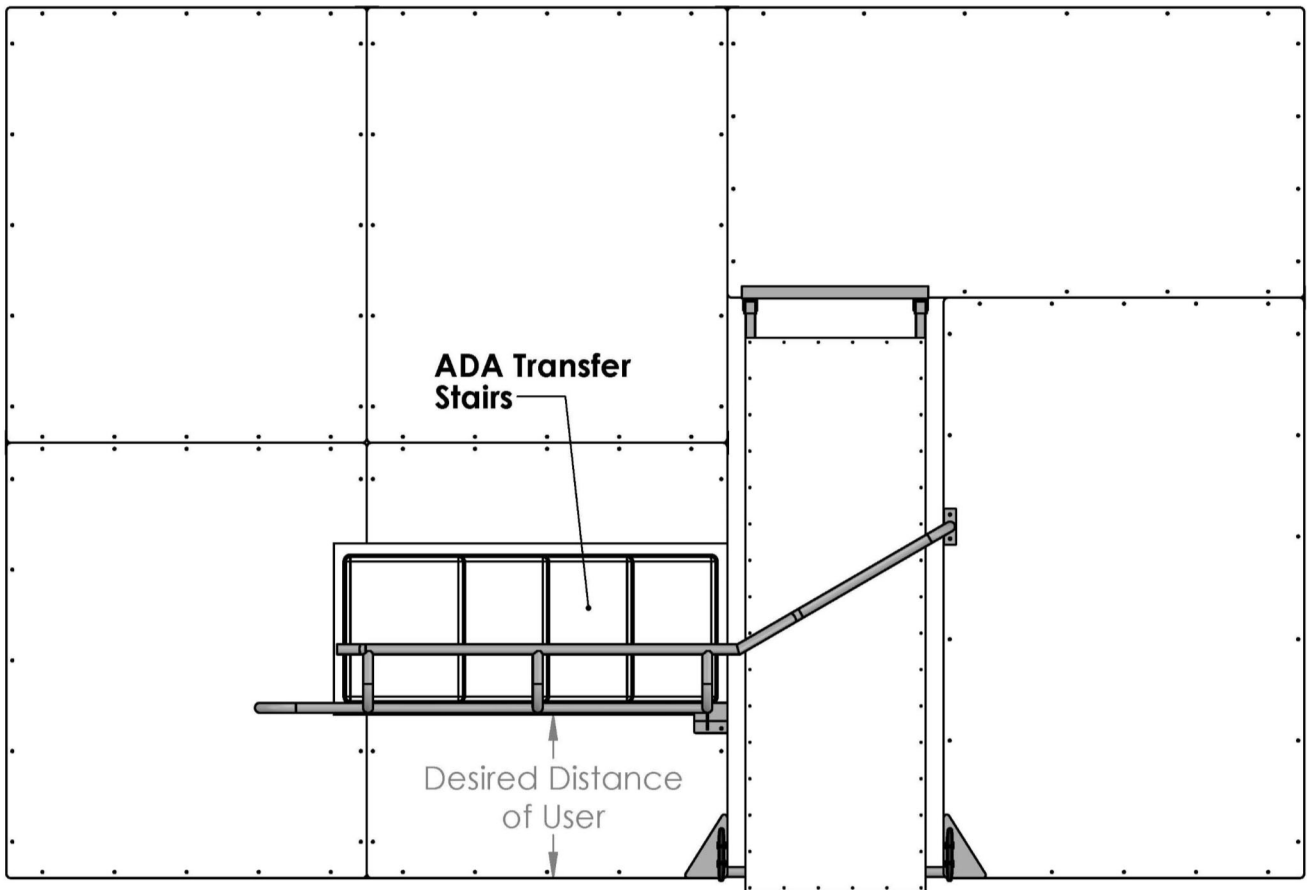


**ADA COMPLIANT  
INSTALL INSTRUCTIONS  
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## INSTALLATION INSTRUCTIONS



### ADA Transfer Stairs

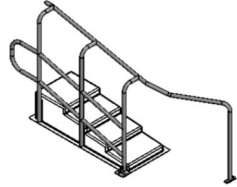




# BEFORE INSTALLATION

Thank you for your purchase with AccuDock. Our products have been constructed for durability and designed for easy installation. Please take the time to read these instructions carefully before installing your AccuDock.

Check your package carefully to ensure you have all parts and hardware listed below. Should you be missing any of the hardware please contact us.

## PARTS LIST

While unpacking, please be sure to not discard any of the parts. Set them aside on a flat surface and ensure all parts are present prior to installation.

Part	Qty	
ADA Transfer Stairs (ACC-TRF)	1	
3/8"-16 x 3-1/4" Hex Bolt with Fender Washer	5	
3/8" Flat Washer	10	
3/8" Lock Washer	5	
3/8"-16 Hex Nut	5	

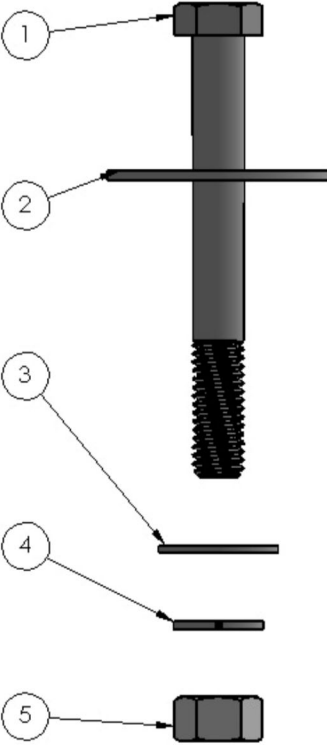
## TOOLS NEEDED

Cordless Drill with 3/8" Drill Bit

Wrench

Ratchet with 9/16" Socket

# HARDWARE LIST

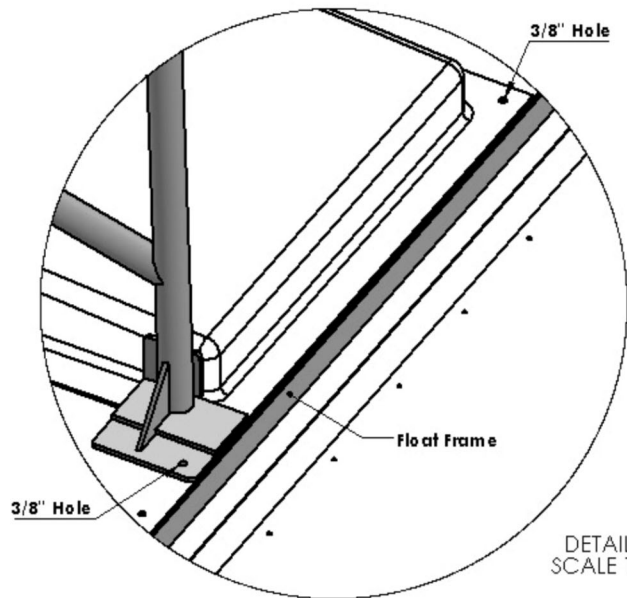
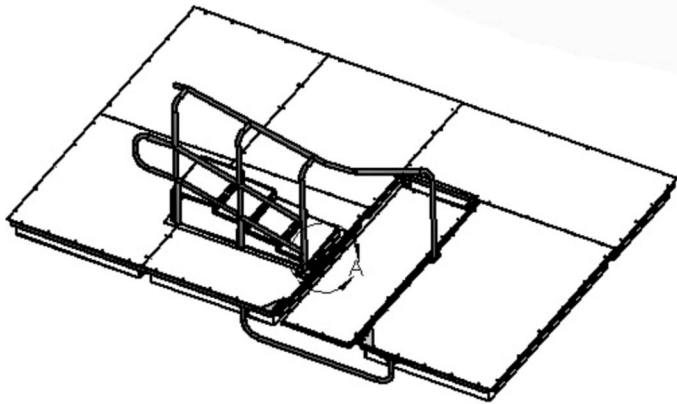


Label	Description
1	3/8"-16 x 3-1/4" Hex Bolt
2	3/8" Fender Washer
3	3/8" Flat Washer
4	3/8" Lock Washer
5	3/8"-16 Hex Nut

# STEP ONE

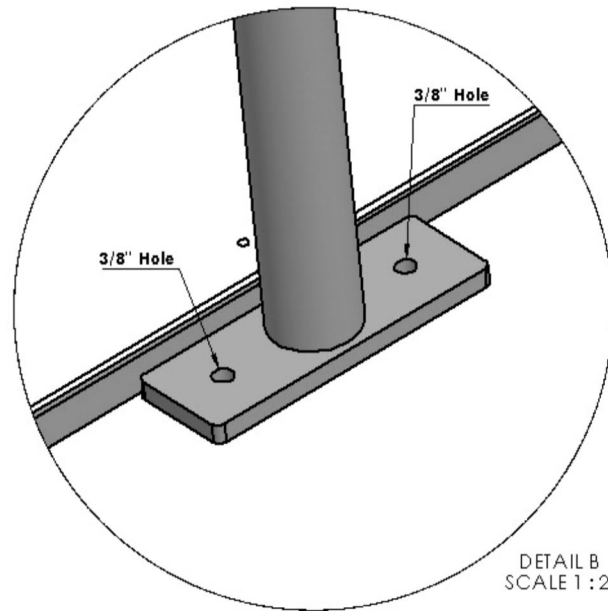
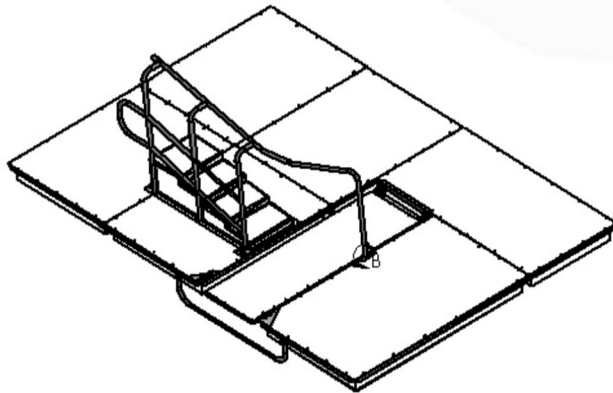
After connecting all the floats, place the ADA transfer stairs in the desired location.

Using a 3/8" drill bit, drill through the aluminum foot pad and the fiberglass lip of the stairs. The holes should go all the way through the float frame. Be sure that the holes will not interfere with any pre-existing hardware before drilling. See Detail A.



# STEP TWO

Using a 3/8" drill bit, drill through the pre-existing holes in the aluminum foot pad. These holes should go all the way through the float frame. Be sure that the holes will not interfere with any pre-existing hardware before drilling. See Detail B.

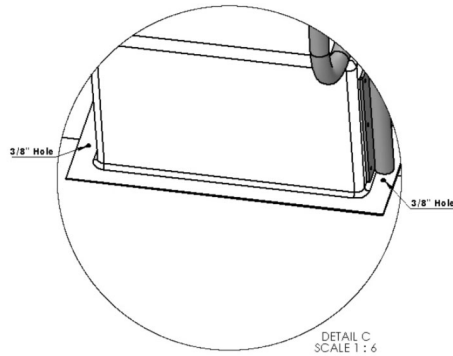
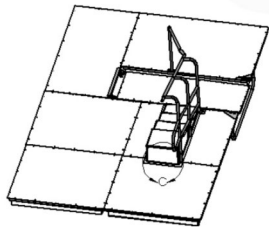


# STEP THREE

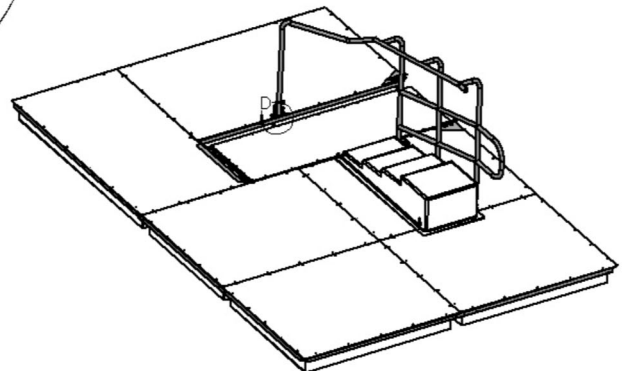
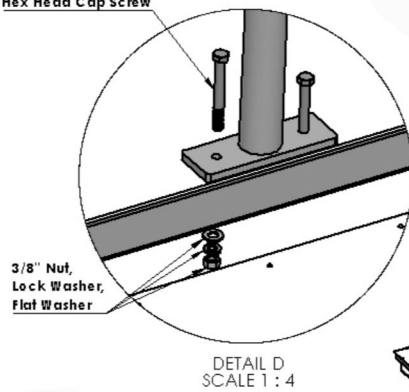
Using a 3/8" drill bit, drill through the fiberglass lip of the stairs. These holes should go all the way through the float frame. Be sure that the holes will not interfere with any pre-existing hardware before drilling. See Detail C.

**Note:** It is important to make sure that the holes line up with the float frame before drilling.

Next, insert 3/8"-16 x 3-1/4" hex head cap screws and secure them underneath the float frame with a flat washer, lock washer, and 3/8" hex nut. See Detail D.



3/8"-16 x 3-1/4"  
Hex Head Cap Screw

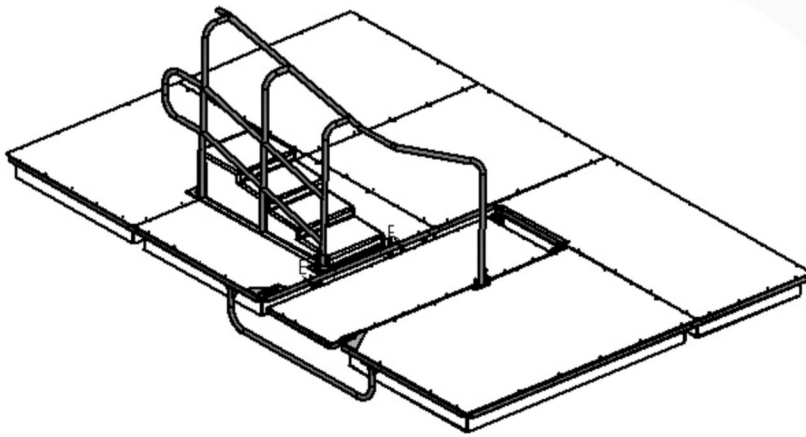


# STEP FOUR

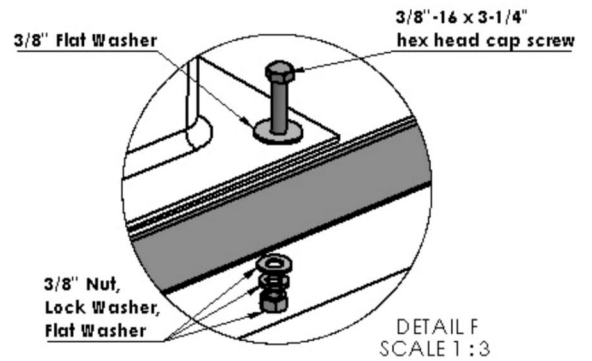
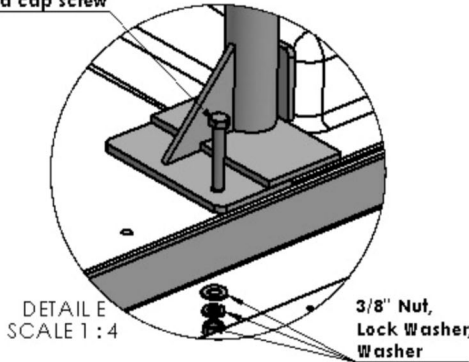
Insert 3/8"-16 x 3-1/4" hex head cap screws into all the drilled holes and secure them underneath the float frame with a flat washer, lock washer, and 3/8" nut.

The bolts inserted through the fiberglass lip of the stairs should have fender washers as shown in Detail F.

Be sure to tighten all of your bolts and inspect your work.



3/8"-16 x 3-1/4"  
hex head cap screw

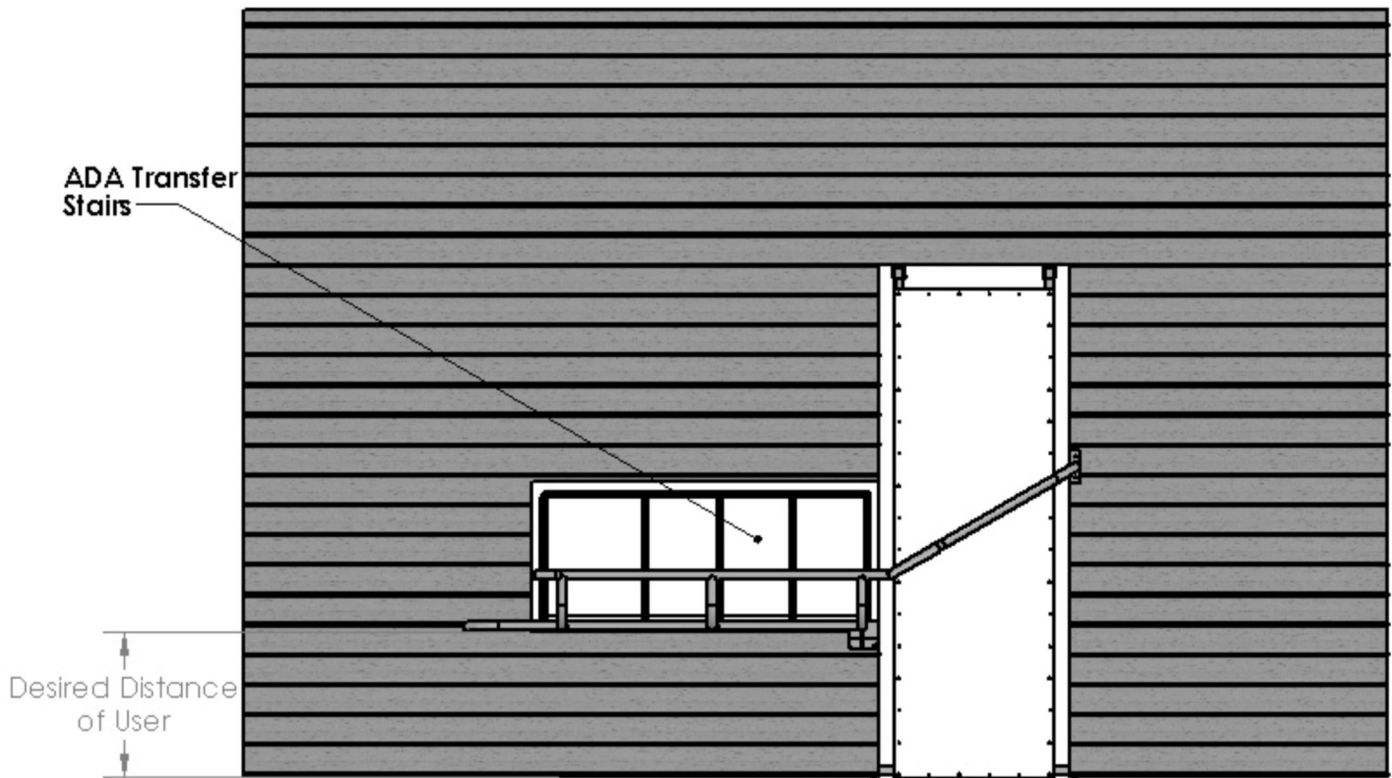




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## INSTALLATION INSTRUCTIONS



### ADA Transfer Stairs to Decked Dock

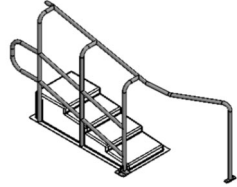




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3/8" Lock Washer	5	
3/8"-16 Hex Nut	5	

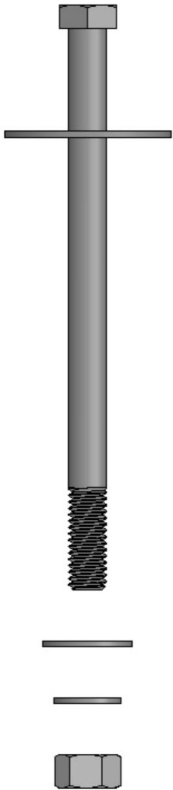
## TOOLS NEEDED

Cordless Drill with 3/8" Drill Bit

Wrench

Ratchet with 9/16" Socket

# HARDWARE LIST

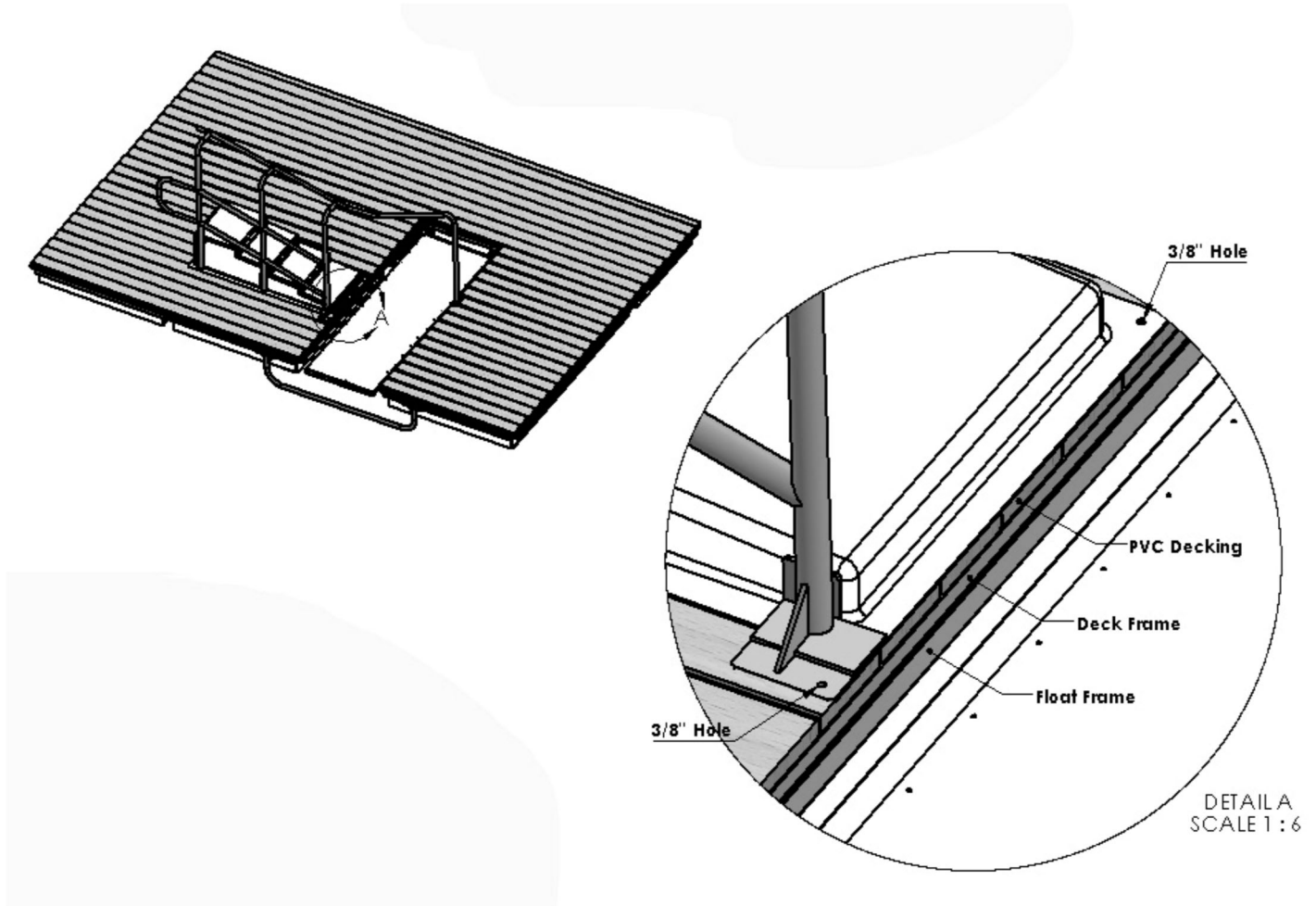


Label	Description
1	3/8"-16 x 5- 1/2" Hex Bolt
2	3/8" Fender Washer
3	3/8" Flat Washer
4	3/8" Lock Washer
5	3/8"-16 Hex Nut

# STEP ONE

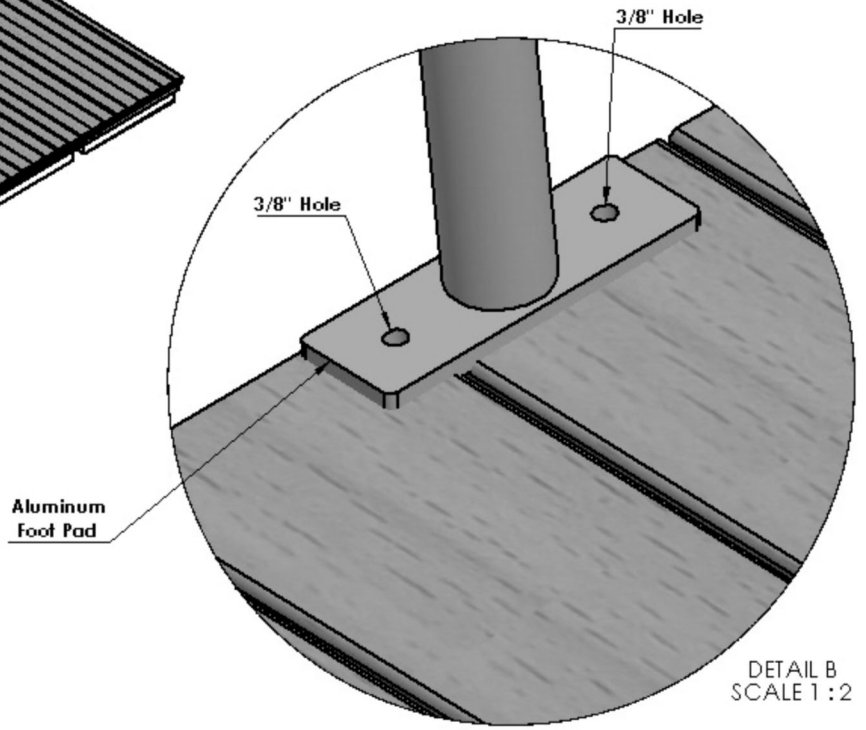
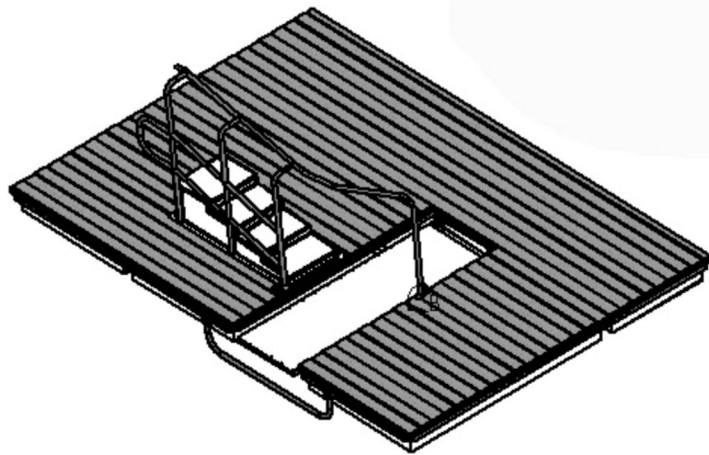
After connecting all the floats, place the ADA transfer stairs in the desired location.

Using a 3/8" drill bit, drill thru all holes beginning with the aluminum foot pad and the fiberglass lip of the stairs, and ending with the aluminum float frame. Be sure that the holes will not interfere with any pre-existing hardware before drilling. See Detail A.



# STEP TWO

Using a 3/8" drill bit, drill thru all holes using the pre-existing holes in the aluminum foot pad. Be sure that the holes will not interfere with any pre-existing hardware before drilling. See Detail B.

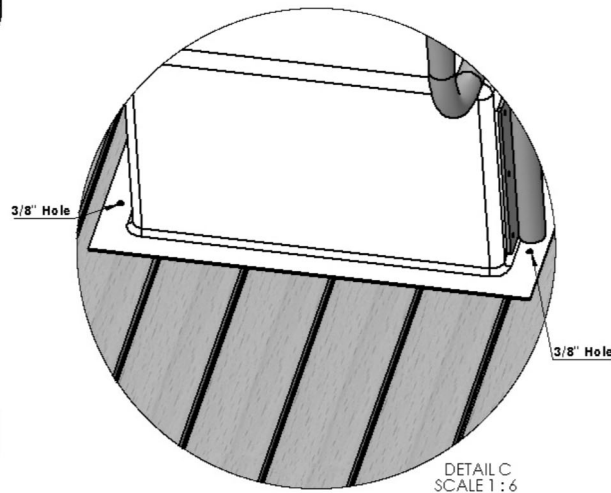
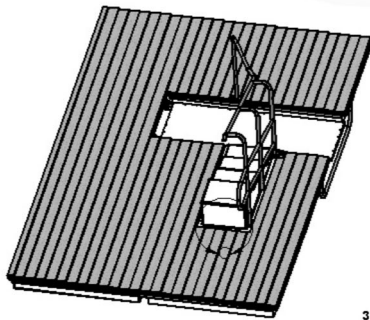


# STEP THREE

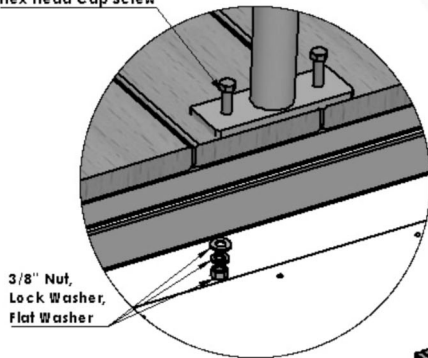
Using a 3/8" drill bit, drill thru all the holes beginning with the fiberglass lip of the stairs and ending with the aluminum float frame. Be sure that the holes will not interfere with any pre-existing hardware before drilling. See Detail C.

**Note:** Make sure that the holes line up with the float frame before drilling.

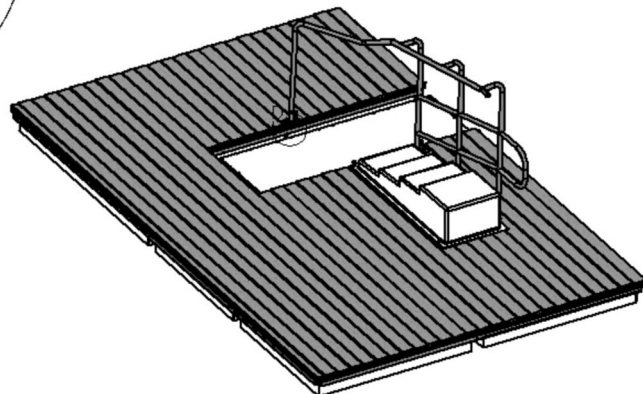
Next, insert 3/8"-16 x 5-1/2" hex head cap screws and secure them underneath the float frame with a flat washer, lock washer, and 3/8" hex nut. See Detail D.



3/8"-16 x 5-1/2"  
Hex Head Cap Screw



DETAIL D  
SCALE 1 : 4

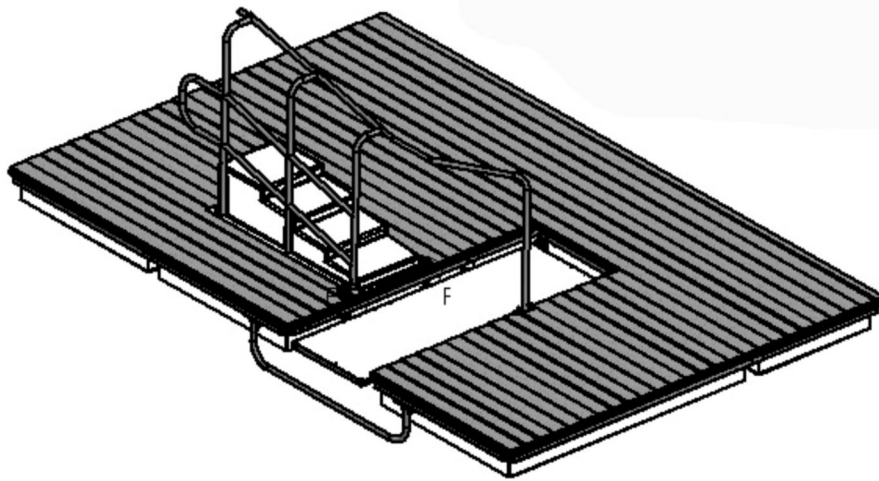


# STEP FOUR

Insert 3/8"-16 x 5-1/2" hex head cap screws into all the drilled holes (6x) and secure them underneath the float frame with a flat washer, lock washer, and 3/8" nut.

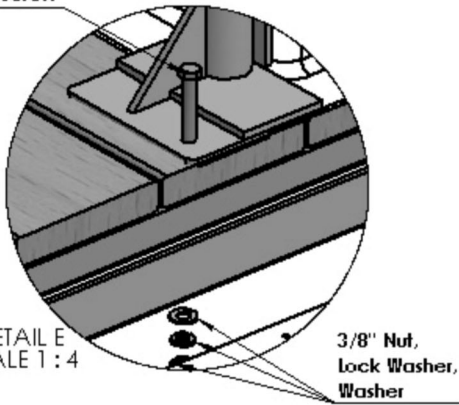
**Note:** The bolts inserted through the fiberglass lip of the stairs should have fender washers as shown in detail F.

Be sure to tighten all of your bolts and inspect your work.



3/8" - 16 x 5-1/2"  
hex head cap screw

DETAIL E  
SCALE 1:4



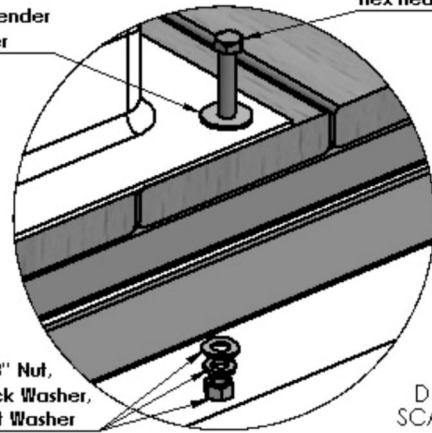
3/8" Nut,  
Lock Washer,  
Washer

3/8" Fender  
Washer

3/8" - 16 x 5-1/2"  
hex head cap screw

3/8" Nut,  
Lock Washer,  
Flat Washer

DETAIL F  
SCALE 1:3





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# Floating Dock Specifications

## 1. Standard Modular Floating Dock Sections

1-A. Each AccuDock floating dock section shall be composed of hand welded High Density Polyethylene (HDPE) sheet plastic, using non-rotationally molded floats. AccuDock sections are manufactured using individual sheets for sides, ends, bottoms, and tops. With a 100% guaranteed universal wall thickness of .150 inches (min.), and completely encapsulated expanded polystyrene (EPS) foam. The lid or top surface has a 2-1/2" lip around the entire float.

1-A1. HDPE plastic will be white in color, and have a levant non-skid texture. It will incorporate an ultraviolet inhibitor of UV-8 or better. All plastic material meets requirements of ASTM D4976- PE 235 & FDA 21CFR 177.1520.

1-A2. The density of an AccuDock section is equal to approximately .950 grams per cubic inch or .058 grams per cubic centimeter per ASTM D4883.

1-A3. The tensile strength at yield will be no less than 3800 pounds per square inch, and at break no less than 4400 pounds per square inch, per ASTM D638.

1-A4. The material will have a cold brittleness temperature at no less than -103° F.

1-B. Completely encapsulated EPS shall be 100% virgin material and be of a closed cell nature allowing no more than 3% water penetration. This specification will ensure all AccuDock sections will never sink. Floatation shall not be accomplished by use of air pockets in any form.

1-B1. All EPS foam block used in the manufacturing process will be pre-cut and hand trimmed to exact size, then hand loaded into each float section to ensure 100% foam filled, air-tight encapsulation.

1-C. Sections will have a marine grade aluminum frame surrounding the entire perimeter which will be 2" x 2" x .125" square tubing with radius corners made of 6061-T6 series aluminum. Each aluminum frame will be attached to the float section or HDPE top with 5/16" x 2-3/4" 304 series Stainless Steel carriage bolts. However, sections that are designed to be used individually (work floats) will not have an aluminum frame.

1-D. Each section shall have a maximum weight of no more than 120 pounds, and shall draft no more than 1" under dead load. Specified live load capabilities of 62 pounds per cubic foot will be supported.

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## 2. Connections of Standard Modular Float Sections

2-A. All connectors provided for assembly of adjacent sections are designed for each individual custom configuration. Connectors shall be made from 6061-T6 Marine grade aluminum and typically be of 1.66" x 1.66" x .125" square tubing.

2-B. Connectors will create a rigid and stable connection between float sections.

2-C. Connectors will be bolted into place with a combination of 304 series Stainless Steel carriage bolts and hex cap screws.

## 3. AccuDock Aluminum Floating Dock

3-A. AccuDock Aluminum Floating Dock sections are available upon request and by suggestion of an AccuDock team member. These sections are built to any size configuration as needed by the customer, and are built with several different decking options available.

3-A1. Aluminum Floating Dock Systems will be built using an aluminum C-Channel frame system with .125" wall thickness, with height of either 4" or 8" C-Channel. Aluminum will be 6061-T6 marine grade. Spacing of cross member (s) will depend on desired decking, but in no circumstance be greater than 24" center to center. All sections will have corner strength gussets, and sections are pre-drilled for ease of field installation.

3-A2. Floatation of the Aluminum Floating Dock sections will be accomplished using our standard fabrication process as illustrated below.

3-A2.1 Each AccuDock float section shall be composed of hand welded High Density Polyethylene (HDPE) sheet plastic, using non-rotationally molded floats. AccuDock sections are manufactured using individual sheets for sides, ends, bottoms, and tops. With a 100% guaranteed universal wall thickness of .150 inches (min.), and completely encapsulated expanded polystyrene (EPS) foam.

3-A2.2. HDPE plastic will be black in color. All plastic material meets requirements of ASTM D4976 - PE 235 & FDA 21CFR 177.1520.

3-A2.3. The density of an AccuDock section is equal to approximately .950 grams per cubic inch or .058 grams per cubic centimeter per ASTM D4883.

3-A2.4. The tensile strength at yield will be no less than 3800 pounds per square inch, and at break no less than 4400 pounds per square inch, per ASTM D638.

3-A2.5. The material will have a cold brittleness temperature at no less than -103° F.

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3-A2.6. Completely encapsulated EPS shall be 100% virgin material and be of a closed cell nature allowing no more than 3% water penetration. This specification will ensure all AccuDock sections will never sink. Floatation shall not be accomplished by use of air pockets in any form.

3-A2.7. All EPS foam blocks used in the manufacturing process will be pre-cut and hand trimmed to exact size, then hand loaded into each float section to ensure 100% foam filled, air-tight encapsulation.

3-A3. Floatation will be lag bolted into the bottom of the C-Channel with 3/8" x 1-1/2" stainless steel lag bolts. All heavy duty sections are bolted together with 3/8" x 5" stainless steel 304 series hardware. Several decking options are available to which Phillips oval-head deck screws are provided at time of shipment, so that the decking can be bolted down into the C-Channel.

3-A4. The percentage of the footprint of floatation to the overall footprint of the dock surface area will be no less than 75% to maximize overall stability.

#### 4. Attachments

4-A. Attachments will be specific to each customer, however all approved sales will have an AccuDock recommended attachment method which will be covered under warranty. All attachment methods shall have the ability to bolt directly into the framing system on every float section. There will be no set area where an attachment must take place. All Attachments will bolt into the framing system with 304 series Stainless Steel hardware.

4-B. Attachment methods include all of the following, as well as custom brackets not mentioned: Anchoring to pilings, seawalls, bulkheads, existing floating docks, spud poles, cross anchoring underneath dock, anchor chains, eco-mooring rodes with helix anchors, gangway hinge points, control arm hinges, standoffs. All attachment methods will not have a specified location where they must be attached. During field installation, the installer will have the ability to move the location of the attachment method on the AccuDock Floating Dock as needed.

4-C. AccuDock approved attachment methods often rely on correct information provided by the customer. Drawings and/or Engineered stamped plans can be supplied upon request.

#### 5. Accessories

5-A. All AccuDock accessories will bolt directly into the framing system on every float section. There will be no set area where an accessory must be positioned. All accessories will bolt in the framing system with 304 series Stainless Steel hardware.

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5-B. Common accessories include but are not limited to:

5-B1. **8" Cleats** - Plastic black cleats measuring no more than 1-1/2" wide with a height of 1-5/8" above the surface of the dock section. 2" x 2" x .125" Framing system will allow cleats to be installed anywhere along the perimeter of the floating dock system.

5-B2. **Aluminum S Cleats** - Supplied with 1/2" mounting hardware. 2" x 2" x .125" Framing system will allow cleats to be installed anywhere along the perimeter of the floating dock system.

5-B3. **Bumpstrip** - Will be installed with 5/16" carriage bolts and a double sided adhesive tape on the exterior wall of the 2" x 2" x .125" aluminum frame on specified float sections prior to shipment. Bumpstrip will have a P Profile with either a clay tone or beige color.

5-B4. **Safe Launch Feature** - Will be provided upon customer request in proper dock configurations that incorporate a drive in slip. Safe Launches are made out of 1.66"x 1.66" x .125" aluminum tubing with .150" thick white non-skid plastic sheet surface. Safe Launches have a double adjustment. The inside end utilizes hinge pins that will have the ability to be placed into one of four pre-drilled locations. The outside end is a single rope adjustment which is the main adjustment point and will be tied off to two cleats which come pre-installed with a triangular aluminum diamond plate finish. Safe Launch adjustment is designed to be easily accomplished regardless of age or gender. Typical sizes of an AccuDock Safe Launch are either 30" x 8' or 30" x 12'.

5-B5. **Overhead Assist Bars, Side Assist Railing, Paddleboard Railing** - Will be field installed at customer's desired location. Materials used will be 1-1/4" schedule 40 aluminum pipe, attaching to the surface of each float with 304 series Stainless Steel hardware, being bolted through the 2" x 2" x .125" aluminum framing system on each float section.

5-B6. **Miscellaneous Accessories** - Will have the ability to attach to the 2" x 2" x .125" aluminum framing system on each float section with 304 series Stainless Steel hardware. This feature will allow the customer to place any accessory where the desire along the perimeter of each float section.

## 6. Railings

6-A. Standard railings will be 1-1/4" schedule 40 aluminum pipe, attaching to the surface of each float with 304 series Stainless Steel hardware, being bolted through the 2" x 2" x .125" aluminum framing system on each float section. Railings typically are single, double, or ADA specified triple railing based on customer's request and requirements.

6-B. Railing fabrication has the ability to make sockets if customers require easily removable railings. 1-1/4" schedule 40 aluminum railings will sit in 1-1/2" schedule 40 aluminum pockets and be held into position with a 5/16" x 2-1/2" Stainless Steel quick release pin.

6-C. Railing design also includes the ability to add custom size hinging gates upon request. Hinging gates will incorporate a Stainless Steel quick release locking pin.

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6-D. All railing configurations can be built in accordance with OSHA standards.

## 7. Low Profile Decked Docks

7-A. All Decked floating dock systems incorporate the same standard AccuDock fabrication processes for float sections and framing systems as outlined above in Specifications 1 & 2. The design of the decked system is customer specific, and dimensions of overall layouts will vary, with the basic specifications below remaining constant.

7-A1. The independent framing system is constructed of 6063-T5 1-1/4" x 1-1/4" x 1/8" aluminum channel. The frame system will cover the entire surface area of the standard AccuDock system, as well as incorporate spacing members on 16" centers as required for decking support. The frame is built in smaller sections for ease of installation, and is bolted to adjoining sections with 304 series Stainless Steel hardware. The entire frame system is through bolted with 304 series Stainless Steel hardware to the standard AccuDock 2" square aluminum tube framing.

7-A2. The walking surface utilizes Wolf PVC deck boards measuring 1-inch-thick x 5.5 inches wide with a solid cross section and an embossed simulated wood grain non-skid pattern surface on both sides of each individual deck board. Wolf PVC deck boards are ICC code approved - CCR - 0141, and are rated for a uniform live load of 100 lbs./ft<sup>2</sup> where structural performance has been demonstrated for a temperature range from -20°F to 125°F. Wolf PVC Decking is currently available in eight different color options, however other decking options are available upon request. The deck boards are coated with an ASA cap stock resin which helps retain its original color under prolonged exposure to sun and weather. Additionally, Wolf PVC Decking has a 25-year stain and fade warranty.

7-A3. Side skirt boards will be suggested and included on all decked systems for a complete and finished look. Skirt boards will be screwed into both the AccuDock standard frame system, as well as the specific framing. Skirt boards will use the same deck boards as the surface.

7-A4. The additional weight of the decked system will result in additional draft of 1 inch from the standard AccuDock system. The additional height of the system will result in an additional total freeboard of 1-1/4".

## 7-B. Low Profile Rowing Docks

7-B1. AccuDock float sections to be used underneath a decked system for rowing purposes will be built to different specifications. Standard AccuDock float section will be 5' x 8' x 5-1/4" height, with a footprint of floatation to surface area at no less than 87%. The high footprint of floatation percentage maximizes necessary stability for the rowing dock applications. Resulting freeboard for rowing specific uses will be no greater (higher) than 6" at dead load.

7-B2. Side Skirt boards on decked rowing docks are designed to match freeboard height. Skirting will drop down to water level height which will prevent any damage to the rowing shells.

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7-B3. The entire Rowing Dock design should allow for an easy reconfiguration into numerous different dock systems for rowing applications to meet exact FISA standards. Including but not limited to: Start Docks, Pod Docks, Official's Platforms, and additional Launch Docks. Reconfiguration will be accomplished by an AccuDock designed quick-disconnect system to allow for easy separation.

7-B4. Decked Rowing Docks will allow for the addition of accessories, including but not limited to: rub rail/bumpstrip, pop-up cleats, solar lighting, reflectors, additional platforms for awards ceremonies, etc.

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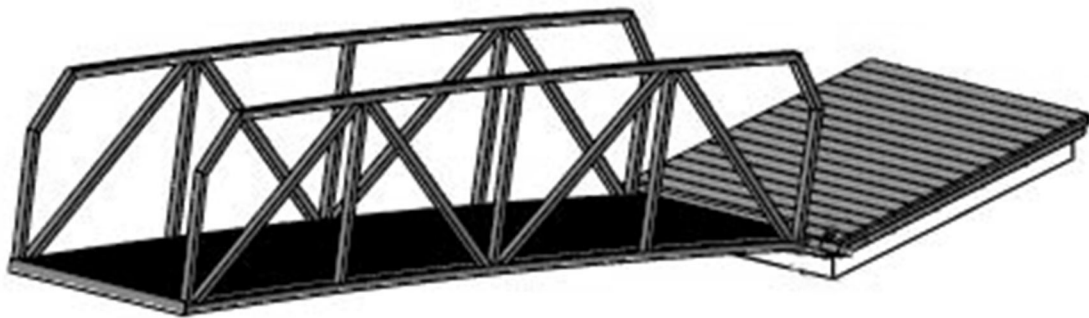


**GANGWAY AND RAMP  
INSTALL INSTRUCTIONS  
PAGE DIRECTORY**

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## INSTALLATION INSTRUCTIONS



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### Gangway to Decked and Non-Decked

# BEFORE INSTALLATION

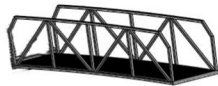





Thank you for your purchase with AccuDock. Our products have been constructed for durability and designed for easy installation. Please take the time to read these instructions carefully before installing your Gangway.

Check your package carefully to ensure you have all parts and hardware listed below. Should you be missing any of the hardware please contact us.

## PARTS LIST

While unpacking, please be sure to not discard any of the parts. Set them aside on a flat surface and ensure all parts are present prior to installation.

**Note:** Installation instructions apply to both the installation of a Gangway and Ramp.

Part	Qty	
Gangway	1	
Hinge	1	
PVC Pipe with Aluminum Pin	1	
1/4" Hex Bolt	1	
1/4" Flat Washer	2	
1/4" Hex Nut	1	

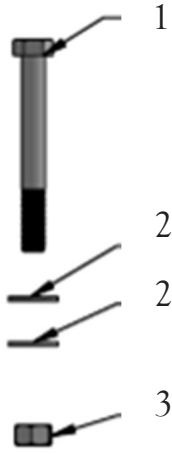
\*Images demonstrate a Gangway being installed to a decked floating dock. These instructions also apply for the installation of a Gangway to a non-decked floating dock.

## TOOLS NEEDED

Cordless Drill with 1/4" Drill Bit

7/16" Wrench (2) or  
Ratchet with Socket

# HARDWARE LIST

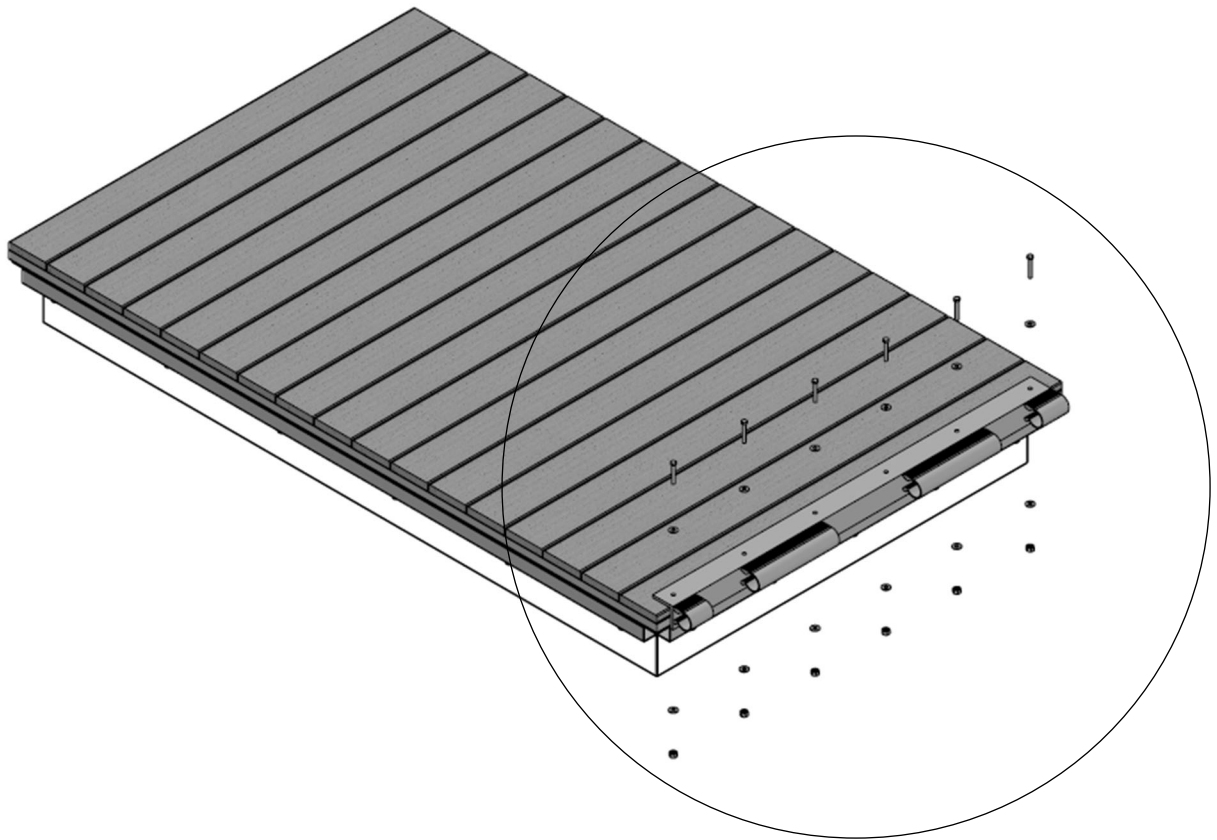


Label	Description
1	1/4" Hex Bolt
2	1/4" Flat Washer
3	1/4" Locknut

# STEP ONE

**Note:** The hinge used for the installation of the Gangway is made up of two halves. One half is pre-welded onto the Gangway and the other half is to be installed to the floating dock. In most instances, the half hinge for the floating dock will arrive pre-installed. If so, please skip to step two.

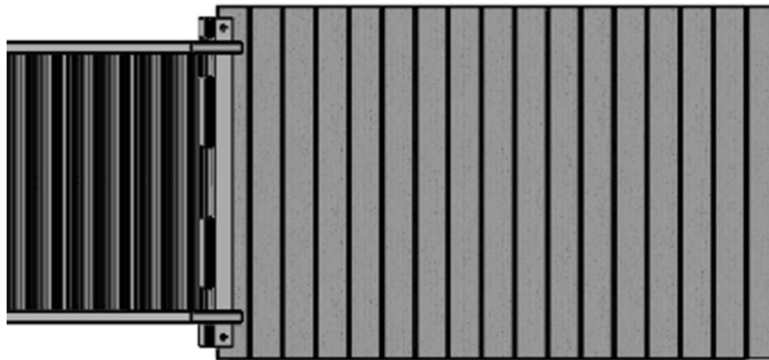
First, align the half hinge onto the edge of the desired location on the floating dock. Attach to the floating dock using appropriate hardware.



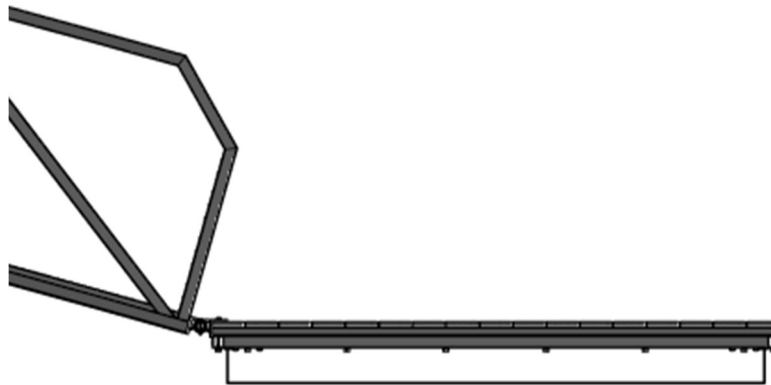
# STEP TWO

Align the half hinge on the floating dock with the other half hinge on the Gangway.  
Please see below.

Top View



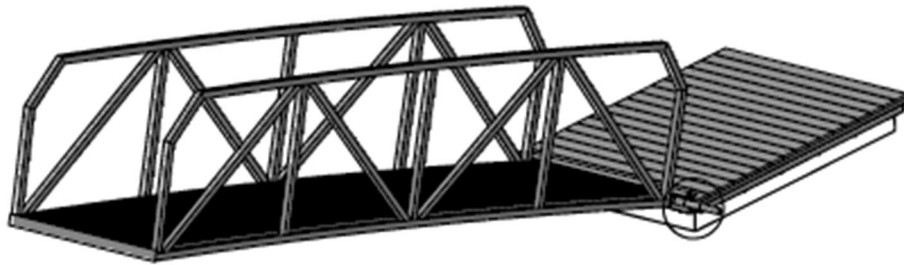
Side View



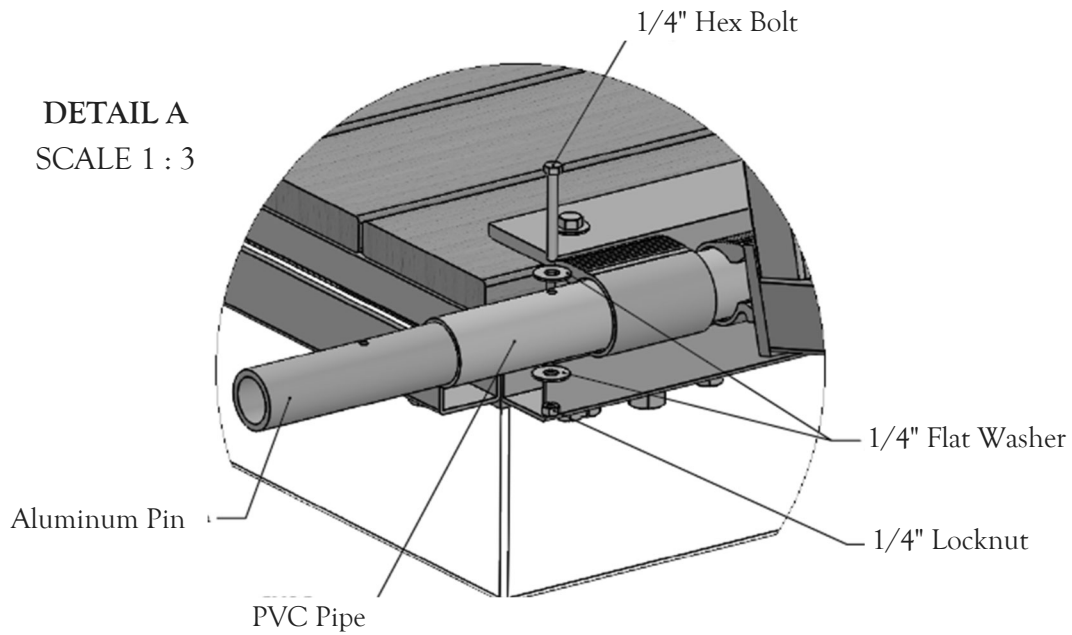
# STEP THREE

Continue by inserting the PVC pipe linearly into the hinge until the end is flush with the end of the half hinge on the floating dock. Repeat this step with the aluminum pin by inserting it into the PVC pipe, all the way through while keeping the bolt holes at the far end aligned.

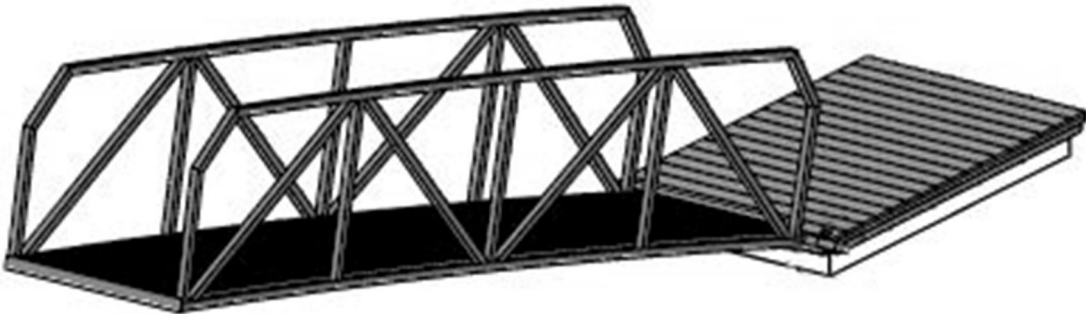
Next, insert the 1/4" hex bolt and flat washer through the top. Insert flat washer, and lock nut from the opposite end (bottom). See Detail A.



A



Lastly, fasten and secure the hardware. Make sure the Gangway is secured to the floating dock.

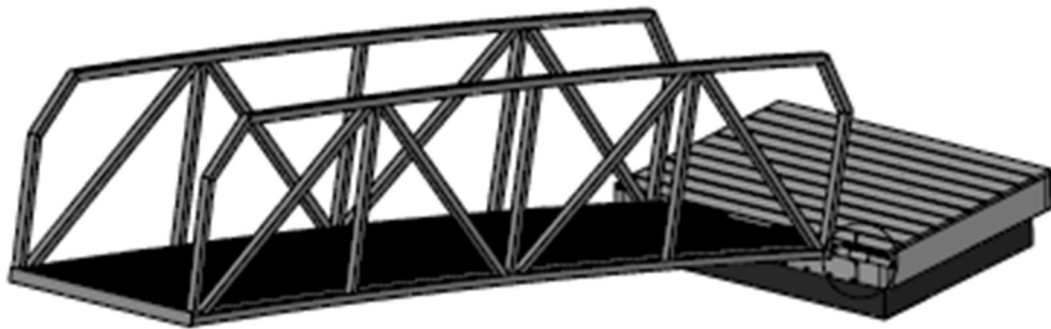




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## INSTALLATION INSTRUCTIONS



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### Gangway to Aluminum Floating Dock

# BEFORE INSTALLATION

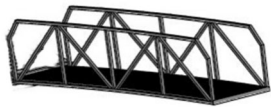





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Check your package carefully to ensure you have all parts and hardware listed below. Should you be missing any of the hardware please contact us.

## PARTS LIST

While unpacking, please be sure to not discard any of the parts. Set them aside on a flat surface and ensure all parts are present prior to installation.

**Note:** Installation instructions apply to both the installation of a Gangway and Ramp.

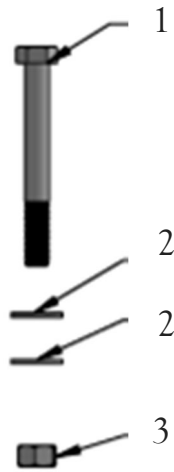
Part	Qty	
Gangway	1	
Hinge	1	
PVC Pipe with Aluminum Pin	1	
1/4" Hex Bolt	1	
1/4" Flat Washer	2	
1/4" Hex Nut	1	

## TOOLS NEEDED

Cordless Drill with 1/4" Drill Bit

7/16" Wrench (2) or  
Ratchet with Socket

# HARDWARE LIST

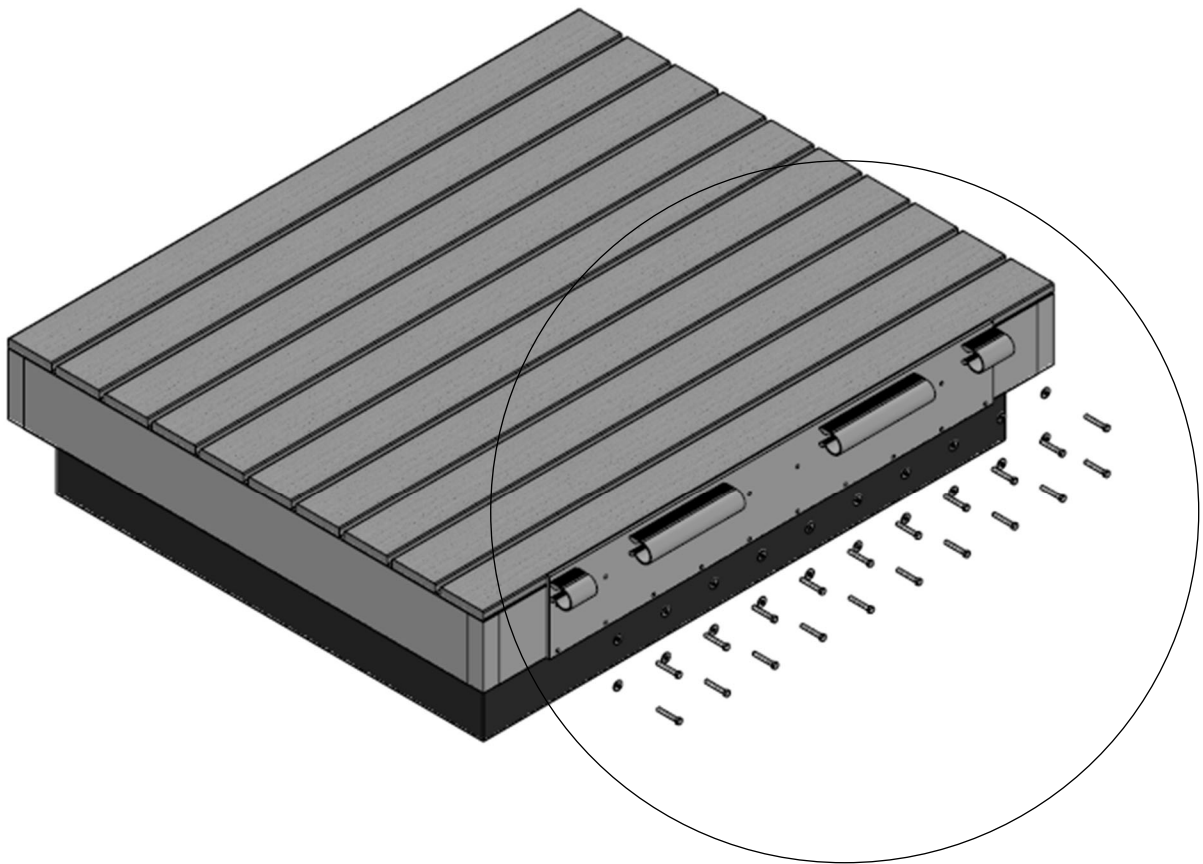


Label	Description
1	1/4" Hex Bolt
2	1/4" Flat Washer
3	1/4" Locknut

# STEP ONE

**Note:** The hinge used for the installation of the Gangway is made up of two halves. One half is pre-welded onto the Gangway and the other half is to be installed to the aluminum floating dock. In most instances, the half hinge for the aluminum floating dock will arrive pre-installed. If so, please skip to step two.

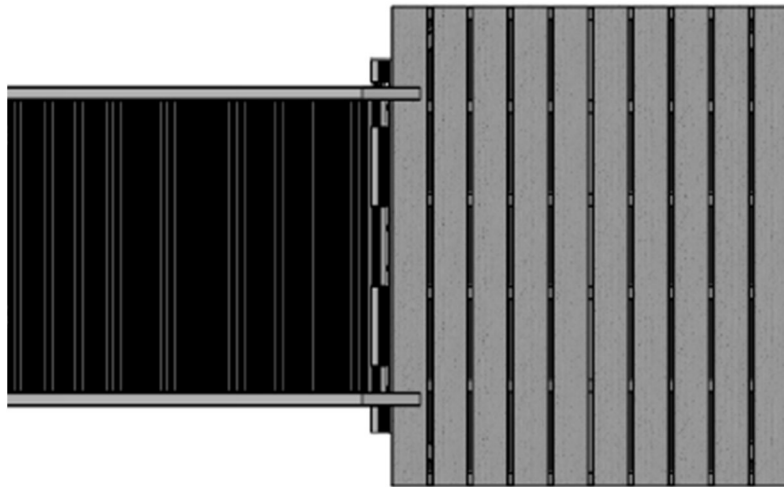
First, align the half hinge onto the edge of the desired location on the aluminum floating dock. Attach to the floating dock using appropriate hardware.



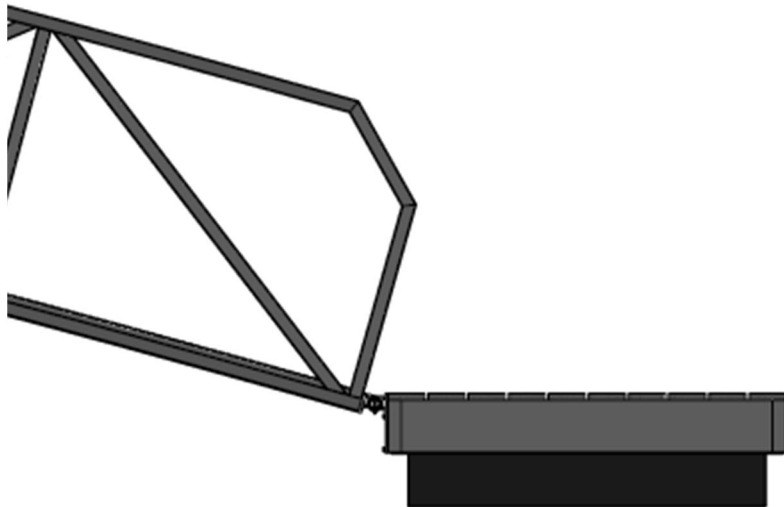
# STEP TWO

Align the half hinge on the aluminum floating dock with the other half hinge that is pre-installed on the Gangway. Please see below.

Top View



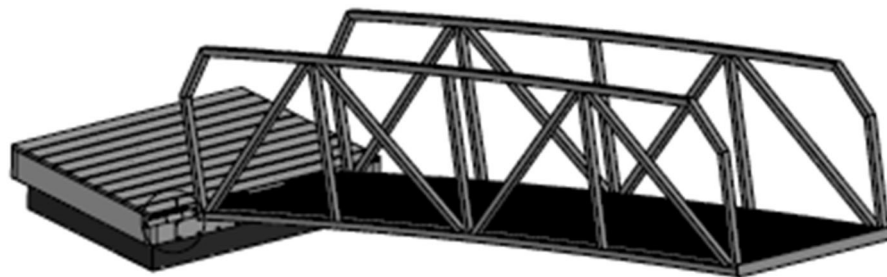
Side View



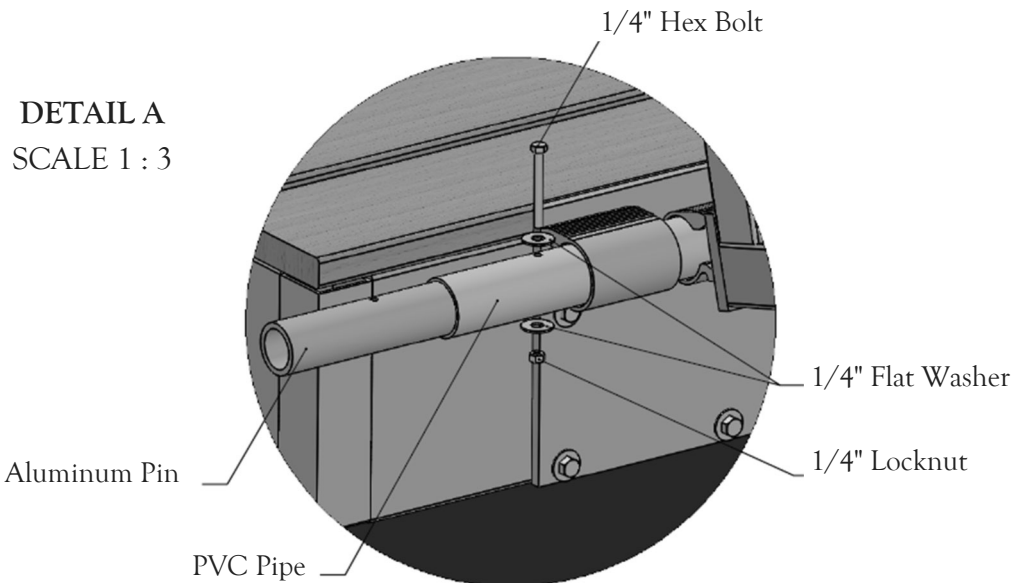
# STEP THREE

Continue by inserting the PVC pipe linearly into the hinge until the end is flush with the end of the half hinge on the aluminum floating dock. Repeat this step with the aluminum pin by inserting into the PVC pipe, all the way through while keeping the bolt holes at the far end aligned .

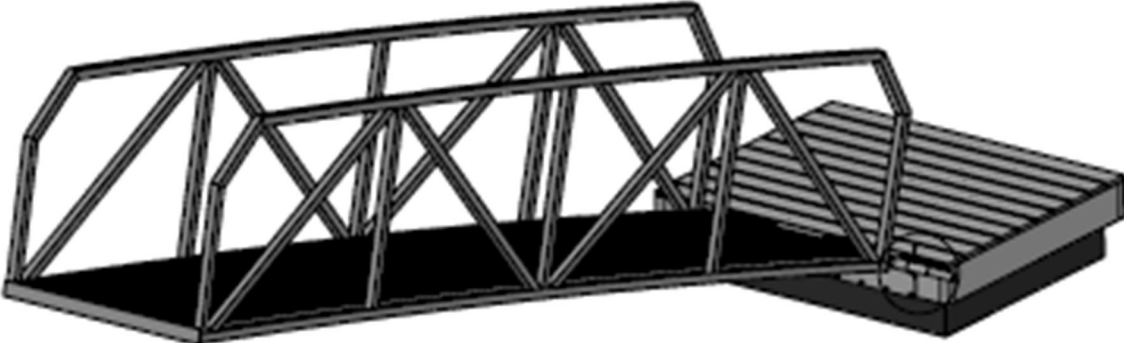
Next, insert the 1/4" hex bolt and flat washer through the top. Insert flat washer, and lock nut from the opposite end (bottom). See Detail A.



A



Lastly, fasten and secure the hardware. Make sure the Gangway is secured to the Aluminum Floating Dock.

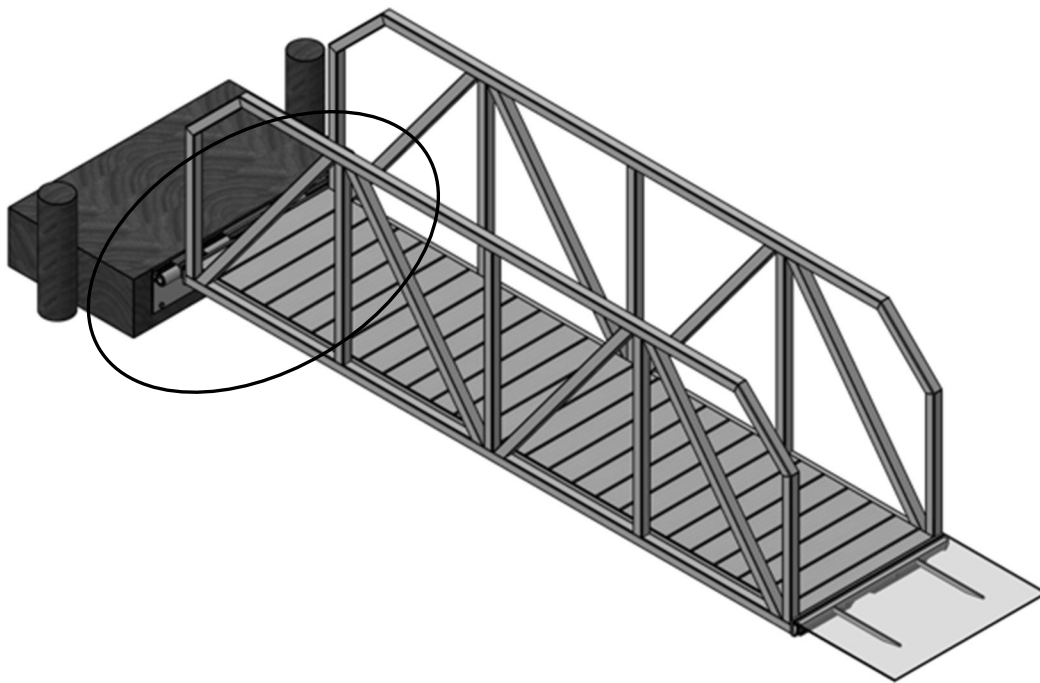




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## INSTALLATION INSTRUCTIONS



---

### Gangway Hinge to Fixed Dock

# BEFORE INSTALLATION







Thank you for your purchase with AccuDock. Our products have been constructed for durability and designed for easy installation. Please take the time to read these instructions carefully before installing your Gangway Hinge.

Check your package carefully to ensure you have all parts and hardware listed below. Should you be missing any of the hardware please contact us.

## PARTS LIST

While unpacking, please be sure to not discard any of the parts. Set them aside on a flat surface and ensure all parts are present prior to installation.

**Note:** Installation instructions apply to both the installation of a Gangway and Ramp. Gangway Hinge may arrive connected, if so release the pin in order to install.

Part	Qty	
Gangway Hinge	1	
PVC Pipe with Aluminum Pin	1	
1/4" Hex Bolt	1	
1/4" Flat Washer	2	
1/4" Hex Nut	1	
1/2" Bolting Hardware (Not Provided by AccuDock)	-	

\* Appropriate bolting hardware is based on customer's surface such as wedge anchors or lag bolts can be used for installation.

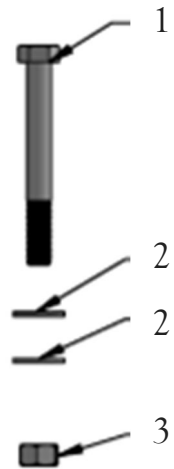
## TOOLS NEEDED

Cordless Drill with 1/4" and 1/2"  
Drill Bit

Level

7/16" Wrench (2) or  
Ratchet with Socket

# HARDWARE LIST

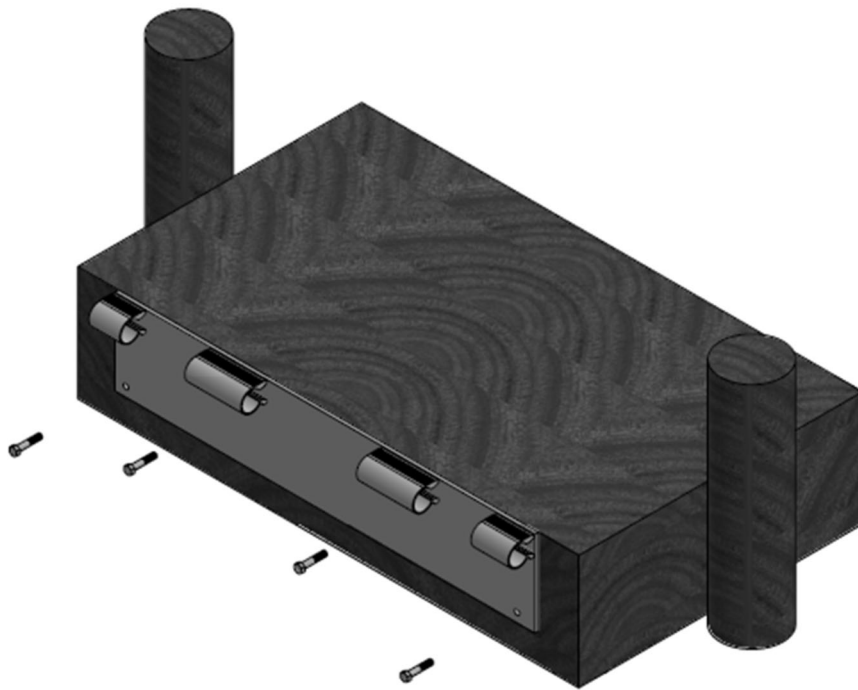


Label	Description
1	1/4" Hex Bolt
2	1/4" Flat Washer
3	1/4" Locknut

# STEP ONE

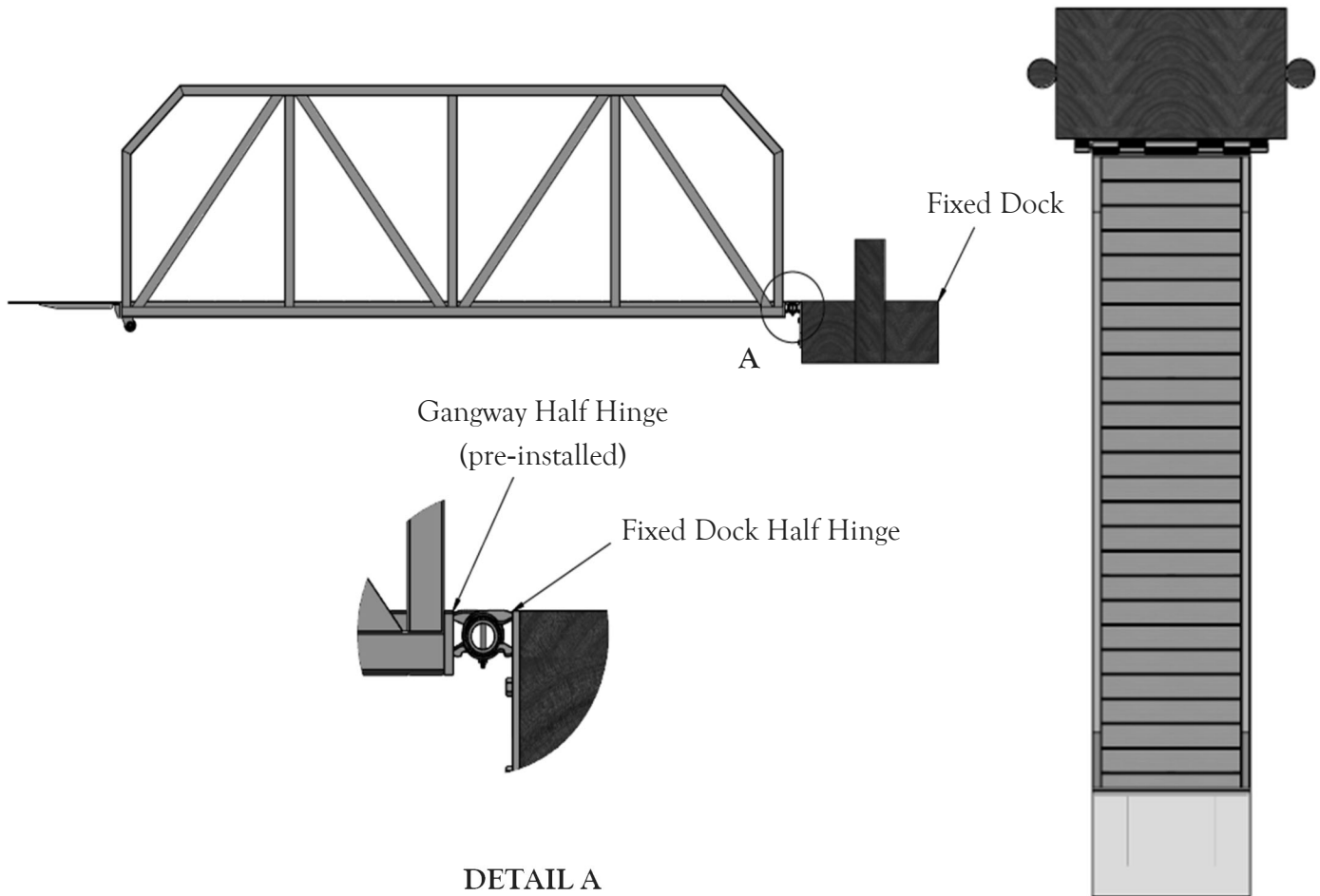
First, align the half hinge with the flat surface onto the desired location on the fixed dock. Attach the half hinge by using appropriate hardware.

**Note:** The quantity of hardware used to attach the Gangway Hinge half varies per project, every project is unique and the hardware placement is based on the customers' judgment. A typical suggestion is to secure the half hinge by following the bolt pattern below. Bolting hardware is not provided by AccuDock.



# STEP TWO

Next, align the half hinge that has been installed to the fixed dock with the pre-installed half hinge located at the end of the Gangway. See Detail A.

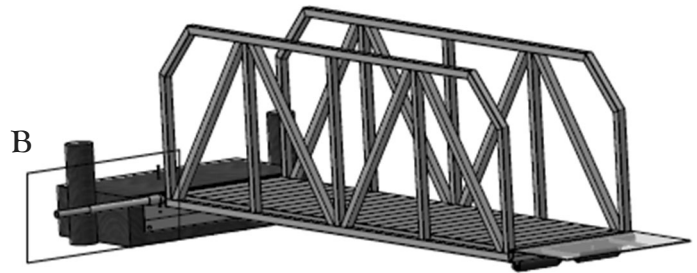


DETAIL A  
SCALE 1 : 5

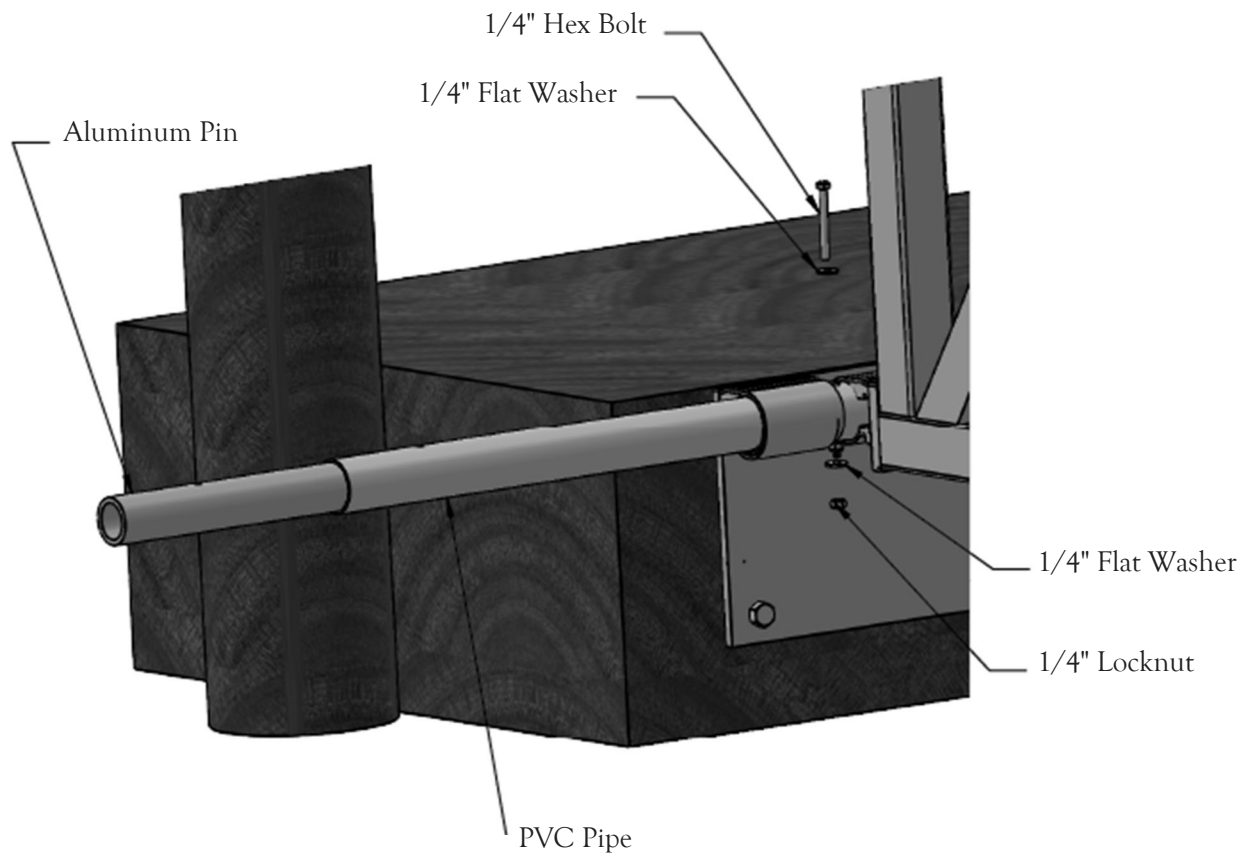
# STEP THREE

Continue by inserting the PVC pipe linearly into the hinge until the end is flush with the end of the half hinge that is attached to the fixed dock. Repeat this step with the aluminum pin by inserting it into the PVC pipe, all the way through while keeping the bolt holes at the far end aligned.

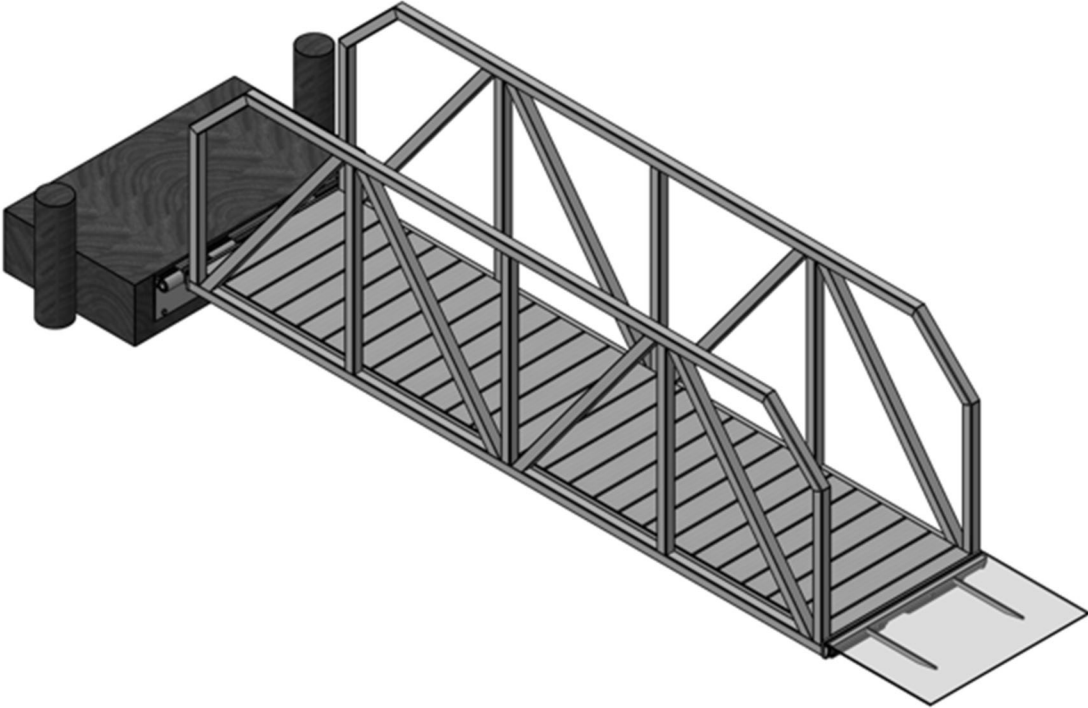
Next, insert the 1/4" hex bolt and flat washer through the top of the pipes. Insert flat washer, and lock nut from the opposite end (bottom). See Detail B.



DETAIL B  
SCALE 1 : 5



Lastly, fasten and secure the hardware. Make sure the Gangway Hinge is secured.

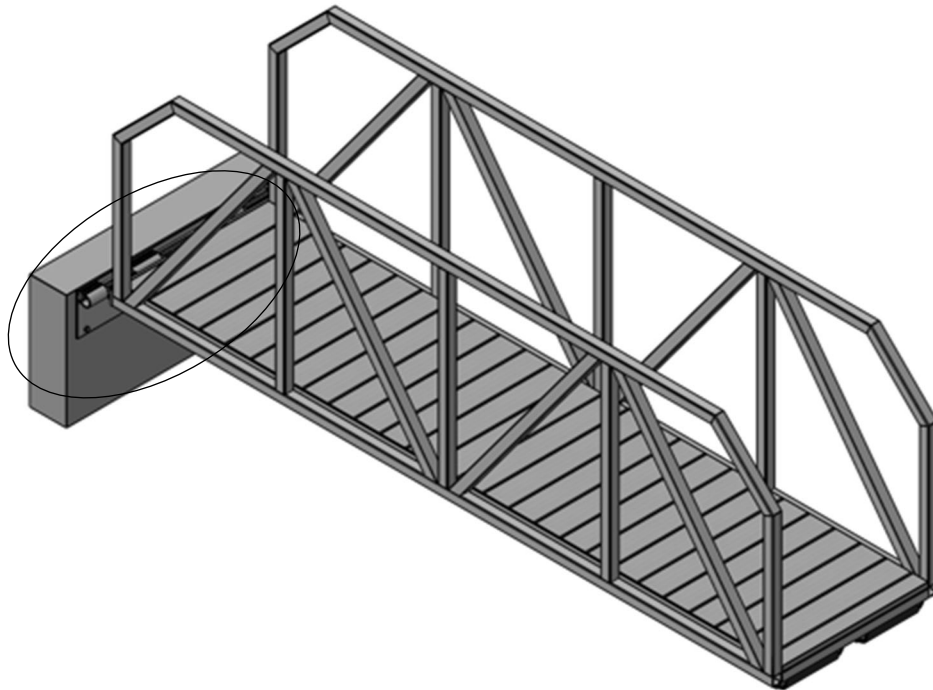




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## INSTALLATION INSTRUCTIONS



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### Gangway Hinge to Seawall or Concrete Abutment

# BEFORE INSTALLATION







Thank you for your purchase with AccuDock. Our products have been constructed for durability and designed for easy installation. Please take the time to read these instructions carefully before installing your Gangway Hinge.

Check your package carefully to ensure you have all parts and hardware listed below. Should you be missing any of the hardware please contact us.

## PARTS LIST

While unpacking, please be sure to not discard any of the parts. Set them aside on a flat surface and ensure all parts are present prior to installation.

**Note:** Installation instructions apply to both the installation of a Gangway and Ramp. Gangway Hinge may arrive connected, if so Release the pin in order to install.

Part	Qty	
Gangway Hinge	1	
PVC Pipe with Aluminum Pin	1	
1/4" Hex Bolt	1	
1/4" Flat Washer	2	
1/4" Hex Nut	1	
1/2" Bolting Hardware (Not Provided by AccuDock)	-	

\* Appropriate bolting hardware is based on customer's surface such as wedge anchors or lag bolts can be used for installation.

## TOOLS NEEDED

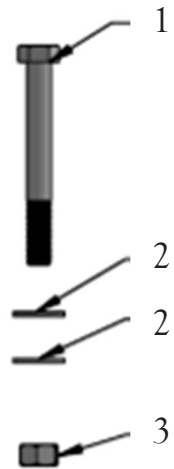
Cordless Drill with 1/4" Drill Bit

Level

Cordless Drill with 1/2" Masonry Drill Bit

7/16" Wrench (2) or Ratchet with Socket

# HARDWARE LIST

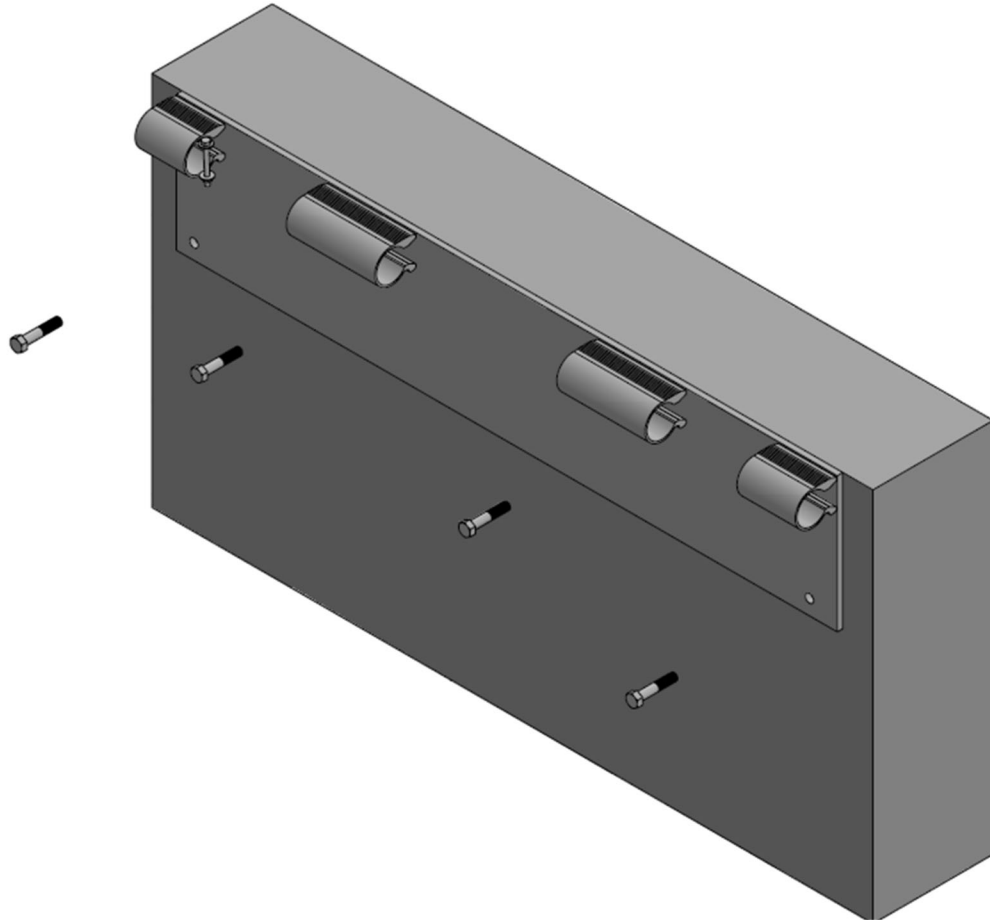


Label	Description
1	1/4" Hex Bolt
2	1/4" Flat Washer
3	1/4" Locknut

# STEP ONE

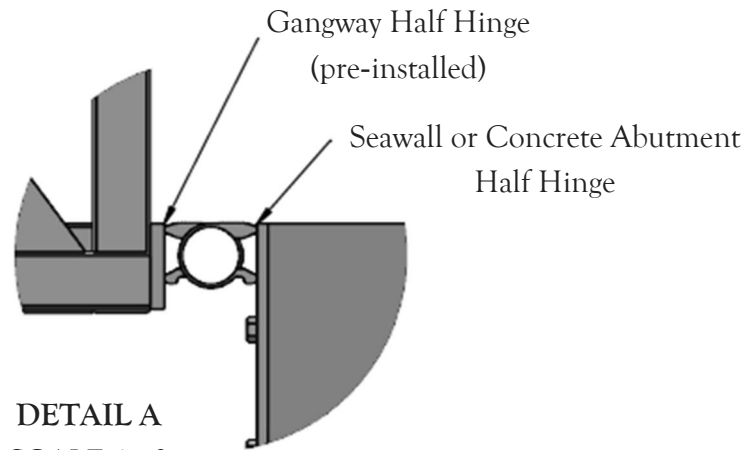
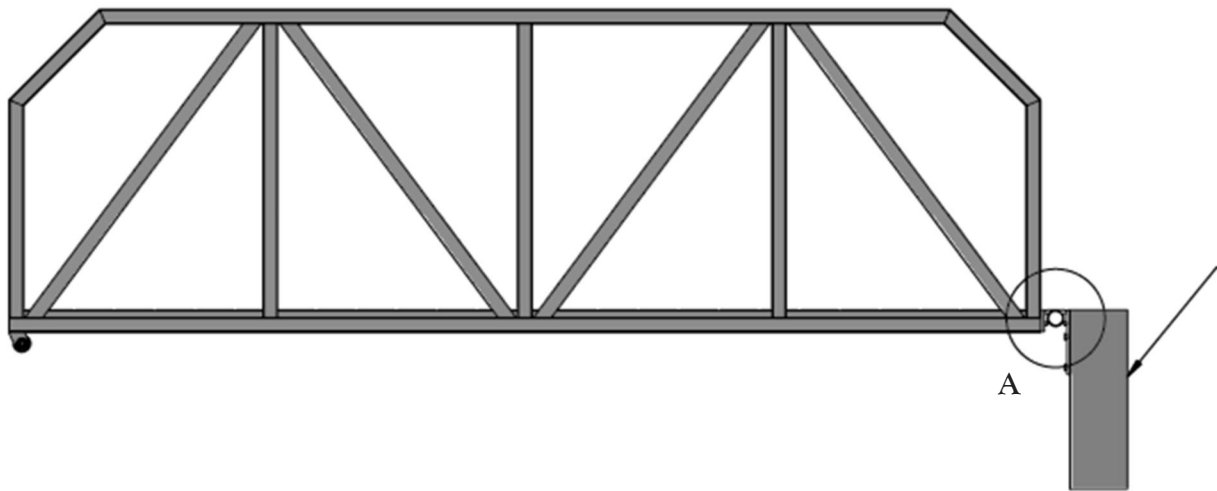
First, align the half hinge with the flat surface onto the desired location on the seawall or concrete abutment. Attach the half hinge by using appropriate hardware, this is based on the surface where the hinge will attach.

**Note:** The quantity of hardware used to attach the Gangway Hinge half varies per project, every project is unique and the hardware placement is based on the customers' judgment. A typical suggestion is to secure the half hinge by following the bolt pattern below. Bolting hardware is not provided by AccuDock.



# STEP TWO

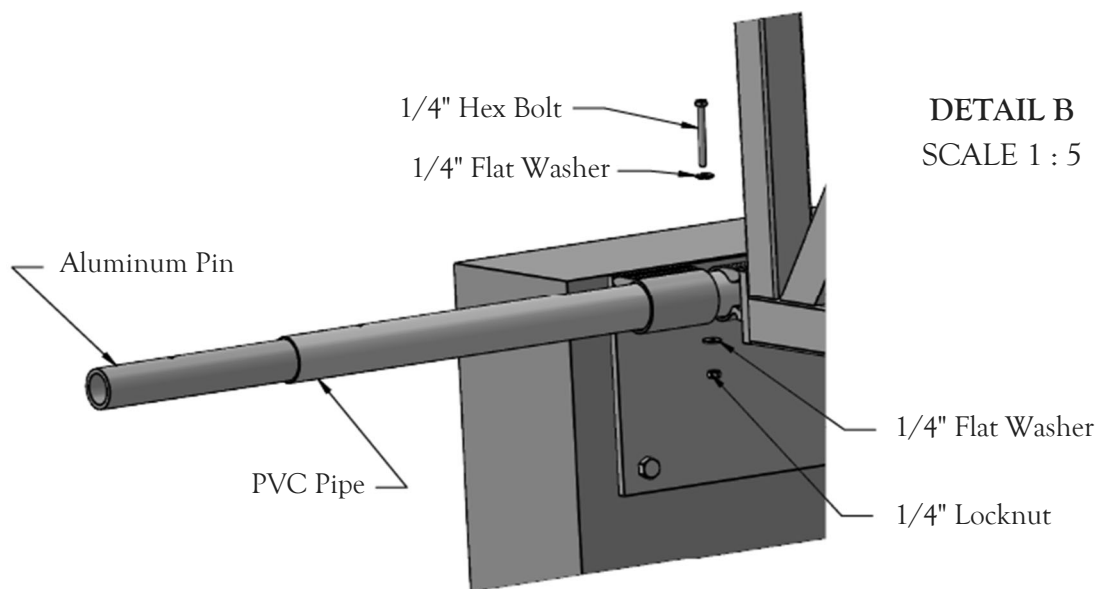
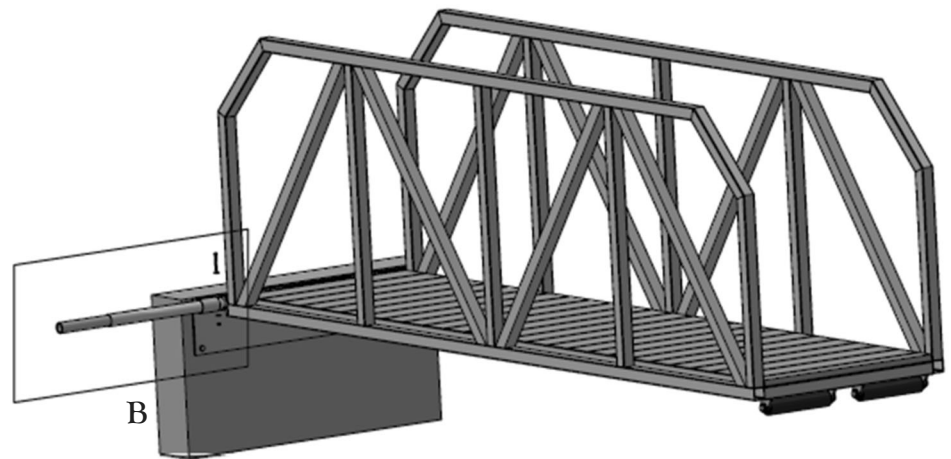
Next, align the half hinge that has been installed to the seawall or concrete abutment with the pre-installed half hinge located on the end of the Gangway. See Detail A.



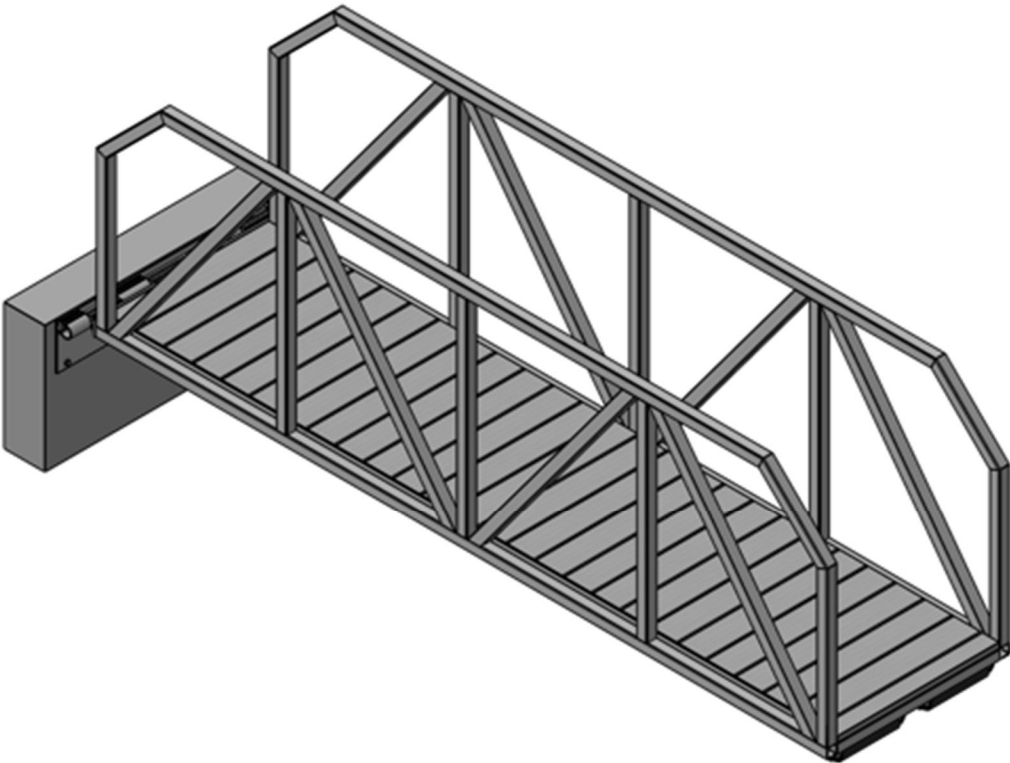
# STEP THREE

Continue by inserting the PVC pipe linearly into the hinge until the end is flush with the end of the half hinge that is attached to the seawall or concrete abutment. Repeat this step with the aluminum pin by inserting it into the PVC pipe, all the way through while keeping the bolt holes at the far end aligned.

Next, insert the 1/4" hex bolt and flat washer through the top of the pipes. Insert flat washer, and lock nut from the opposite end (bottom). See Detail B.



Lastly, fasten and secure the hardware. Make sure the Gangway Hinge is secured.

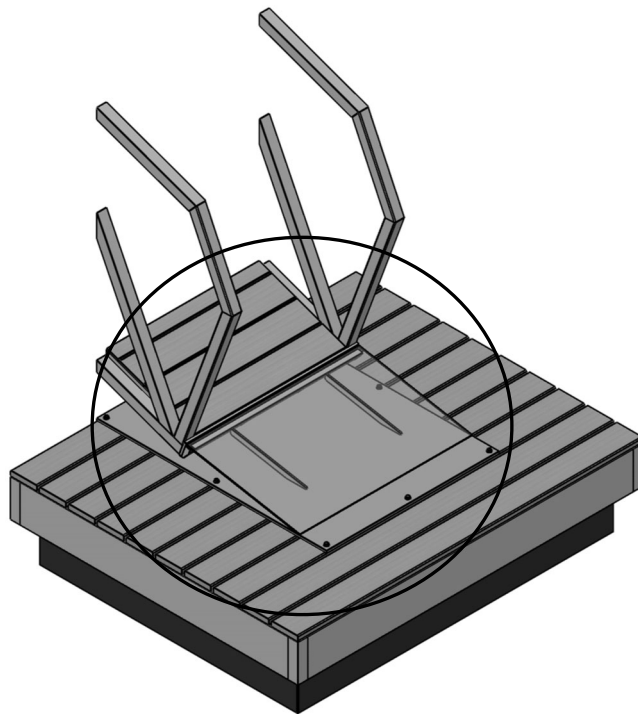




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## INSTALLATION INSTRUCTIONS



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Roller Pad to Decked  
and Aluminum Floating Dock



# BEFORE INSTALLATION

Thank you for your purchase with AccuDock. Our products have been constructed for durability and designed for easy installation. Please take the time to read these instructions carefully before installing your accessory.

Check your package carefully to ensure you have all parts and hardware listed below. Should you be missing any of the hardware please contact us.

## PARTS LIST

While unpacking, please be sure to not discard any of the parts. Set them aside on a flat surface and ensure all parts are present prior to installation. The quantity of hardware varies per project, every project is unique and quantities are based on customers' judgment.

Part	Qty	
Roller Pad (GAN-RP)	1	
Deck Screw	-	

\* Images reference Roller Pad being installed to an Aluminum Floating Dock. The same installation instructions apply to a Decked Floating Dock.

## TOOLS NEEDED

Cordless Drill

# HARDWARE LIST

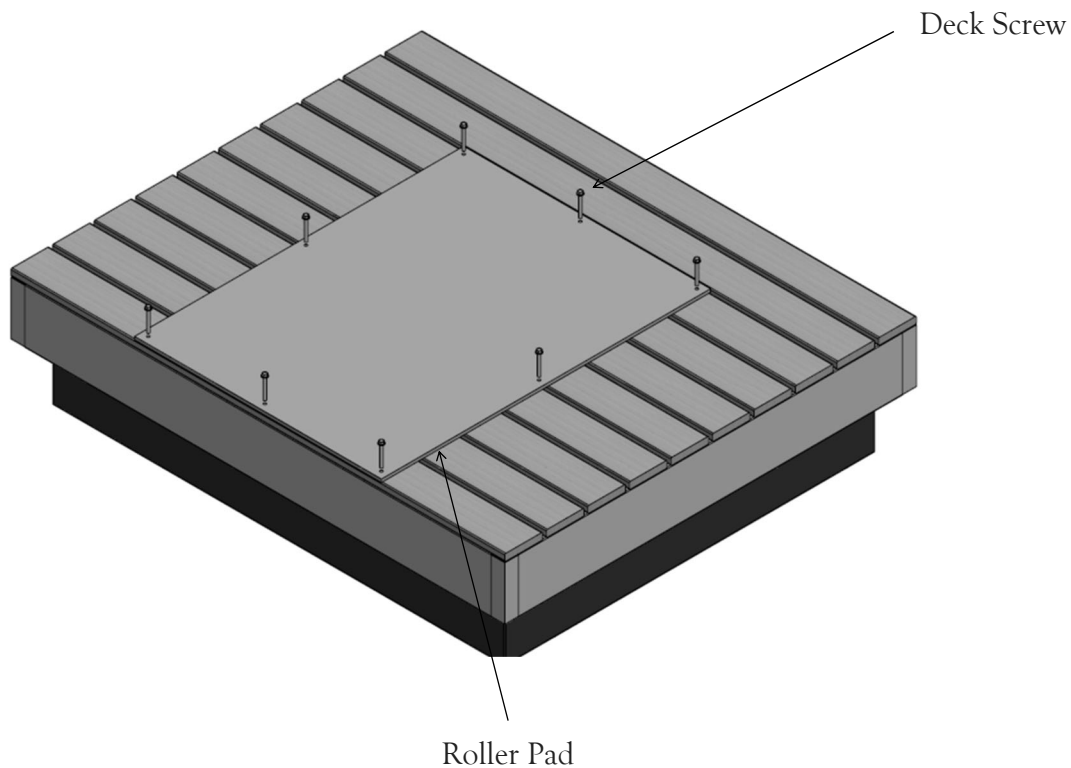


Label	Description
-	Deck Screw

# STEP ONE

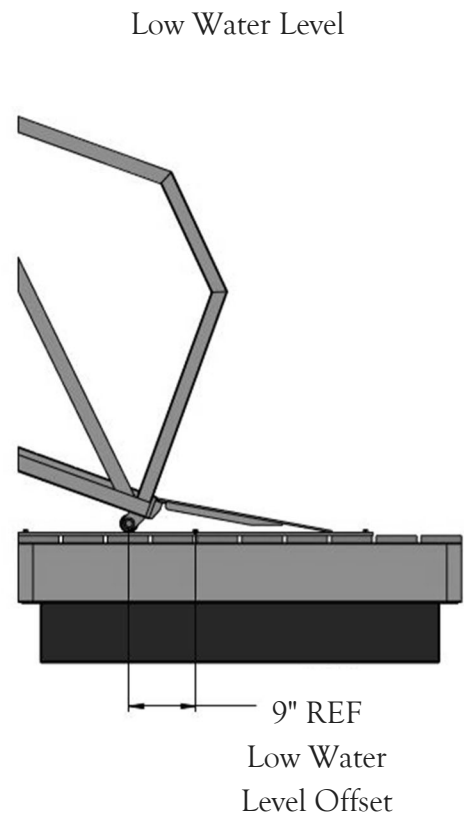
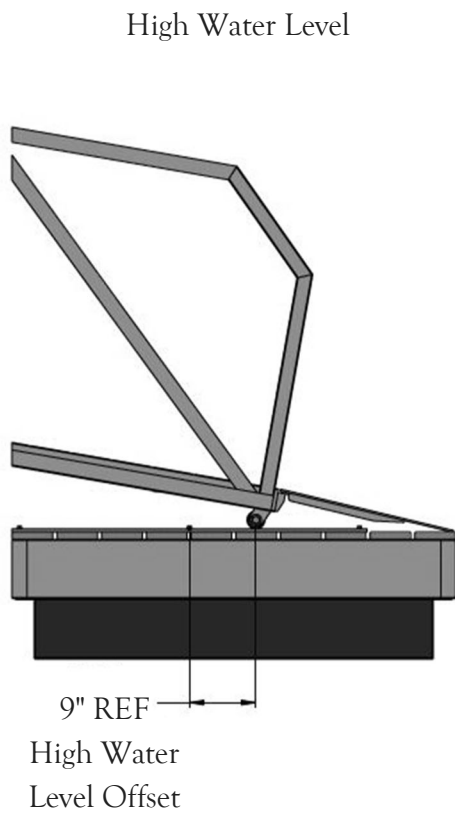
Place the Roller Pad at the desired location. Once the location has been determined grab your drill and drill through the Roller Pad and PVC decking using the deck screws. Make sure when drilling that the Roller Pad is secured to the PVC decking.

**Note:** The quantity of the deck screws used to attach The Roller Pad varies per project, every project is unique and the hardware placement is based on the customers' judgment. A typical suggestion is to secure the corners and center of the Roller Pad.



# STEP TWO

**Note:** Gangway should roll evenly along the center of the Roller Pad. The offset from the midpoint and at low and high tide it should be equal but opposite.

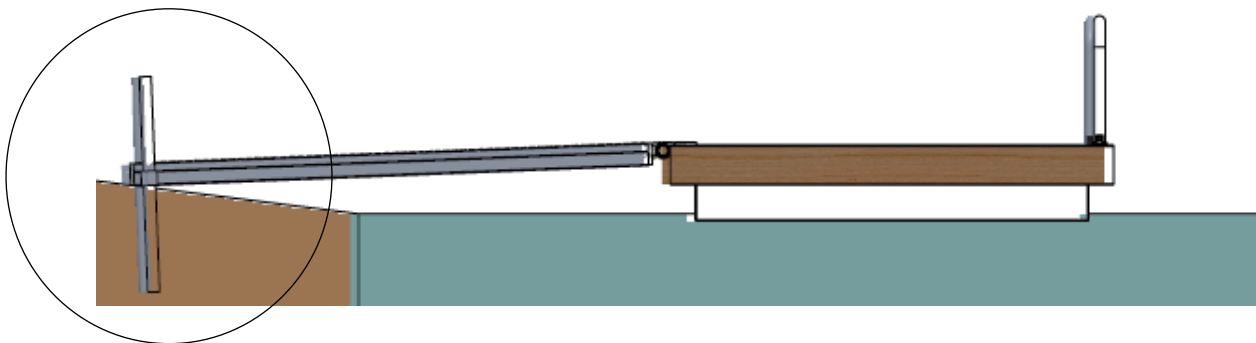




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## INSTALLATION INSTRUCTIONS



### Spikes for Land-Side Attachment


# BEFORE INSTALLATION

Thank you for your purchase with AccuDock. Our products have been constructed for durability and designed for easy installation. Please take the time to read these instructions carefully before installing your Attachment.

## PARTS LIST

While unpacking, please be sure to not discard any of the parts.

**Note:** No bolt hardware is needed for the installation of Spikes for Land-Side Attachment.

Part	Qty	
Spikes for Land-Side Attachment (GAN-SPI)	2	

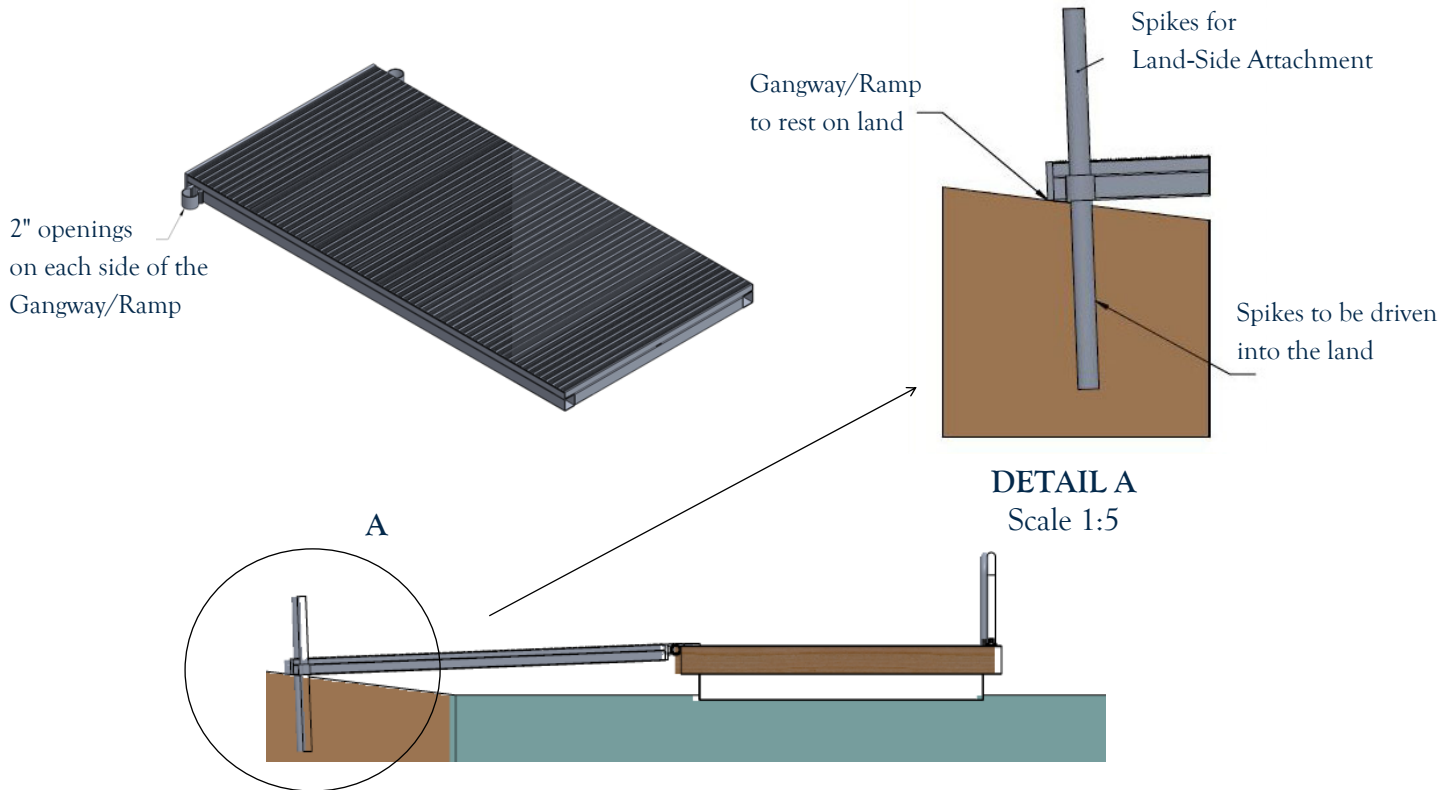
\* Install Instructions illustrate attachment of Spikes for Land-Side to a Ramp. Same install instructions apply for the attachment of a Gangway.

## TOOLS NEEDED

Mallet

Locate the two 2" openings on each side of the gangway/ramp. The Spikes for Land-side Attachment are to be driven into the land through the openings in order to keep the AccuDock Floating Dock in place. See Detail A.

**Note:** No bolt hardware is needed for installation.

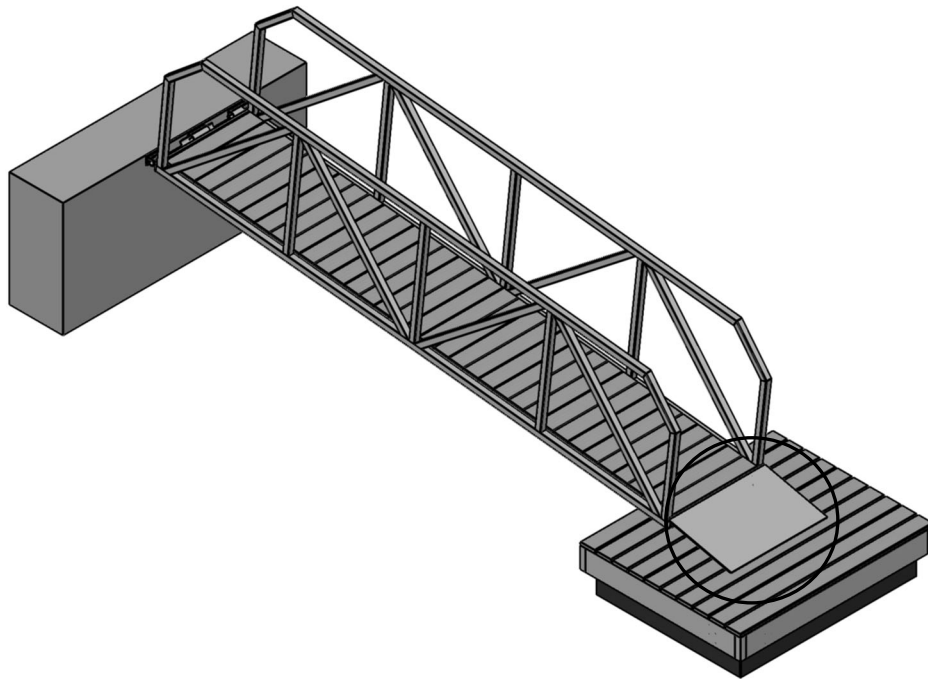




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## INSTALLATION INSTRUCTIONS



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### Transition Plate

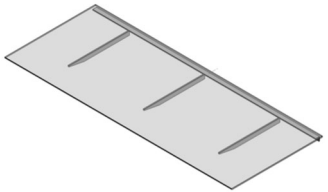
# BEFORE INSTALLATION

Thank you for your purchase with AccuDock. Our products have been constructed for durability and designed for easy installation. Please take the time to read these instructions carefully before installing your Transition Plate.

## PARTS LIST

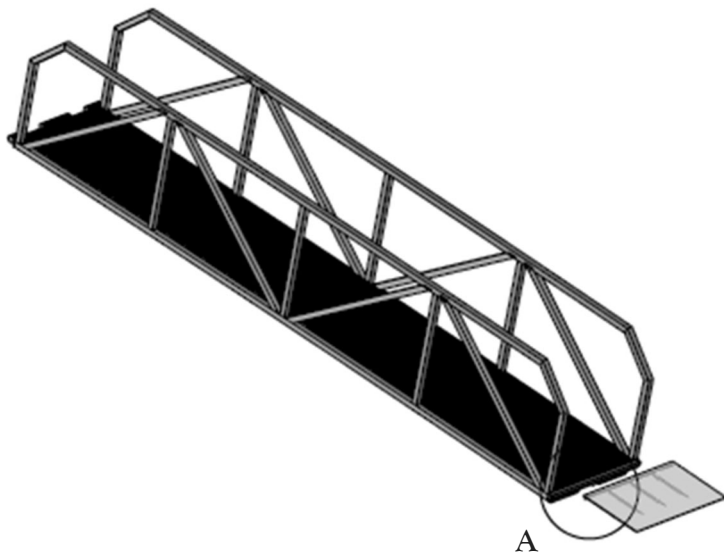
While unpacking, please be sure to not discard any of the parts.

**Note:** No bolt hardware is needed for the installation of a Transition Plate.

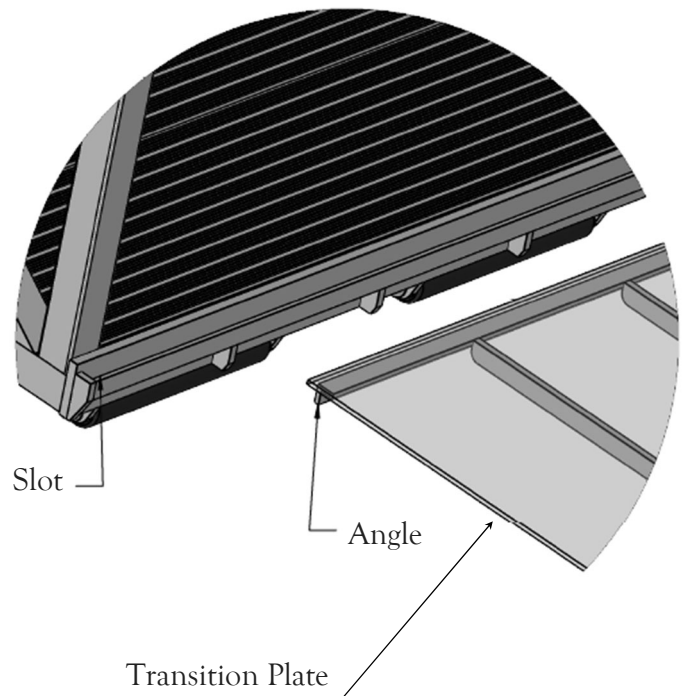
Part	Qty	
Transition Plate (GAN-TP3, GAN-TP4, GAN-TP5, GAN-TP6, & GAN-TP8)	1	

Align the angle on the Transition Plate with the slot welded onto the gangway. Continue by lowering the plate into the slot and let it rest on top of the Roller Pad. See Detail A.

**Note:** No bolt hardware is needed for installation. The Transition Plate sits loosely in the slot.



DETAIL A  
Scale 1:5





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# Gangway and Ramp Specifications

## 1. Gangways and Ramps

1-A. AccuDock aluminum gangways and ramps are built with 6005-T5 marine grade aluminum to customer's desired length and width. All AccuDock gangways and ramps are built to withstand a 50 pounds per square foot live load rating. Typically, gangway and ramp construction will be as follows:

1-A1. **Core Fabrication** - Will be done with either 2" x .125" aluminum square ribbed tubing or 3" x .125" aluminum square ribbed tubing depending on the overall dimensions of the gangway or ramp. Gangway sides are built as a truss, where the center stanchions are typically 5' center to center (or as close to 5' as possible depending on the length of the gangway), and they are built into the structure of the design and take a pre-stressed arch shape for additional strength. Underneath support trusses are included as needed, where the stanchions are composed of the same aluminum square tube as the core structure and the stringer is either 2" x 2" x .25" architectural angle or 3" x 3" x .375" architectural angle depending on the size of the gangway or ramp. Additional 45° square tube gussets are built in on select gangway and ramp ends where extra structural stability is needed.

1-A2. **Standard Decking** - Will be 1" x 12" 6005-T5 aluminum ribbed and knurled non-skid aggressive surface, with decking supports at no more than 24" on centers. On each end of the deck boards, the boards will be supported by a 1" x 1" x .125" architectural angle which spans the distance of the gangway or ramp. All decking members will be welded to these pieces of angle, and thus will be welded to the structure of the gangway. No deck screws will be used to attach standard aluminum decking. On gangways, the distance from the standing surface of the decking to the top of the side truss will be no less than 42".

1-A3. **Additional Decking** - Several options are available to match desired decking on float surface. Additional decking options include, but are not limited to: Wolf PVC deck boards or Plastic Thru-flow style decking. The Wolf PVC deck boards will be supported on each end of the board with 2" x 1" x .125" architectural angle, where the 2" side will be oriented underneath the deck boards. The boards will be screwed down through the angle to secure them to the gangway. Additionally, the Wolf PVC deck boards will be supported by stringers at no more than 16" center to center.

1-B. AccuDock gangway and ramp attachment points will vary per customer's location as well as dock attachment desires/availability. Typical gangway and ramp attachments include, but are not limited to:

1-B1. **Landside Hinge Attachment** - A piano hinge design made up of various lengths of dock connector welded to the face of a piece of flat bar and with a 1-1/4" SCH 80 aluminum pipe hinge pin with a PVC Pipe bushing. Hinges have no more than 1/8" gap between knuckles (dock connector) horizontally, and to have smooth transition as to not create a trip hazard. Landside of hinge material TBD based upon each specific requirement (Typically 6" x .375" flat bar or 8" x .375" flat bar). The gangway or ramp side of the hinge material is typically 3" x .5" flat bar or 4" x .5" flat bar depending on the size of the gangway or ramp.

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1-B2. **Landside Spike Attachment** – Vertical hoops which are typically small lengths of dock connector that are welded to the side of the gangway or ramp and are to accept 1-1/2” pipe to be driven into the ground.

1-B3. **Dockside Hinge Attachment** – A piano hinge design made up of various lengths of dock connector welded to the face of a piece of flat bar and with a 1-1/4” SCH 80 aluminum pipe hinge pin with a PVC pipe bushing. Hinges to have no more than 1/8” gap between knuckles (dock connector) horizontally, and to have smooth transition as to not create a trip hazard. Dockside hinge material will typically be either 3” x 3” x .25” structural angle or 9” x .375” flat bar depending on the specific type of AccuDock system that the gangway or ramp is being attached. The gangway or ramp side of the hinge material is typically 3” x .5” flat bar or 4” x .5” flat bar depending on the size of the gangway or ramp.

1-B4. **Dockside Roller Attachment** – These roller assemblies are attached to the underside of the gangway or ramp and land on the floating dock to allow the dock to rise and fall with fluctuating water levels. The roller assembly is composed of two tabs that are composed of 2” x .375” flat bar that are welded to the underside of the gangway or ramp. Also, there is a 5/8” stainless steel round rod that is used as the axel going through the roller and the flat bar tabs. The roller is a 12” long by 2-3/8” diameter polyurethane round tube manufactured by Stoltz. The number of roller assemblies attached to the gangway or ramp depends on its width.

1-B5. **Transition Plate** – Transition assemblies are composed of two parts: a mounting plate and a transition plate. The mounting plate is welded to the end of the gangway or ramp and is composed of either 3” x .5” flat bar or 4” x .5” flat bar depending on the size of the gangway or ramp, and it has a 1” x 1” x .25” architectural angle that is welded to the face to create a lip for the transition plate to rest. The transition plate is composed of a sheet of 1/4” diamond plate (dimensions are custom to the customer’s needs), with a piece of 1” x 1” x .25” architectural angle that is welded to the bottom of the diamond plate, therefore the angle can sit inside the angle of the mounting plate.

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