

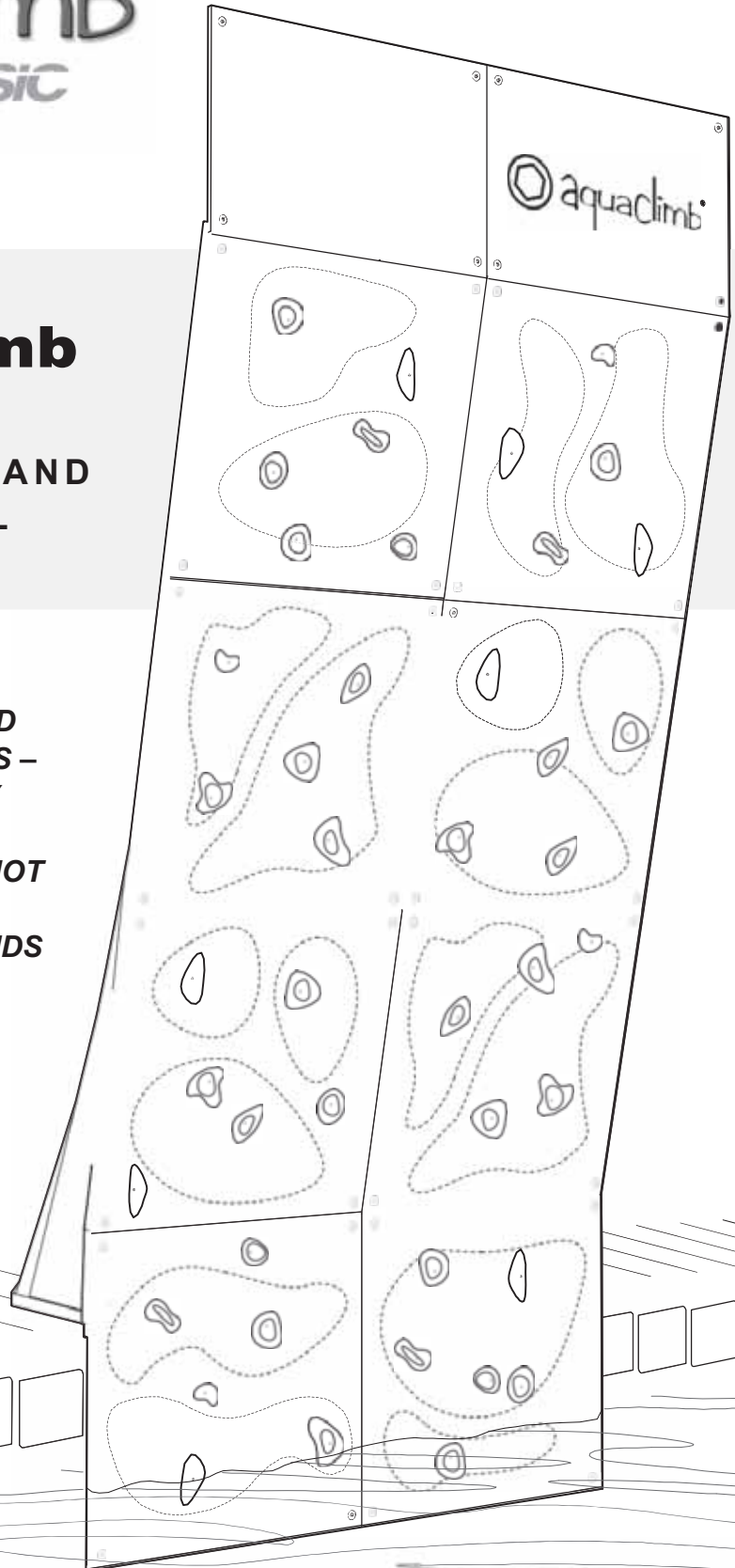


# AC-C AquaClimb Classic

INSTALLER'S GUIDE AND  
OWNER'S MANUAL

**IMPORTANT: ASSEMBLY AND  
INSTALLATION INSTRUCTIONS –  
PLEASE READ CAREFULLY**

**PROPER INSTALLATION CANNOT  
BE OVERSTRESSED AS  
IMPROPER INSTALLATION VOIDS  
AQUACLIMB'S WARRANTY**



**Packing List for AquaClimb 3H**

Item Code	Description	Qty	Count	Checked
Sep Base	Separate Base - 304 SS	1		
Top Frame	Pre-Assembled Top Frame - 304 SS	1		
	AquaClimb Panels	1		
	AquaClimb Holds	5		
	Clear Panel	1		
Bottom Frame	Pre-Assembled Bottom Frame - 304 SS	1		
	AquaClimb Panels	2		
	AquaClimb Holds	10		
Linkage	Pre-Assembled Connection Parts for Top & Bottom Frames	1		
	6" Stabilizer Arms	2		
	3/8" x 36" Long Stainless Steel Threaded Rod	1		
	3/8" Stainless Steel Nyloc Nuts	2		
Asy Kit 3x1	Assembly Kit 3x1 - 304 SS	1		
	3H Curved Diagonals	2		
Safety Kit 3H	AquaClimb Safety Kit	1		
	AquaClimb Safety Sign	1		

**~~Optional Extra~~**

<del>AC-C-COV-3</del>	<del>AquaClimb Rear Cover System</del>	1		
	<del>3H Rear Cover (per Frame)</del>	1		
	<del>Flex-a-Rail 36" Long White (per AquaClimb)</del>	4		
	<del>Flex-a-Rail 6" Long White (per AquaClimb)</del>	2		
	<del>Heavy Duty 10" Long Zip Ties Black (per Frame)</del>	12		

**Packing List for AquaClimb 4H**

Item Code	Description	Qty	Count	Checked
Sep Base	Separate Base - 304 SS	1		
Top Frame	Pre-Assembled Top Frame - 304 SS	1		
	AquaClimb Panels	1		
	AquaClimb Holds	5		
	Clear Panel	1		
Middle Frame	Pre-Assembled Middle Frame - 304 SS	1		
	AquaClimb Panels	1		
	AquaClimb Holds	5		
Bottom Frame	Pre-Assembled Bottom Frame - 304 SS	1		
	AquaClimb Panels	2		
	AquaClimb Holds	10		
Linkage	Pre-assembled connection parts for Top, Middle and Bottom Frames	1		
	3-1/2" Upper Stabilizer Arms	2		
	12" Lower Stabilizer Arms	2		
	3/8" x 36" Long Stainless Steel Threaded Rod	2		
	3/8" Stainless Steel Nyloc Nuts	4		
Asy Kit 4x1	Assembly Kit 4x1 - 304 SS	1		
	4H Curved Diagonals	2		
Safety Kit	AquaClimb Safety Kit	1		
	AquaClimb Safety Sign	1		

~~**Optional Extra**~~

<del>AG-C-COV-4</del>	<del>AquaClimb Rear Cover System</del>	1		
	<del>4H Rear Cover (per Frame)</del>	1		
	<del>Flex-a-Rail 36" Long White (per AquaClimb)</del>	6		
	<del>Flex-a-Rail 6" Long White (per AquaClimb)</del>	2		
	<del>Heavy Duty 12" Long Zip Ties Black (per Frame)</del>	12		

## Standard Hardware Packs Included With Every 3H And 4H AquaClimb

Pack Code	Name	Hardware	Qty
AC-C-BAP-Std	Base Anchor Pack - Standard		
		5/8" x 6" Powers 304 SS Wedge Anchors	4
		5/8" 304 SS Flat Washer	4
		5/8" Split Lock Washer	4
		5/8" SS Nut	4
		2-1/4" Clevis Pin	2
		1/8" Cotter Pin	2
		1/2" Washer	2
AC-C-FCP	Frame Connector Pack		
		HDPE .75 OD .438 ID x 1-5/8" long Spacer Tube	7
		3/8"-16 x 6" Hex Cap Screw T-316	7
		3/8" Fibreglass Nuts	7
		3/8" Washer	14
		3/8" Lock Washer	7
AC-C-DBCP	Diagonal Brace Connector Pack		
		3/8"-16 x 2-1/2" Hex Cap Screw	8
		3/8" Fibreglass Nuts	8
		3/8" Flat Washer	16
		3/8" Lock Washer	8
AC-C-SP	Spacer Pack		
		1/2" Thick Nylon Spacer	4
		1" Thick Nylon Spacer	4

## Additional Items Required For Some Gutter Configurations


Pack Code	Name	Hardware	Qty
AC-C-BAP-Long	Base Anchor Pack - Long		
		5/8" x 8 1/2" Powers 18-8 SS Wedge Anchors	4
		5/8" 304 SS Flat Washer	4
		5/8" Split Lock Washer	4
		5/8" SS Nut	4
		2-1/4" Clevis Pin	2
		1/8" Cotter Pin	2
		1/2" Washer	2
AC-C-EAS-5"	Elevated Anchor System - up to 5" step		
	<b>SET OF TWO</b>	3/4" x 6" Powers 18-8 SS Wedge Anchors	2
		3/4" 304 SS Flat Washer	4
		3/4" Coupling Nut SS 304	2
		3/4" Custom Leveling Pad	2
		3/4" SS Nut	4
		3/4" Threaded Rod Std 6"	2
AC-C-EAS-7"	Elevated Anchor System - up to 7" step		
	<b>SET OF TWO</b>	3/4" x 6" Powers 18-8 SS Wedge Anchors	2
		3/4" 304 SS Flat Washer	4
		3/4" Coupling Nut SS 304	2
		3/4" Custom Leveling Pad	2
		3/4" SS Nut	4
		3/4" Threaded Rod Long 8"	2
AC-C-SL-4"	Support Legs - 2 per base - 4" drop		
	<b>SET OF TWO</b>	5/8" Threaded Rod Std 6"	2
		5/8" Welded Nut & Washer	4
		5/8" Nyloc & Washer	2
AC-C-SL-6"	Support Legs - 2 per base - 6" drop		
	<b>SET OF TWO</b>	5/8" Threaded Rod Long 8"	2
		5/8" Welded Nut & Washer	4
		5/8" Nyloc & Washer	2

**Please read these important notes to help ensure a successful installation.**



**IMPORTANT INFORMATION**

Information following this icon **MUST** be followed exactly or damage/injury may result.



**VIDEO AVAILABLE**

Information following this icon is also available in video form on YouTube.

**Simply click on these icons (in this pdf) and the video pertaining to that page will launch automatically!**

**⚠ DO NOT TIGHTEN ANY BOLT UNTIL YOU ARE SPECIFICALLY INSTRUCTED TO "TIGHTEN" IT.**

Until you are instructed to tighten, keep all bolts loose so the pieces are free to slide. Secure the nut onto the bolt only enough to prevent it from falling off. There are many components to your AquaClimb which all must line up properly. Keeping the bolts loose allows you the ability to slightly adjust positioning of the pieces to correct alignment issues. In the final steps of the assembly, you will be instructed at the proper time to verify the alignment of all sections and tighten the bolts.

**⚠ DO NOT OVER-TIGHTEN BOLTS.**

Over-tightening bolts can lead to damage or failure of your AquaClimb. It is strongly recommended to only use hand tools when assembling the frame. Avoid the usage of impact drivers or other power tools to assemble the frame.

**TOOLS REQUIRED FOR INSTALLATION**

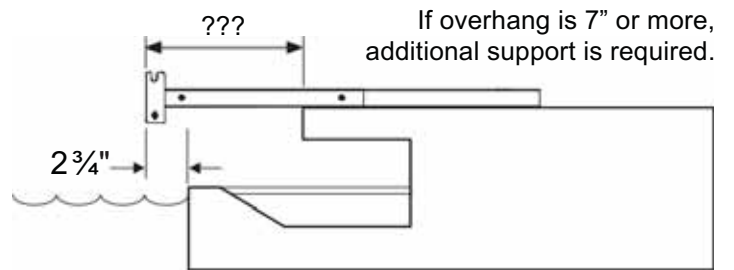
- Rotary Hammer Drill
  - 5/8" drill bit required for standard wedge anchors
  - Level, 36" or longer
  - 9/16" wrench – Qty 2 (socket wrenches acceptable)
  - 15/16" wrench (socket wrenches acceptable)
  - Mini Sledge
  - Tape Measure
  - Marking Pencil
  - Small pry bar or large flat blade screwdriver for assisting in the alignment of the frames
- While not required, you will find it helpful to have a 7/32" allen wrench and a large flat head screw driver in case you need to adjust the positioning of your panels and climbing holds.*

**Pool Depth Requirements**

AC-C-3H	6' Pool Depth (5' ALT Configuration)
AC-C-4H	8' Pool Depth (7' ALT Configuration)
AC-C-5H	9' Pool Depth (8' ALT Configuration)

**DO NOT INSTALL THE AQUACLIMB IN POOL DEPTHS SHALLOWER THAN RECOMMENDED.**

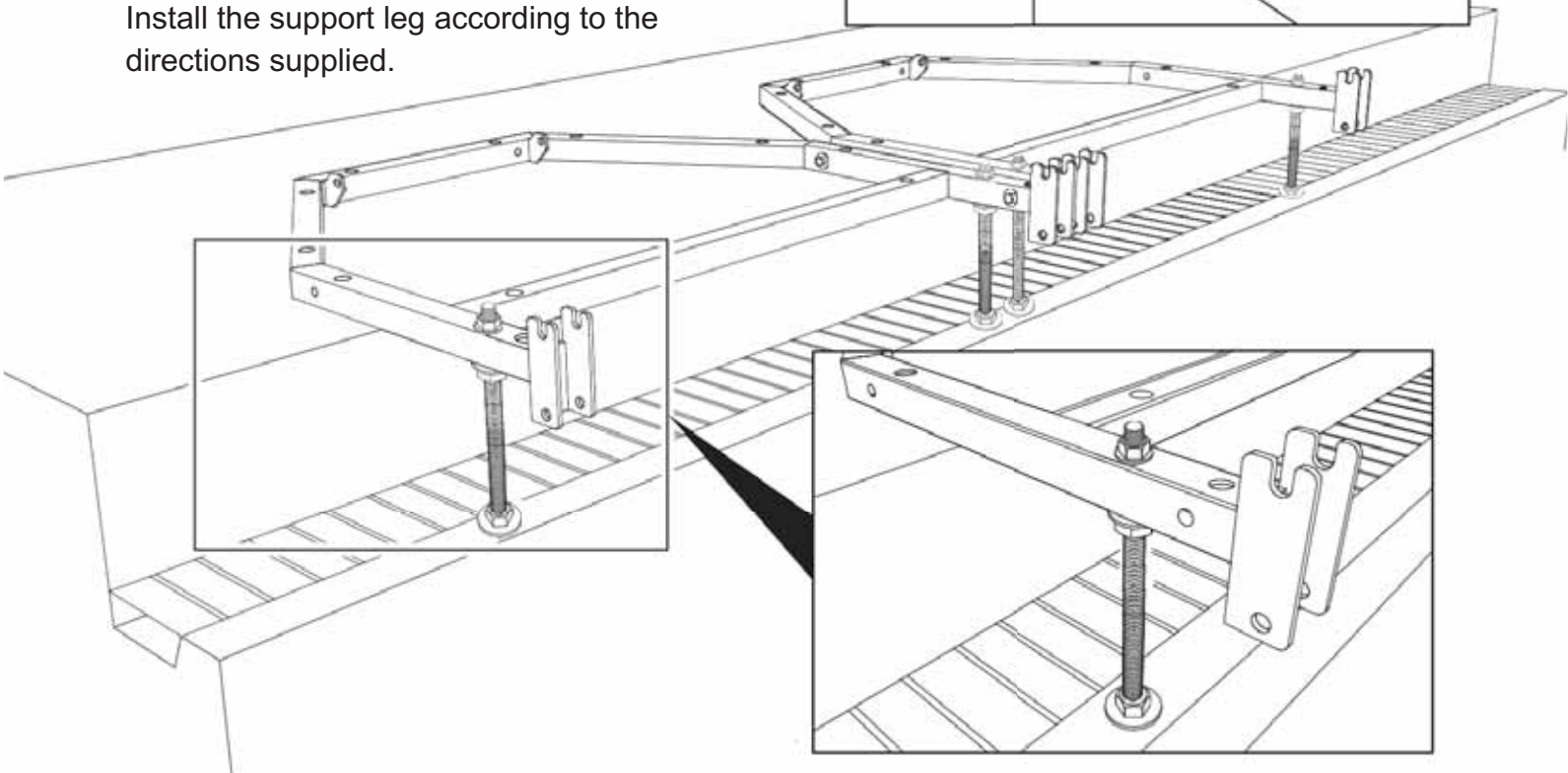
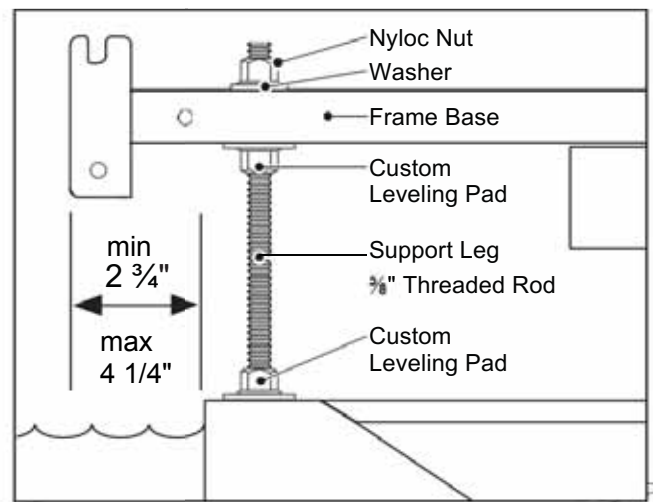
*This installation guide shows a typical installation on a common deck configuration. In certain situations you will need to take additional steps to ensure a safe installation of your AquaClimb.*



## Scenario #1

### BASE ARMS ARE UNSUPPORTED MORE THAN 7" PAST EDGE OF GUTTER

If your pool deck and/or gutter configuration causes your AquaClimb base to overhang by 7" or more from the last point of deck contact, you must install AquaClimb support legs (**AquaClimb Support Leg System – Part # AC-C-SL – Sold Separately**). Two legs are required for each base section. Install the support leg according to the directions supplied.



## Scenario #2

### SLOPING POOL DECKS

If your deck surface is not level and slopes towards or away from the pool, you will need to use nylon spacers to level the base.

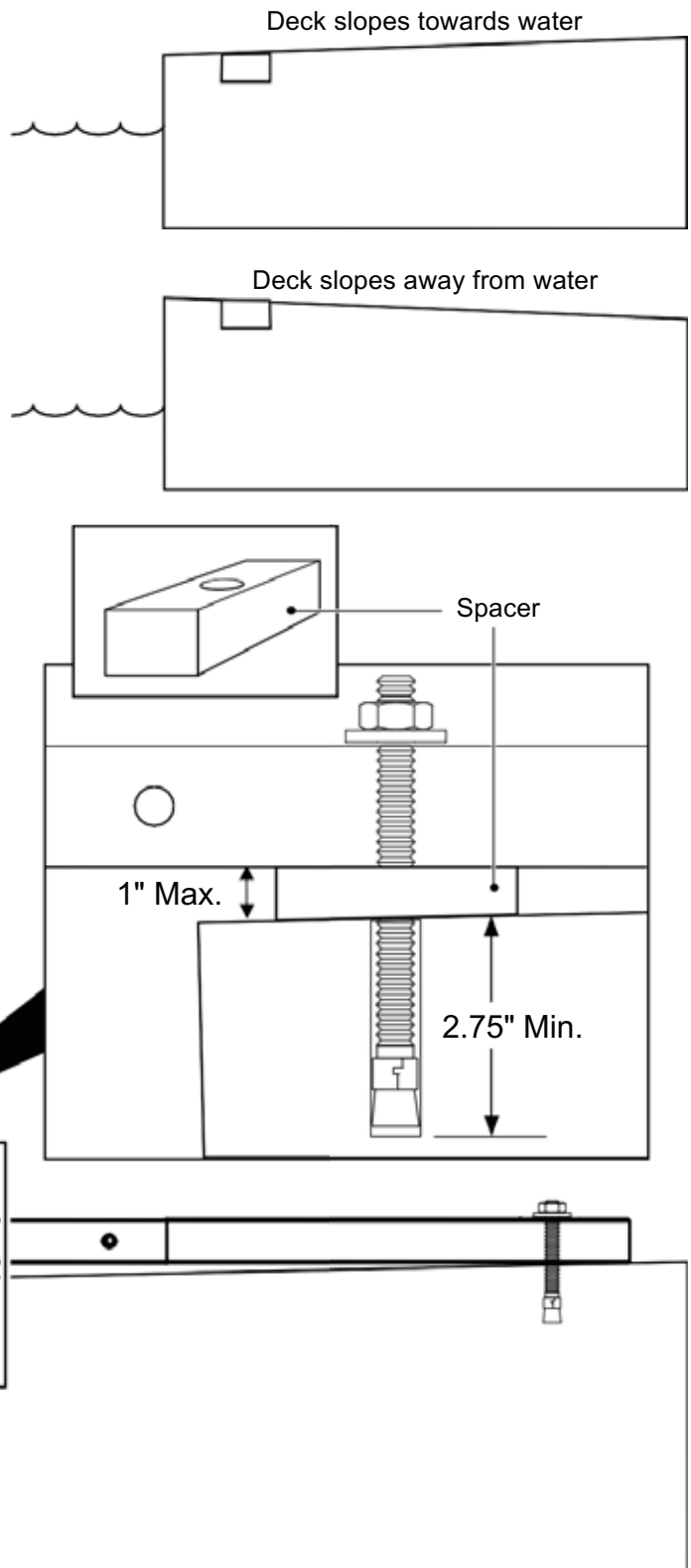
Place nylon spacers provided between the base frame assembly and the pool deck to level out the base. The anchor bolt should go through the spacer so it can not shift out of position.

### DONOT USE MORE THAN 1" OF SPACERS WITH STANDARD LENGTH ANCHORS.

Contact AquaClimb customer service for longer anchors if you need to use more than 1" of spacers.

 **IMPORTANT:**

The cement anchors must be embedded into the concrete by at least 2.75". Depending on the total height of your spacers, longer anchors may be required.



## Scenario #3

### COPING IS NOT FLAT

If your deck shape or coping is not flat, and your AquaClimb base can not be mounted flat and level, you will need to use spacers to raise the base assembly.



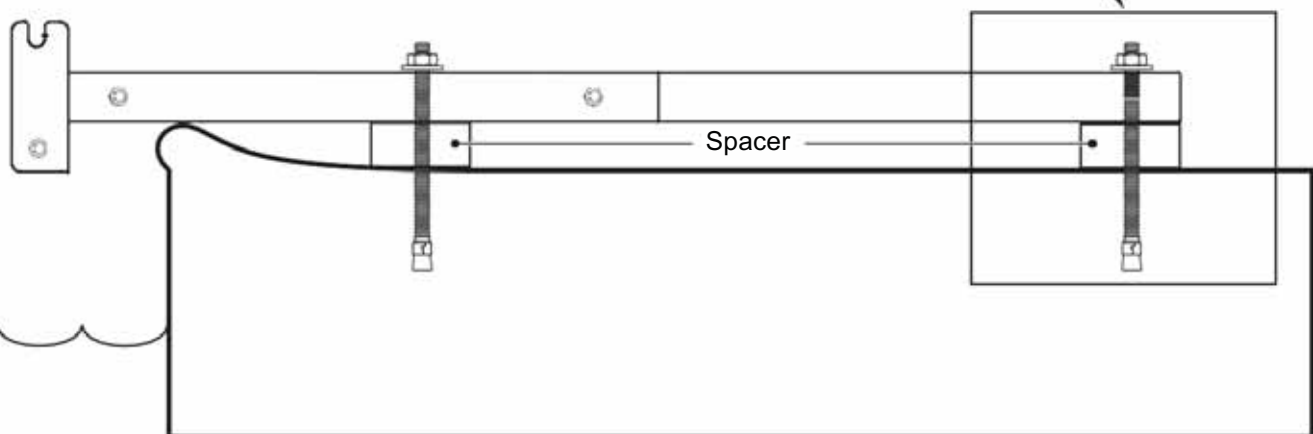
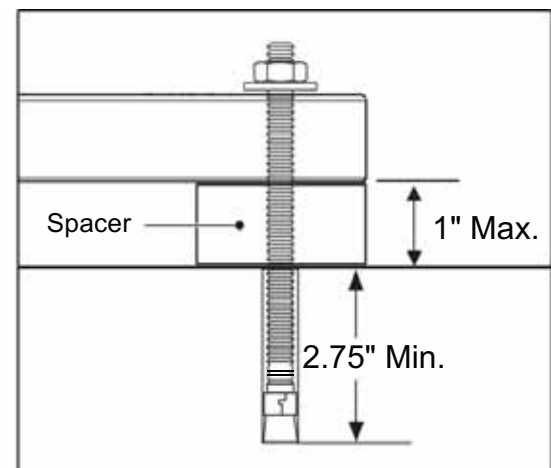
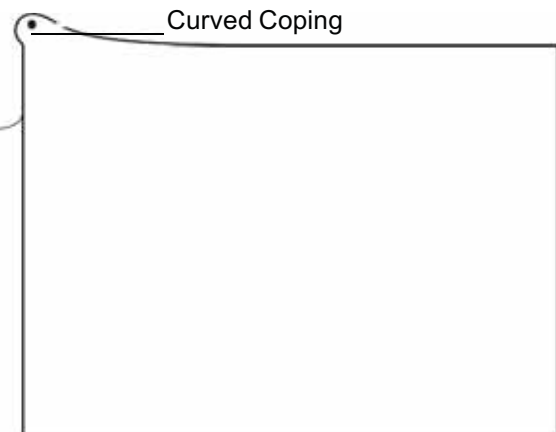
#### IMPORTANT:

The cement anchors must be embedded into the concrete by at least 2.75". Depending on the total height of your spacers, longer anchors may be required.

Place nylon spacers between the base frame assembly and the pool deck to raise and level out the base. The anchor bolt should go through the spacers so it cannot shift out of position.

#### DO NOT USE MORE THAN 1" OF SPACERS WITH STANDARD LENGTH ANCHORS.

Contact AquaClimb customer service for longer anchors if you need to use more than 1" of spacers.





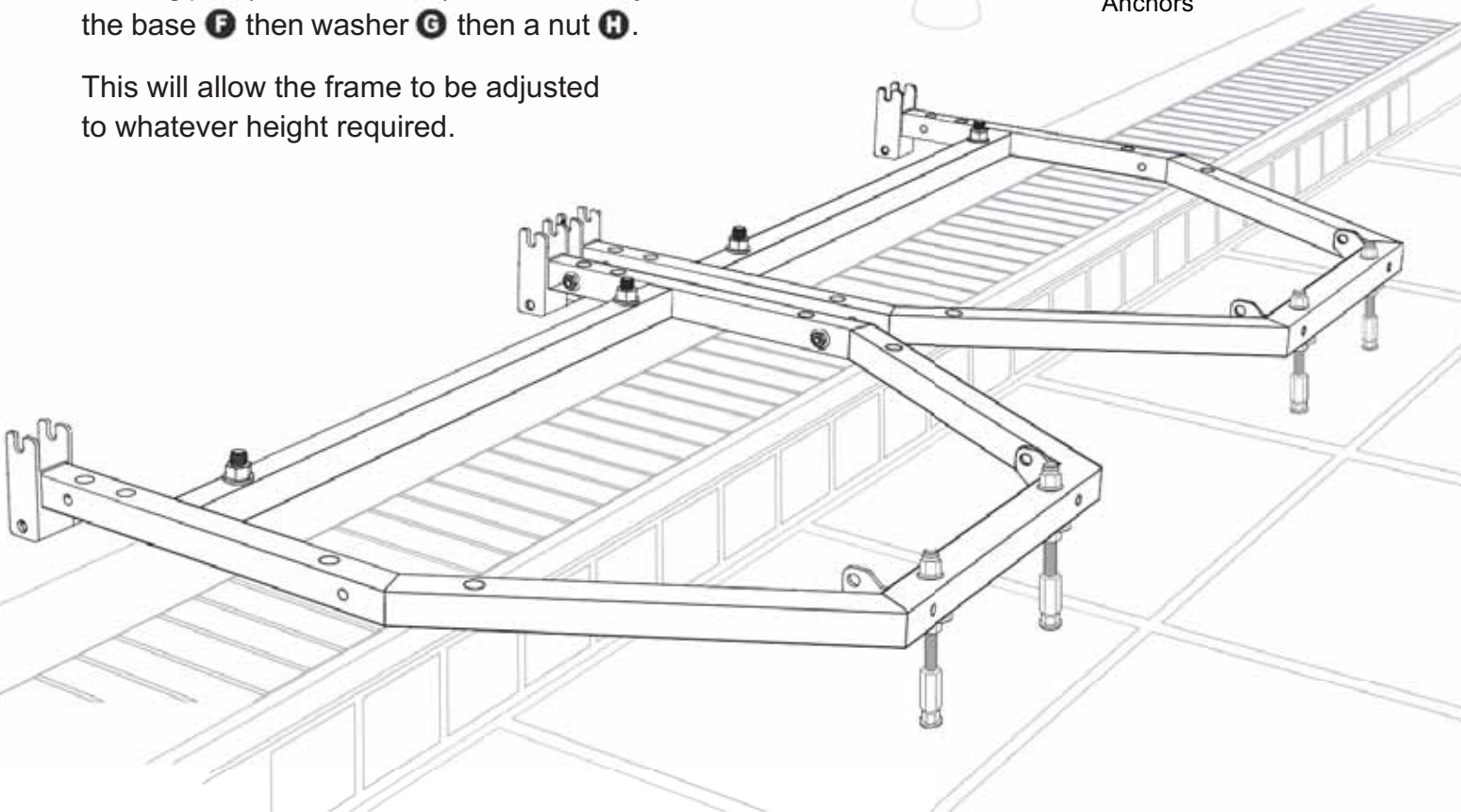
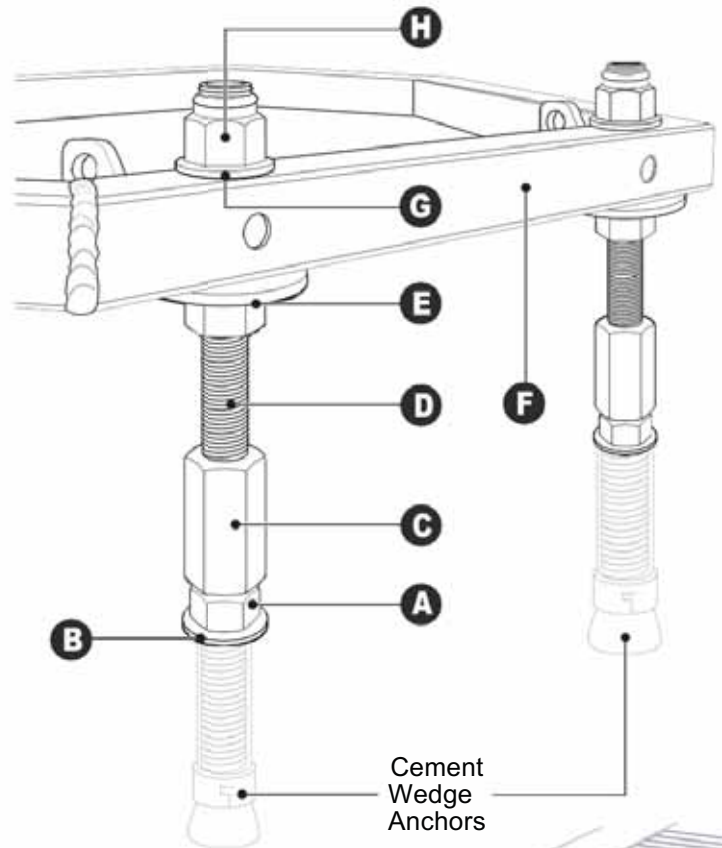
## Scenario #4

### CURB OR OBSTRUCTION ON POOL DECK

The following items (*AquaClimb Elevated Anchor System – Part # AC-C-EAS – Sold Separately*) are used to elevate the base in situations where the pool deck has a curb or obstruction to allow the base to sit flat and level on the deck surface.

Drill and set  $\frac{3}{4}$ " Wedge anchors into the concrete as described in step 3, page 7. Tighten down the nut **A** with a washer **B** to full torque. Put on the end of the anchor a  $\frac{3}{4}$ " x 2-1/2" long coupling nut **C** followed by  $\frac{3}{4}$ " threaded rod **D**, then a custom leveling pad ( $\frac{3}{4}$ " nut/washer) **E** followed by the base **F** then washer **G** then a nut **H**.

This will allow the frame to be adjusted to whatever height required.



## Connecting the Bases



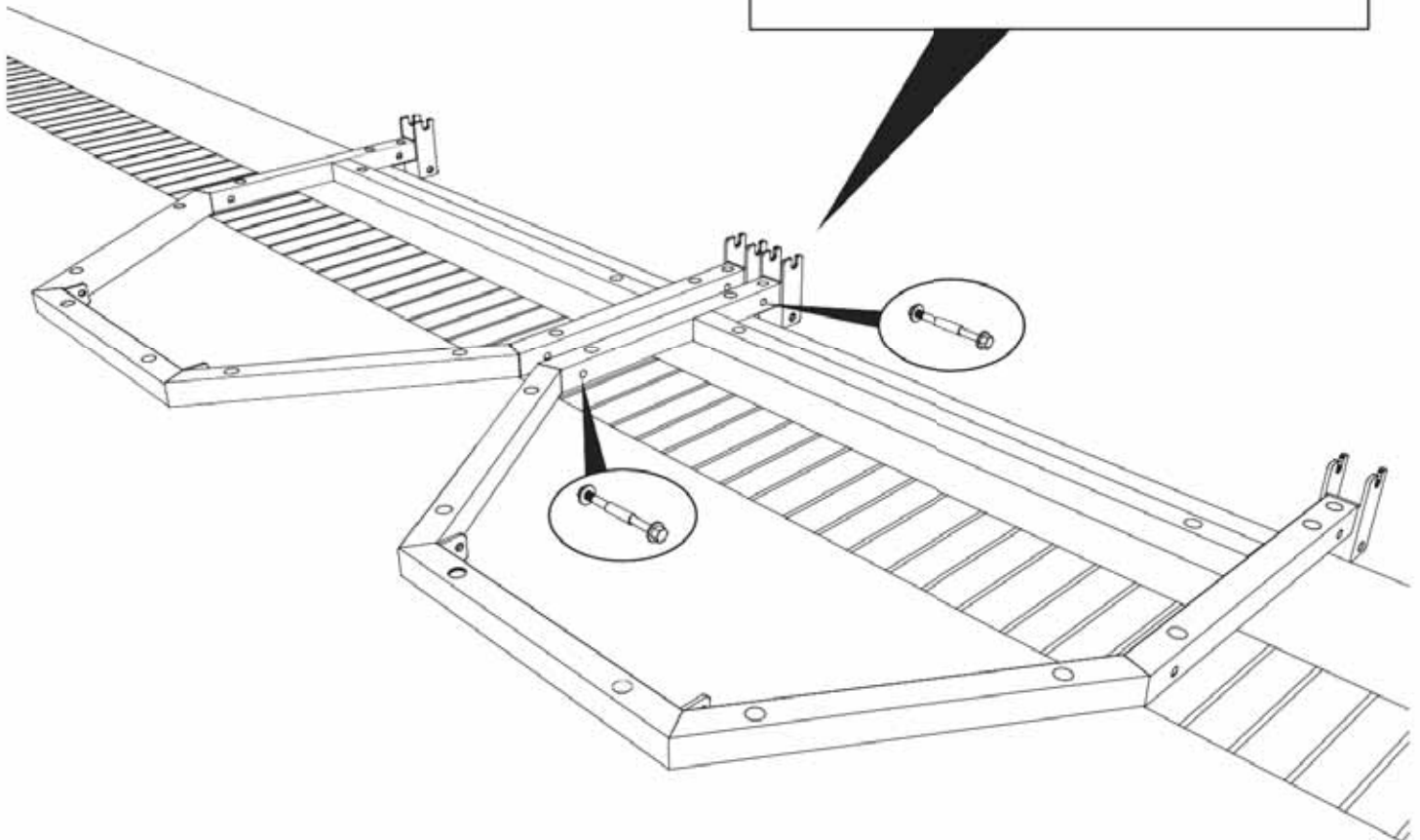
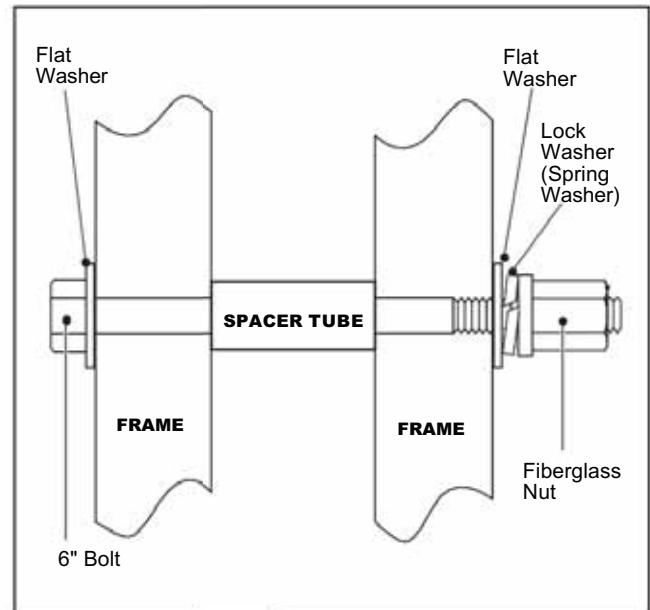
If you are only installing a 1-wide AquaClimb you may skip ahead to step 3.

Using the Frame Connector Bolts, attach all base sections together side by side. The round spacer tube is positioned on the bolt between the bases to ensure proper base spacing. Use two Frame Connector Bolts to join each adjacent frame as shown below. Make certain the bases are flat and level. It may help to place the ends of the bases over the edge of the pool so the bases lay flat while you install the connector bolts.




**DO NOT TIGHTEN ANY BOLTS AT THIS TIME.**

### FRAME CONNECTION DETAIL



## Align Bases

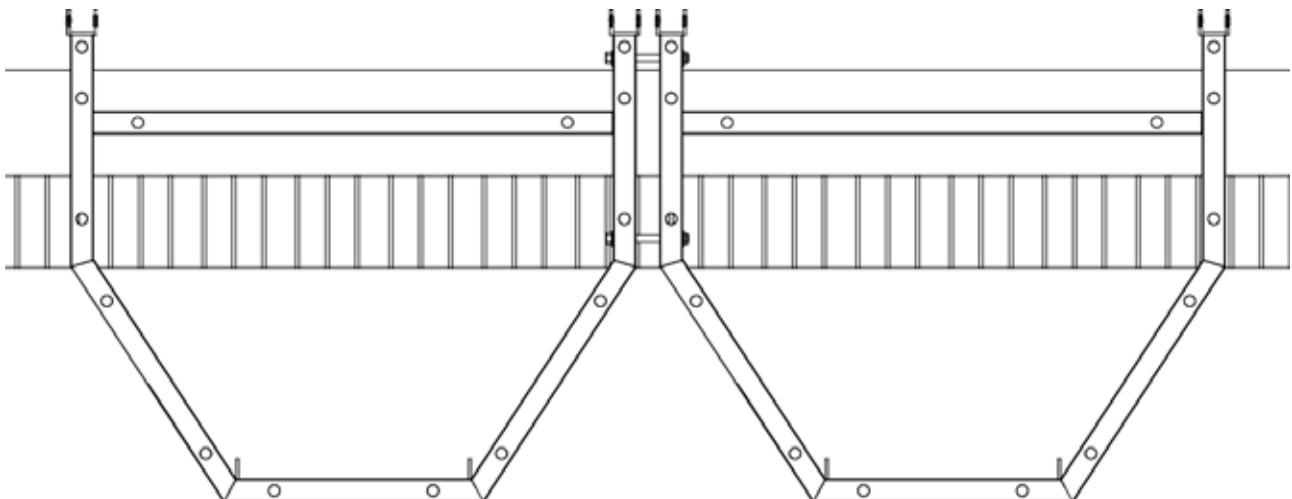
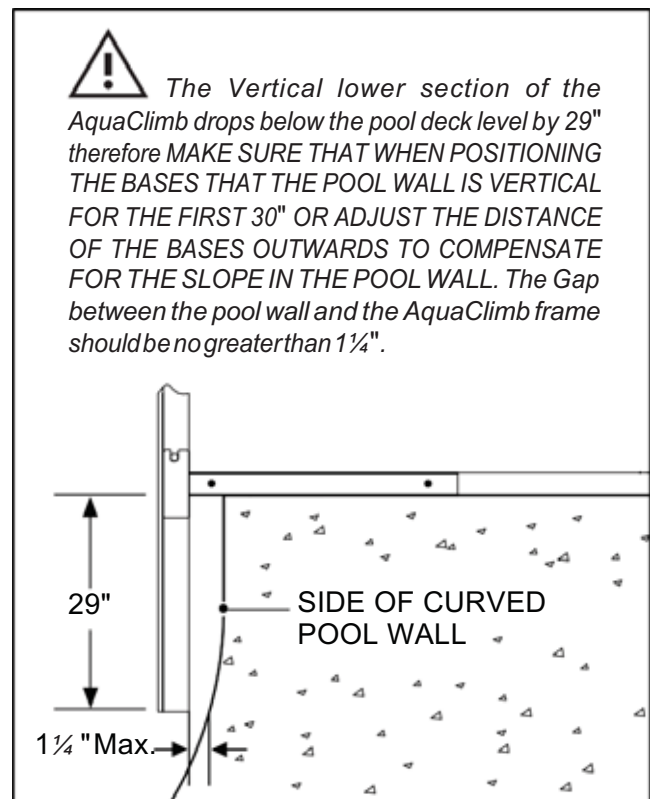
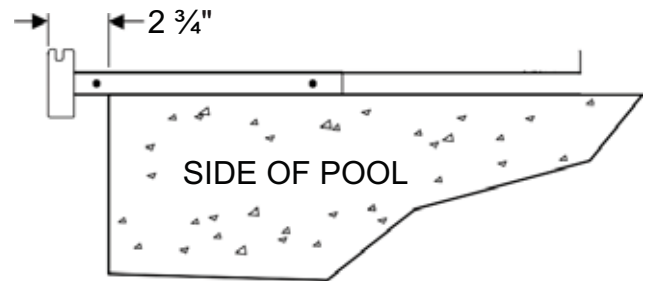
 Before drilling any holes, position the base(s) over the marks on your pool deck that you made in Step 1. The base(s) will overhang the vertical sidewall of the pool by  $2\frac{3}{4}$ " as shown in the illustration at the top right.

Look through the holes in the base and align the base(s) with your anchor marks.

Double check the following:

- All anchor locations are centered within the corresponding hole in the base.
- Your overall alignment is square with the pool.
- The bases are all exactly in line with each other.
- All bases overhang the vertical sidewall of the pool by exactly  $2\frac{3}{4}$ " as shown at the top right.

If your alignment and positioning is correct, tighten the Frame Connector Bolts to securely connect the bases to each other. Double check alignment and positioning.



## 5/8" Wedge Anchor Installation



To ensure more accurate positioning of anchors, place base of frame in proper position on floor and use the bolt holes as a guide for the drill bit, drilling just enough to start the hole.



**MOVE THE FRAME TO ONE SIDE TO FINISH DRILLING THE HOLE AND TO MAKE IT EASIER TO REMOVE DUST COMPLETELY FROM THE HOLE. FAILURE TO DRILL CORRECT MINIMUM DEPTH OR REMOVE ALL DUST MAY RESULT IN ANCHOR FAILURE.**

### Drill The Holes

Using the a 5/8" drill bit and a rotary hammer drill, drill all of the anchor holes to a depth of 3-1/2". Clear the dust from the hole using compressed air.



**ALWAYS WEAR APPROVED EYE AND EAR PROTECTION WHEN USING A DRILL OR COMPRESSED AIR.**

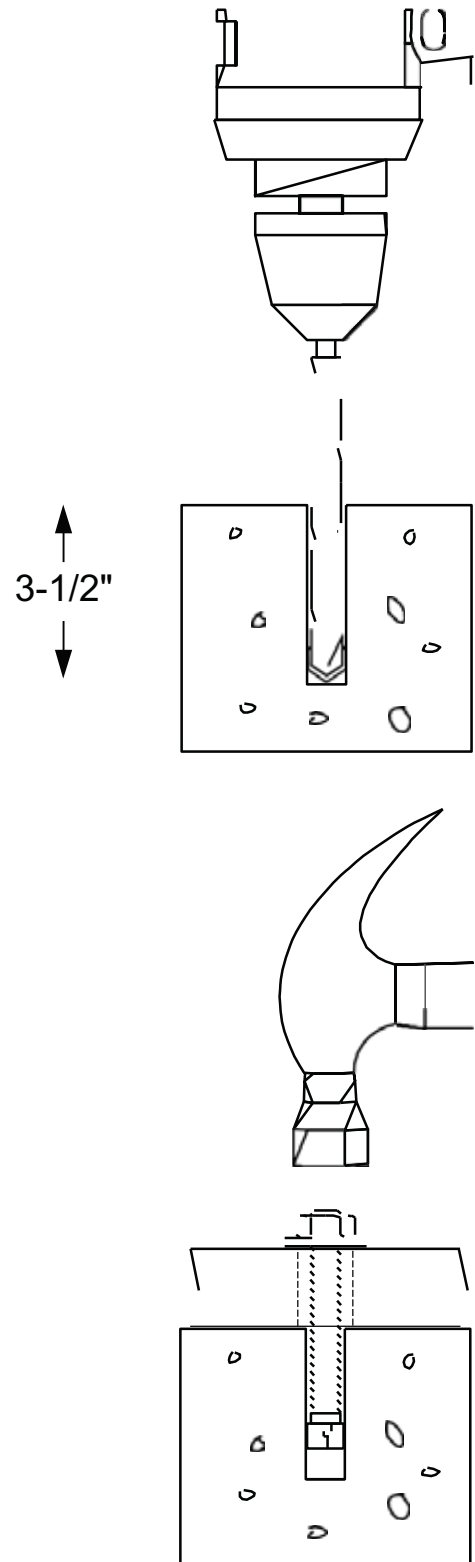


### Install The Anchors

Make sure the washer and nut are positioned near the end of the anchor as shown to the right. Place the anchor through the frame and into the hole. Gently drive the anchor down until the nut and washer reach the frame.

**Your anchor must be AT LEAST 2.75" deep into the concrete.**

**Tighten the anchor first to "finger tight" – do not use a tool at this time.**



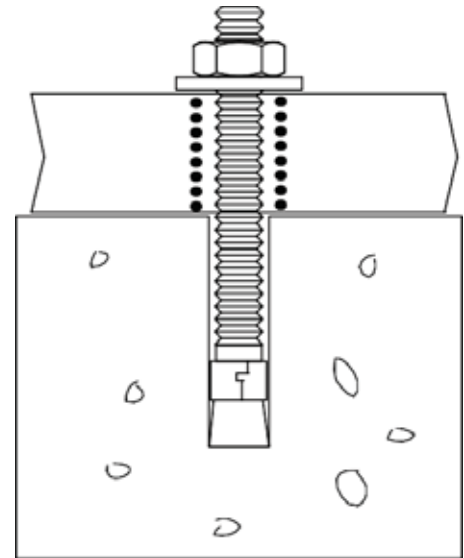
## Mounting the Base Assembly



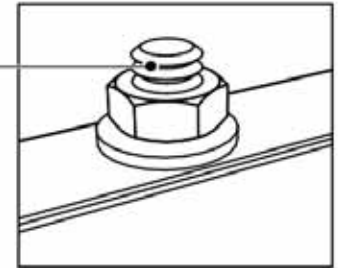
Before proceeding, double check the position of the base assembly over the anchors. Check the alignment to make certain it is square with the pool wall.

### Using 5/8" Wedge Anchors:

In Step 3, you should have already positioned the base and secured the wedge anchors to finger tight. Tighten the anchor by turning the nut 3 to 5 times past finger tight. If you have a torque wrench available, tighten the nut to 90 ft-lbs.

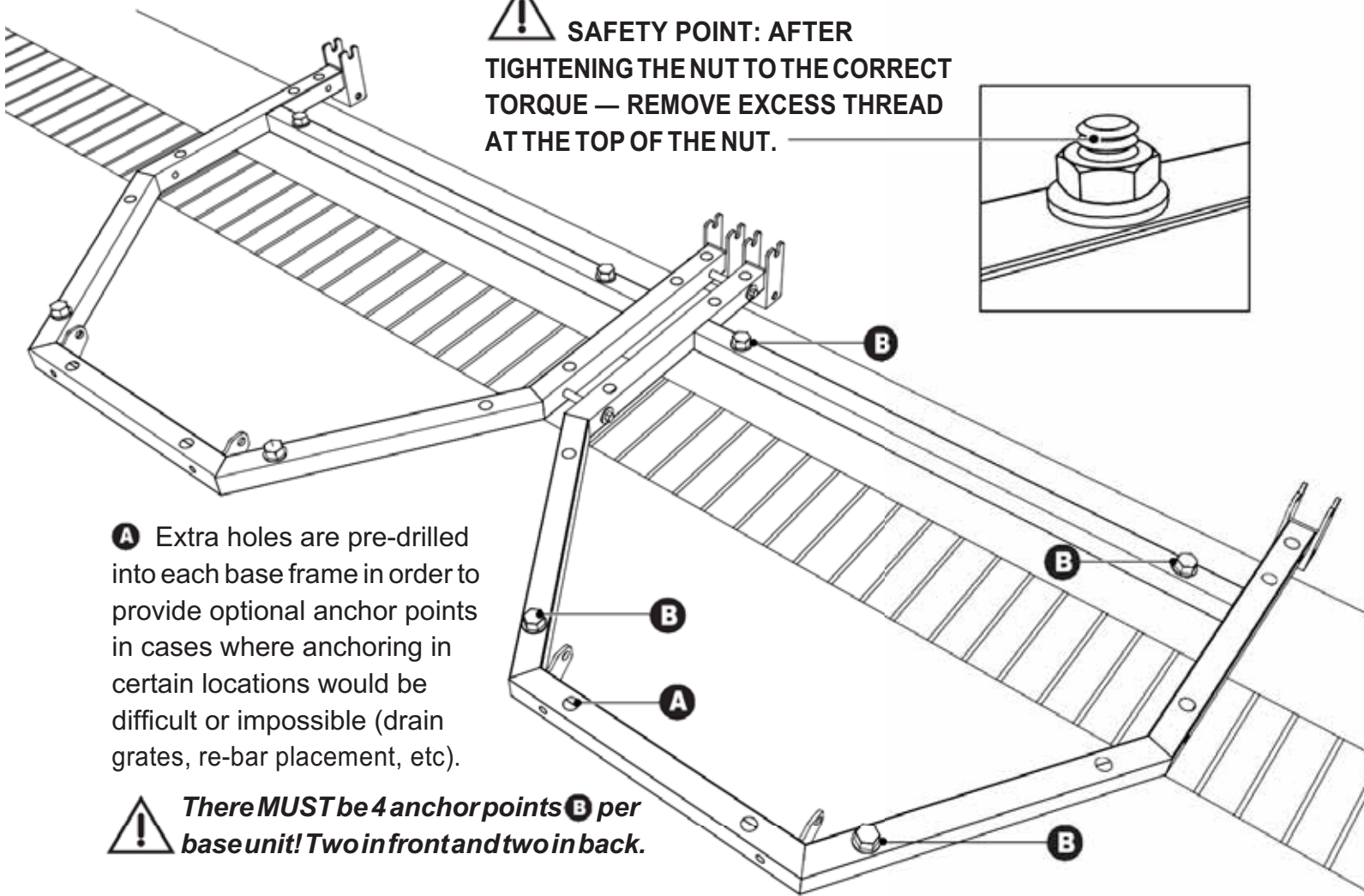


**SAFETY POINT: AFTER TIGHTENING THE NUT TO THE CORRECT TORQUE — REMOVE EXCESS THREAD AT THE TOP OF THE NUT.**



**A** Extra holes are pre-drilled into each base frame in order to provide optional anchor points in cases where anchoring in certain locations would be difficult or impossible (drain grates, re-bar placement, etc).

**!** *There MUST be 4 anchor points **B** per base unit! Two in front and two in back.*



## Positioning the Frame

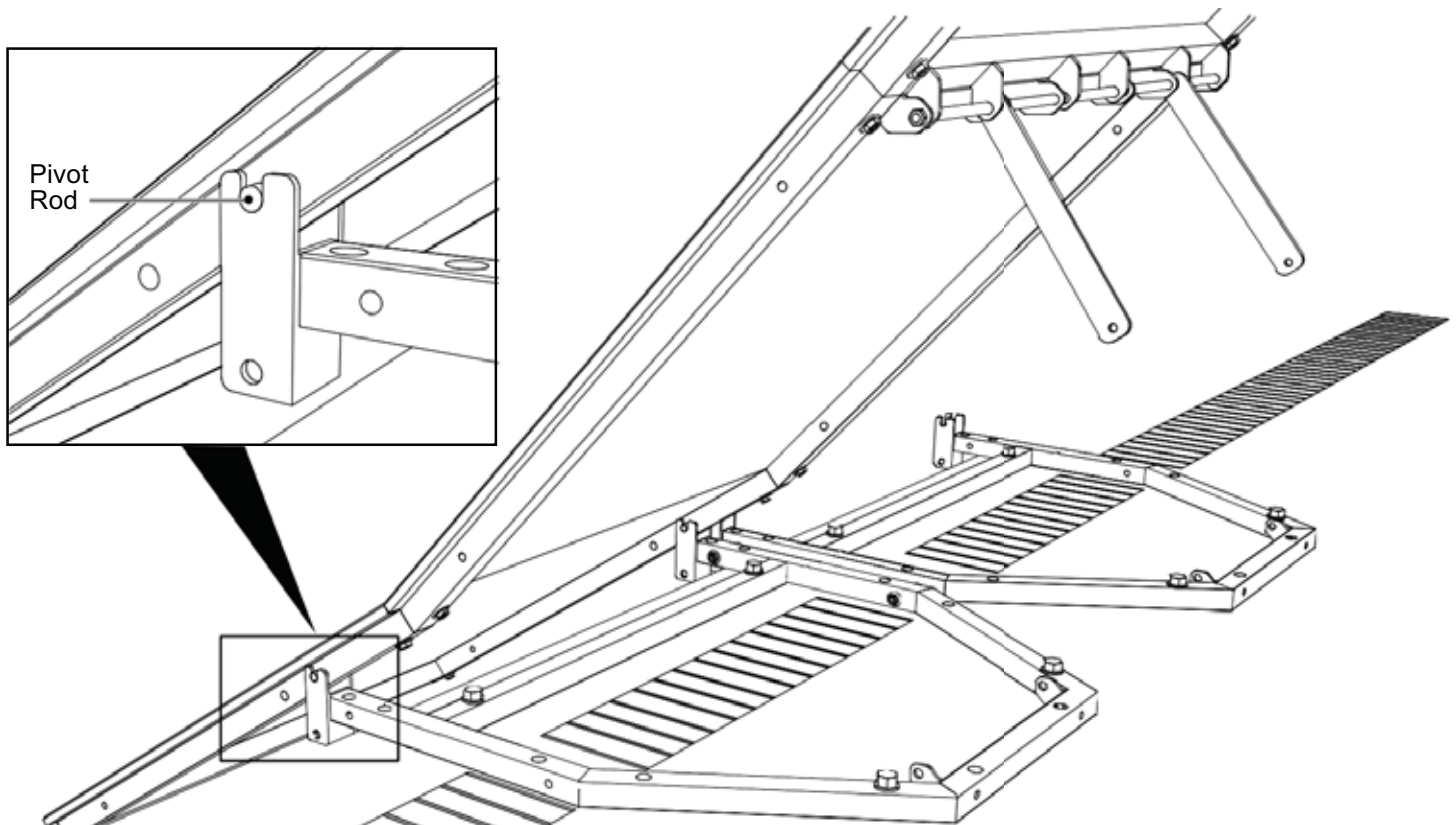


Position the main frame assembly with the fiberglass panels over top of the base assembly. The fiberglass panels should be facing up, and the clear panel should be away from the pool. Approximately 31" from both the left and right sides of the bottom of the main frame assembly, you will find a small pivot rod protruding from the sides of the frame. Position both pivot rods into the receivers located at the end of the base above the water. The pivot rods will engage each receiver on both sides of the metal frame, or a total of four contact points in each base section. Make sure the pivot rod is seated correctly in each of these four locations.



**BEFORE YOU POSITION THE MAIN FRAME ASSEMBLY PLEASE CHECK ALL CLIMBING HOLDS AND BOLTS TO ENSURE THEY ARE FULLY TIGHTENED AND POSITIONED IN THE DESIRED SETTING. ALSO CHECK THE PANEL COLORS TO ENSURE THEY ARE IN THE DESIRED POSITION.**

*If you are installing an AquaClimb that has multiple frames, before setting them in the base it is important to make sure that you have the frames in the correct order so that all the panel colors are in the right place. Once you have determined the correct order then start the frame installation from left to right as shown in the drawing.*

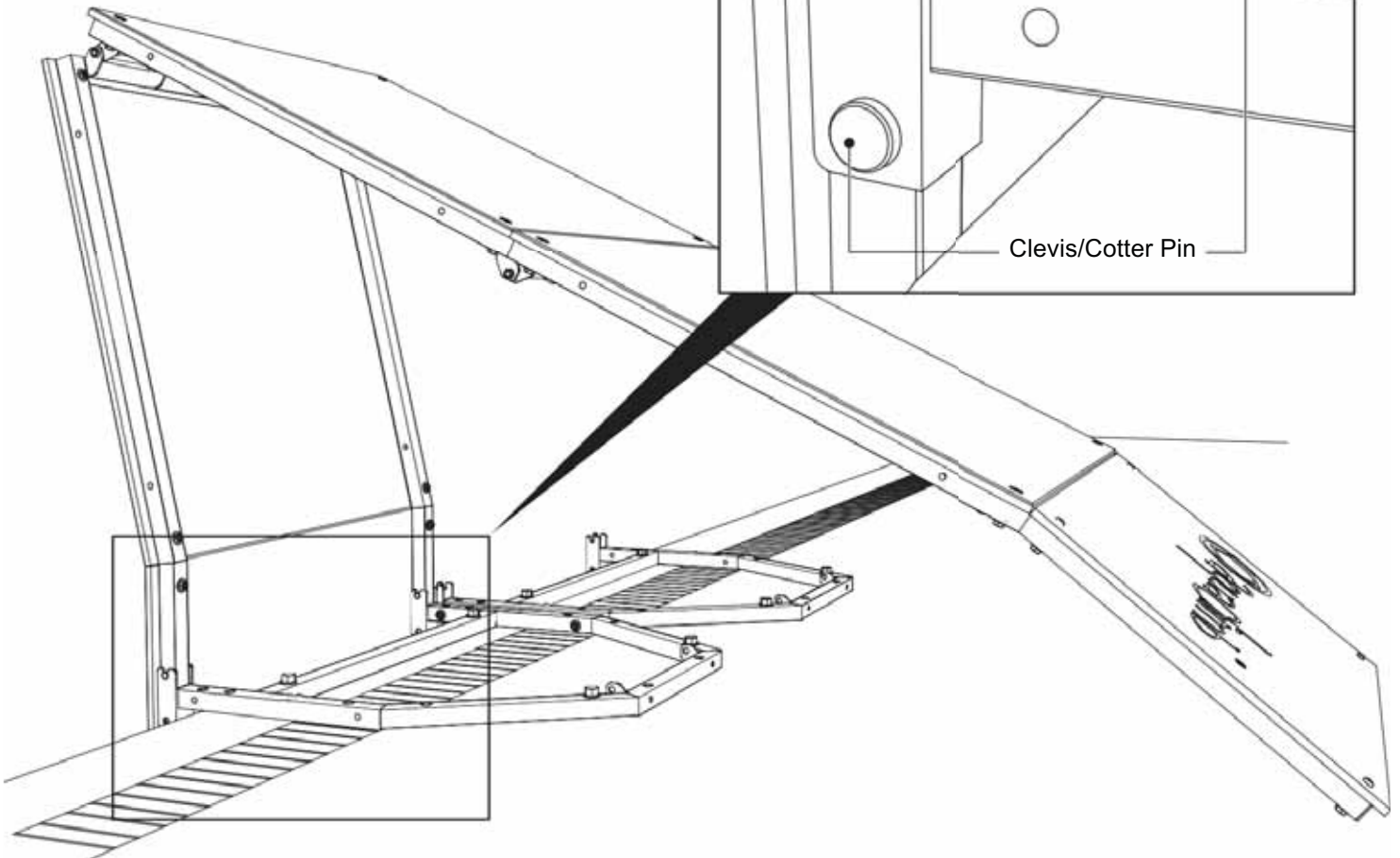
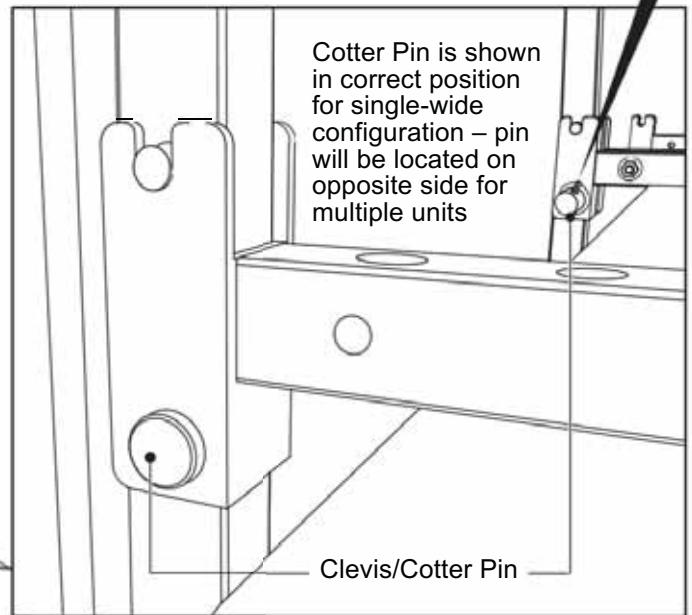
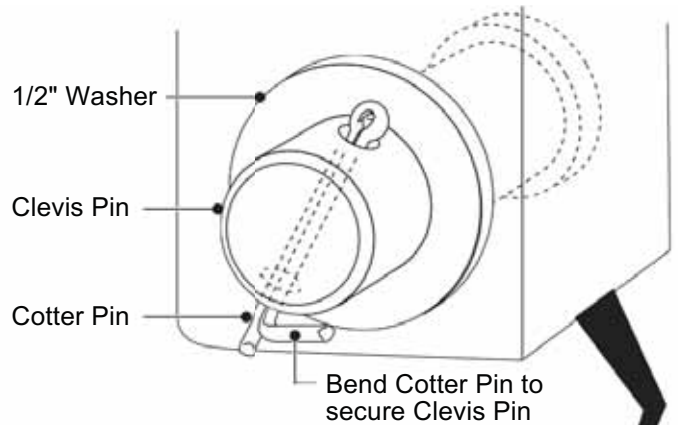


## Rotate the Frame Upright





Rotate the lower portion of the main frame into the upright position. Only rotate one outside section, do not rotate any other sections until instructed.

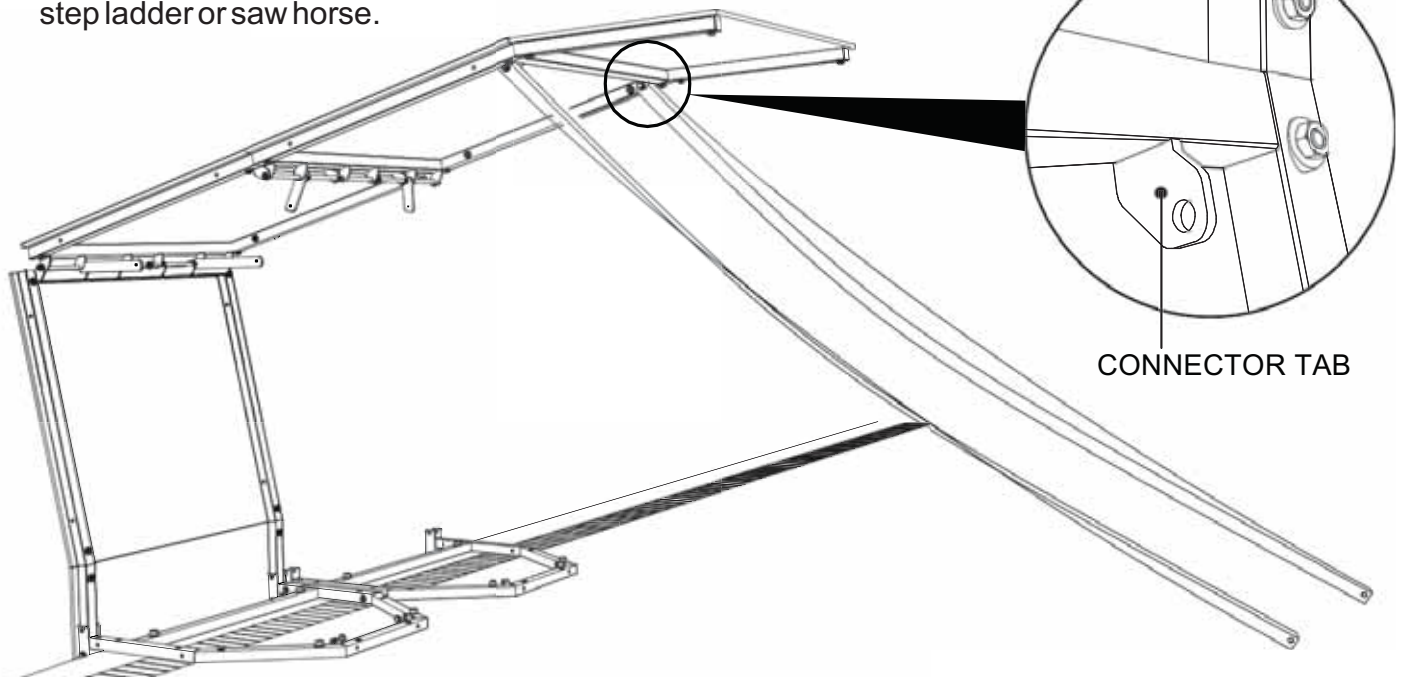
Secure the lower portion of the upright frame by installing a clevis pin through the bottom hole in each receiver. Insert cotter pin through the hole in the end of the clevis pin. All cotter pins should be installed toward the inside of the frame rails (in order to reduce the possibility of injury), except between 2 or more units where reversing them will facilitate installation.



## Connect the Diagonal Supports

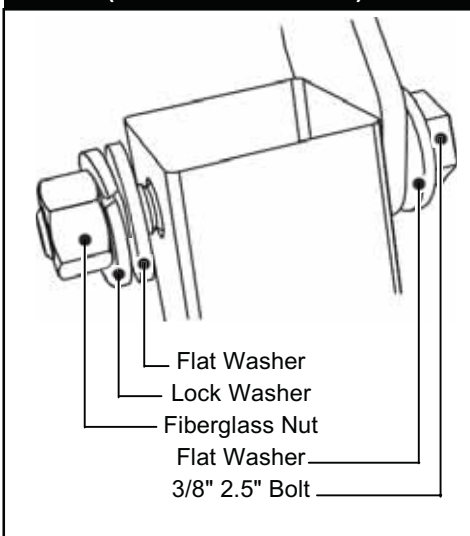
 With the help of another person, carefully lift the top end of the frame a few feet into the air. If you are working alone, set the top crossbar of the metal frame onto a sturdy step ladder or saw horse.

 Using a 3/8" x 2.5" bolt, secure the curved diagonal braces to the outside of the connector tabs located just under the clear panel. The diagonal brace should be positioned between the tab and the side of the frame as shown in the images below.

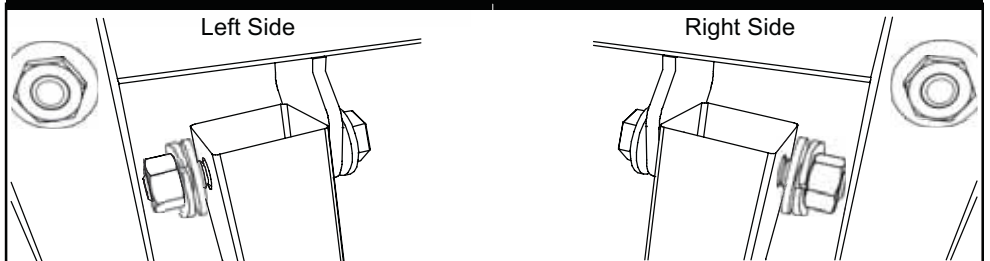


CONNECTOR TAB

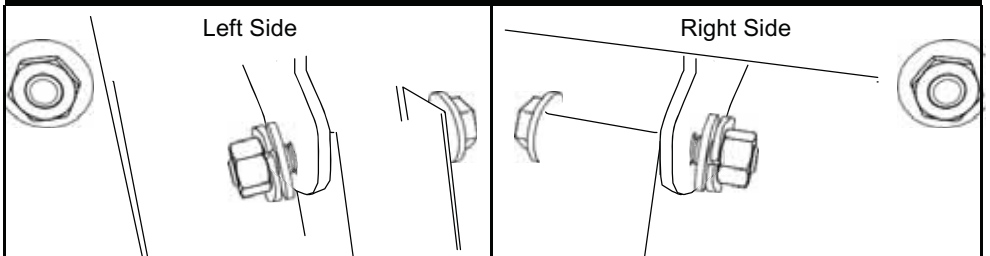
### BOLT ASSEMBLY COMPONENTS (ALL 4 LOCATIONS)



### SUPPORT PLACEMENT FOR 3-PANEL CONFIGURATION



### SUPPORT PLACEMENT FOR 4-PANEL CONFIGURATION





## Push Frame Upright



Use the curved diagonal braces to assist in pushing the main frame into the upright and fully extended position.

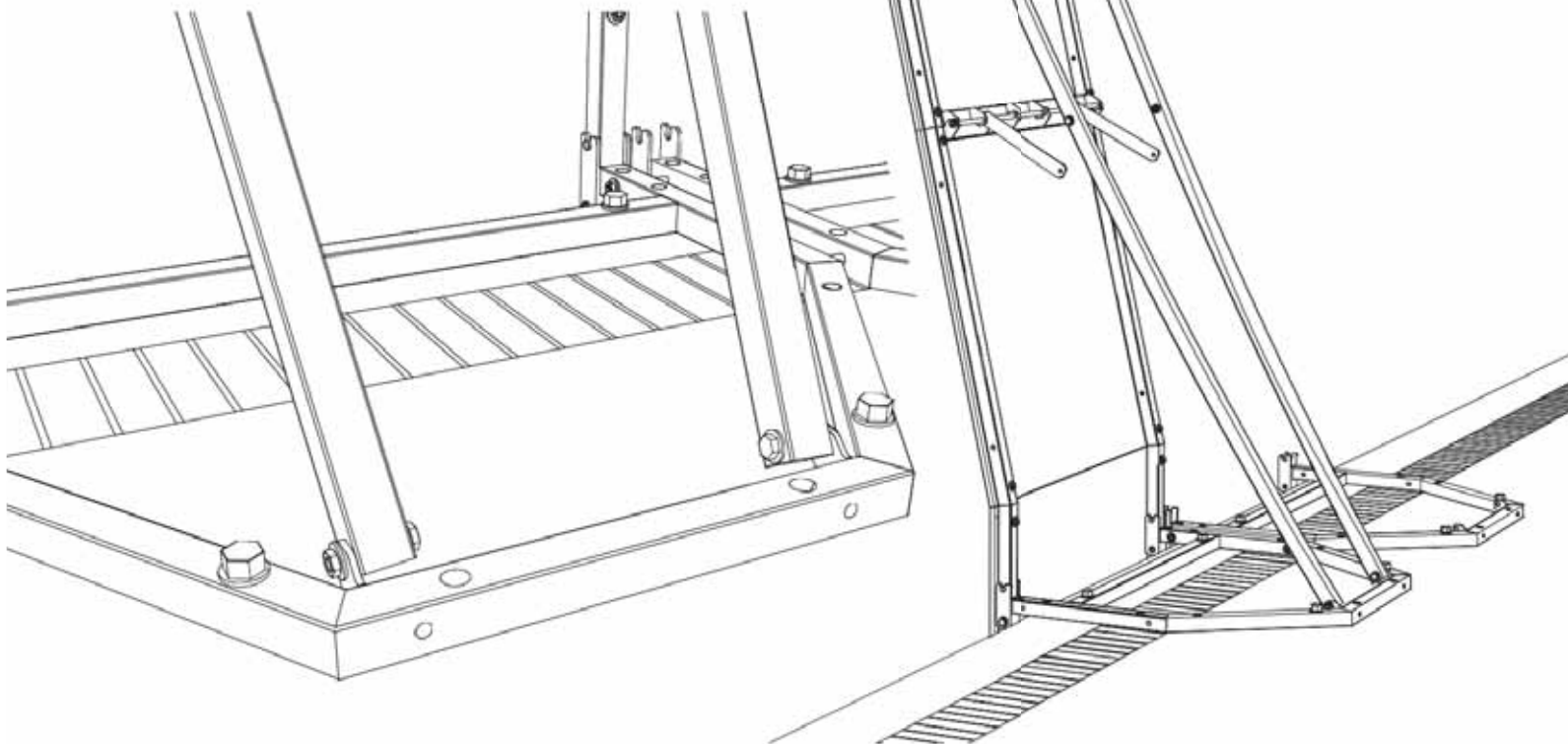
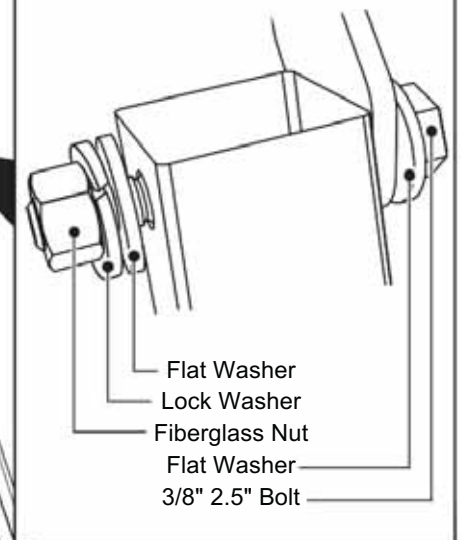
Using a 3/8" x 2.5" bolt, attach the lower end of the curved diagonal brace to the connector tabs located at the back end of the base. The diagonal braces should be connected at the inside of the tabs as shown below. Secure with a bolt and nut.




**IMPORTANT:** At this point, the lower bolt and nut should be very loose like the top connection.


Should a handhold be located in line with diagonal brace, remove and relocate handhold to prevent damage to panel.

### BOLT ASSEMBLY COMPONENTS (LEFT AND RIGHT SIDES)



## Connect Stabilizer Bars & Secure Diagonal Braces

 Swing the upper and lower stabilizer bars so the end is aligned with the corresponding hole in the curved diagonal brace. Twist the diagonal braces into position, and connect the end of the stabilizer bar using a 3/8" x 2.5" bolt and nut. Position the nut so that it is on the inside of the curved diagonal braces. Do not completely tighten any nuts until you are instructed to do so.

 **AC-C 4H Series: (Shown to the right)** Contains upper and lower stabilizer bars as shown to the right. The upper bars connect on the inside of the curved diagonal brace. The lower bars connect on the outside of the curved diagonal brace.

### AC-C 3H Series:

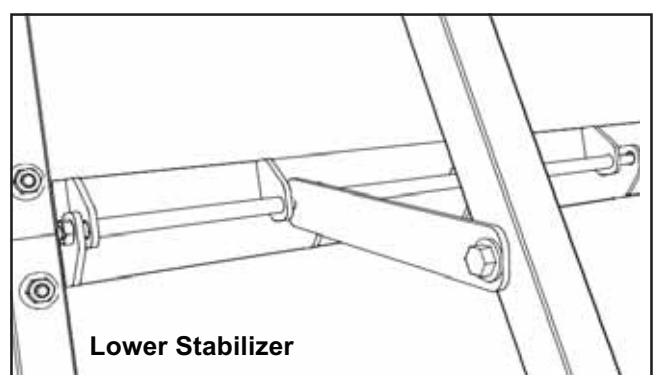
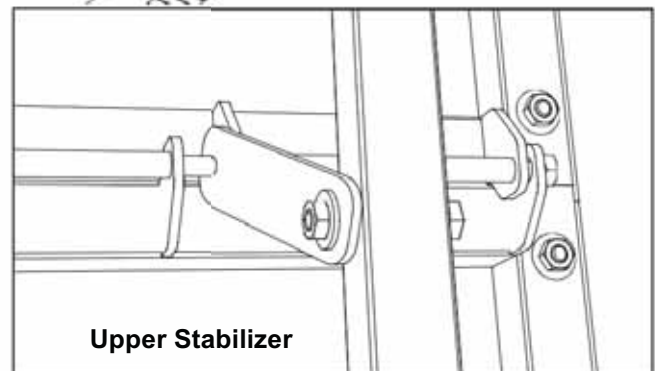
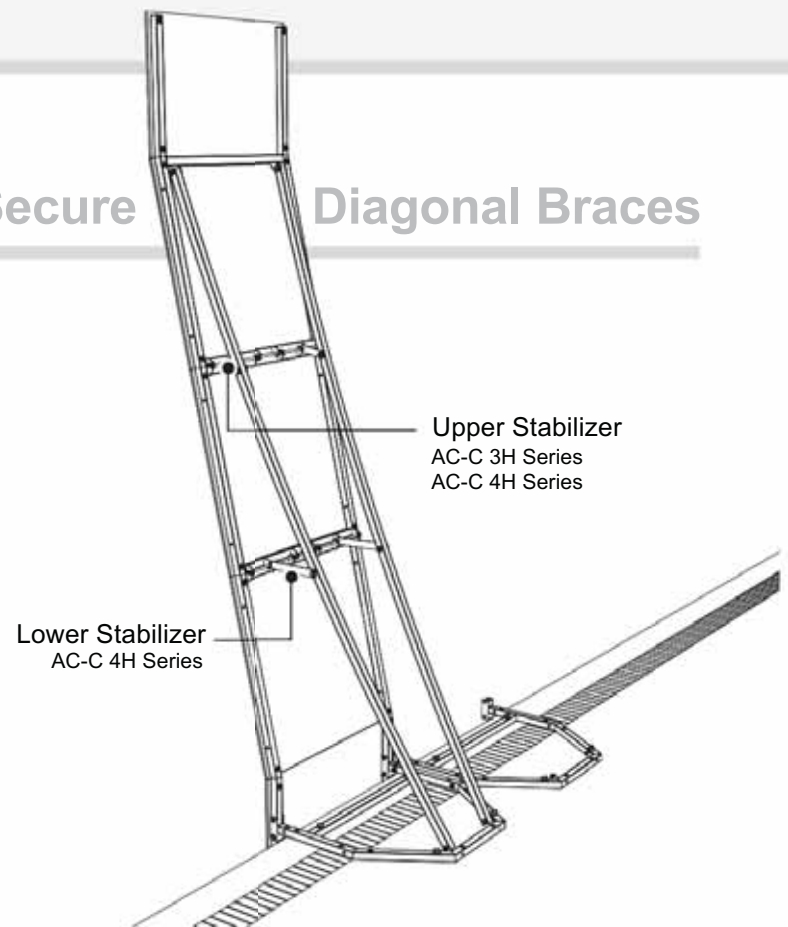
Contains only upper stabilizer bars. Connect the stabilizer bars on the inside of the curved diagonal brace.

### If you are installing a one-wide unit ONLY:

Tighten the bolts on the stabilizer bars first. After the stabilizer bars are tight, tighten the bolts at the top and bottom of the diagonal braces. Skip ahead to Step 11.

### All other models:

Do NOT tighten bolts. Repeat steps 5-8 for each upright frame section before proceeding to Step 9.



## Connect Adjacent Sections

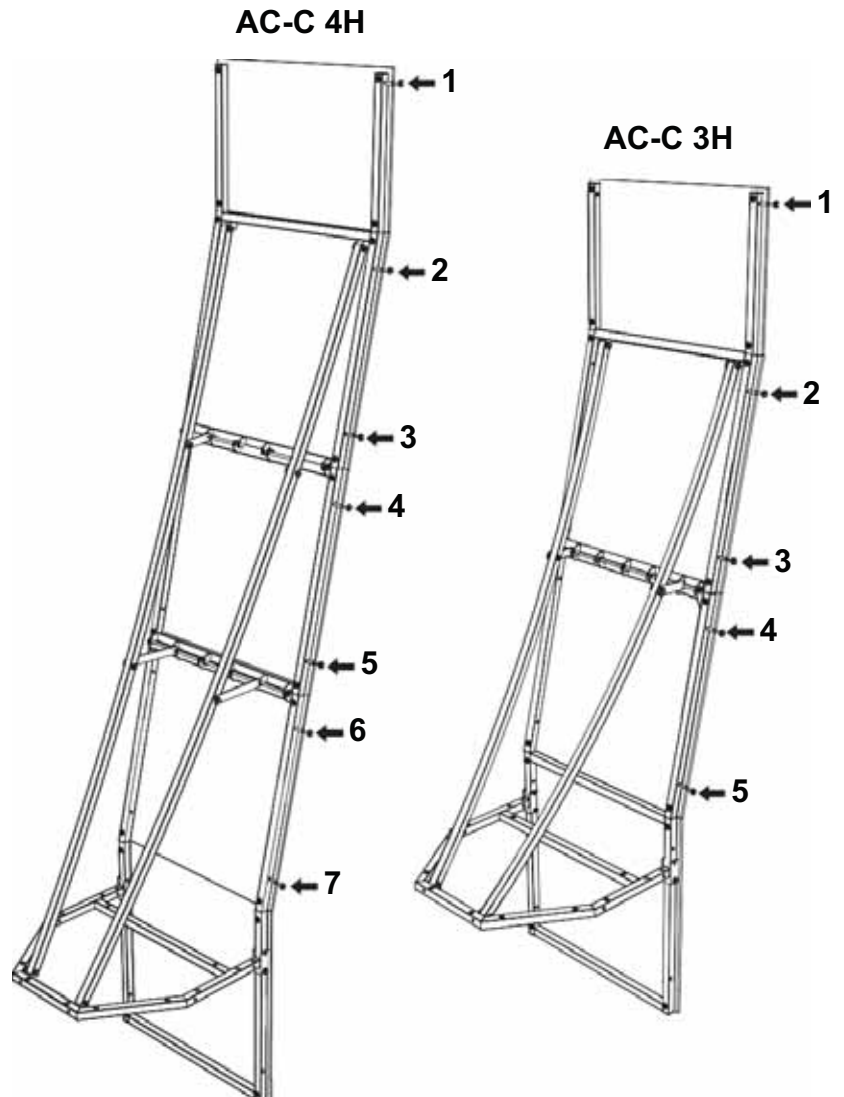
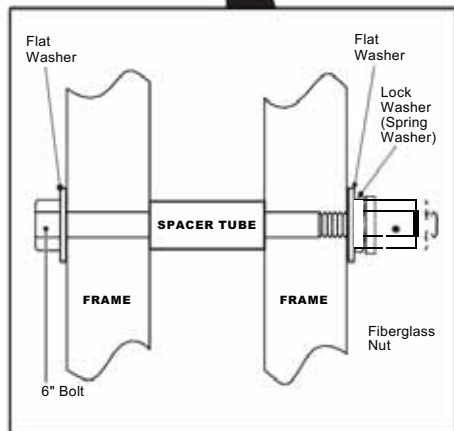
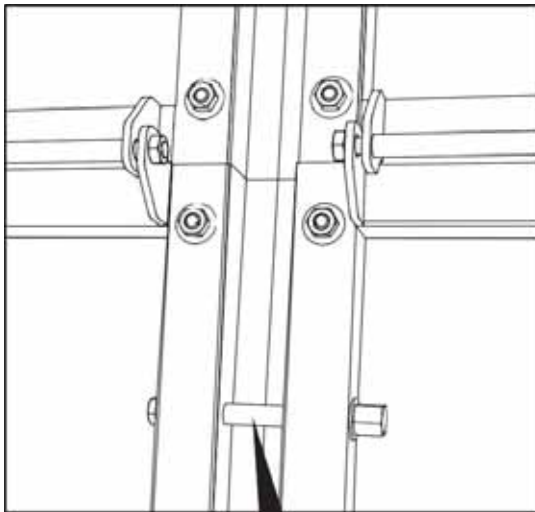


**If you are installing AC-C 3H or AC-C 4H, proceed to Step 11.**

Before you tighten any bolts, repeat steps 5 through 8 for each of the vertical frame sections in your model. After all frame sections are in the upright position, connect the frames sections together using the Frame Connector Bolts.

This is the same procedure as in Step 1. The spacer tube should be positioned between the vertical frame sections. Do not fully tighten the bolts at this time.

In the diagrams below, the arrow indicates the position of the Frame Connector Bolt for each model series. The adjacent frames have been removed for clarity. There are no Frame Connector Bolts in the outside ends of the fully assembled model.



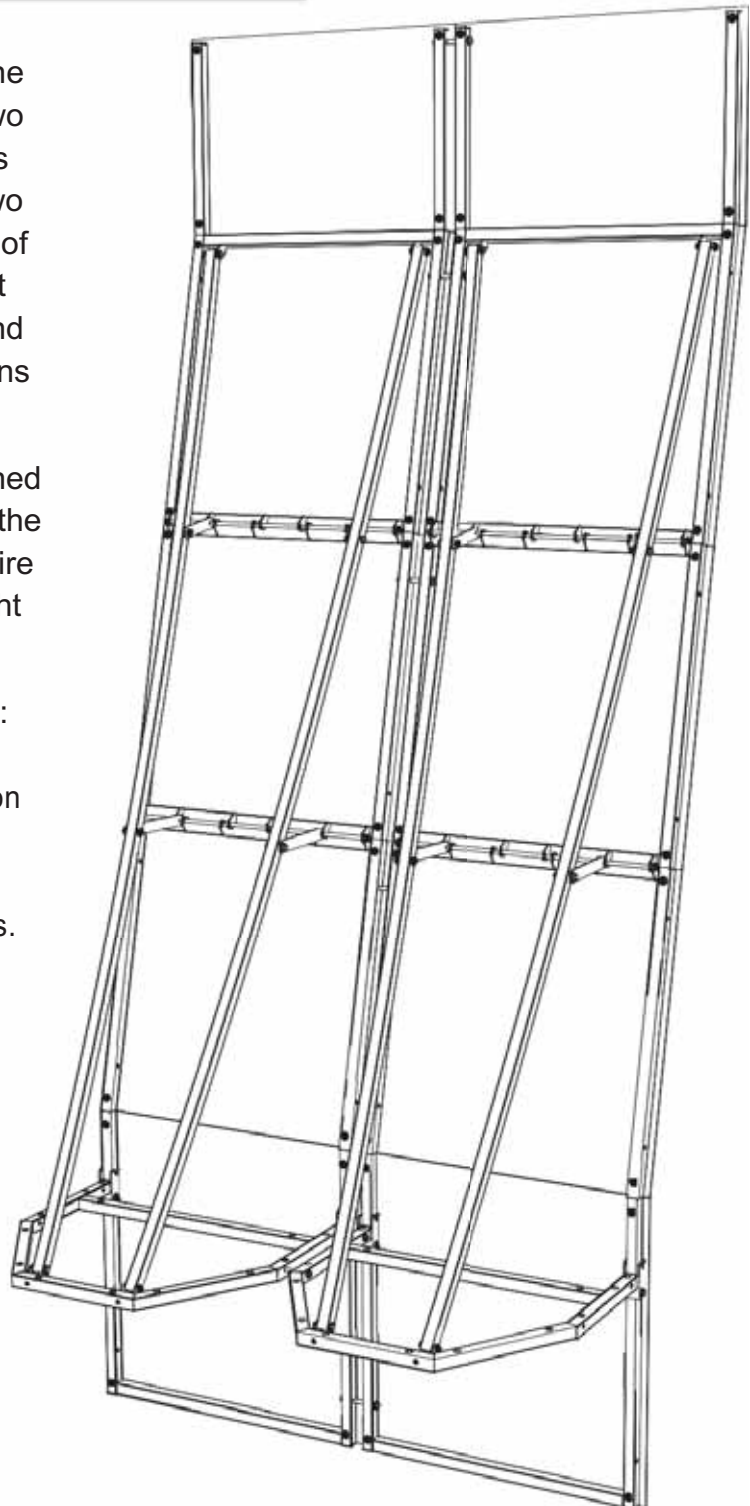
## Align Frames and Tighten Bolts



Starting at one end of your AquaClimb, align the first two vertical frame sections so all of the panels are even with each other. Once the first two vertical sections are aligned, tighten each of the Frame Connector Bolts that connect those two sections. Continue to align and secure the rest of the vertical frame sections one section at a time.

After all of the vertical sections are aligned and secured, carefully double check all of the hardware connections throughout the entire unit to make sure every nut and bolt is tight and the entire frame is rigid with no play.

If any frame sections are out of alignment: Loosen, but do not remove, all the bolts connected to the curved diagonal braces on each of the sections that are misaligned. Re-align the upright frames and then re-tighten the bolts on the diagonal braces.



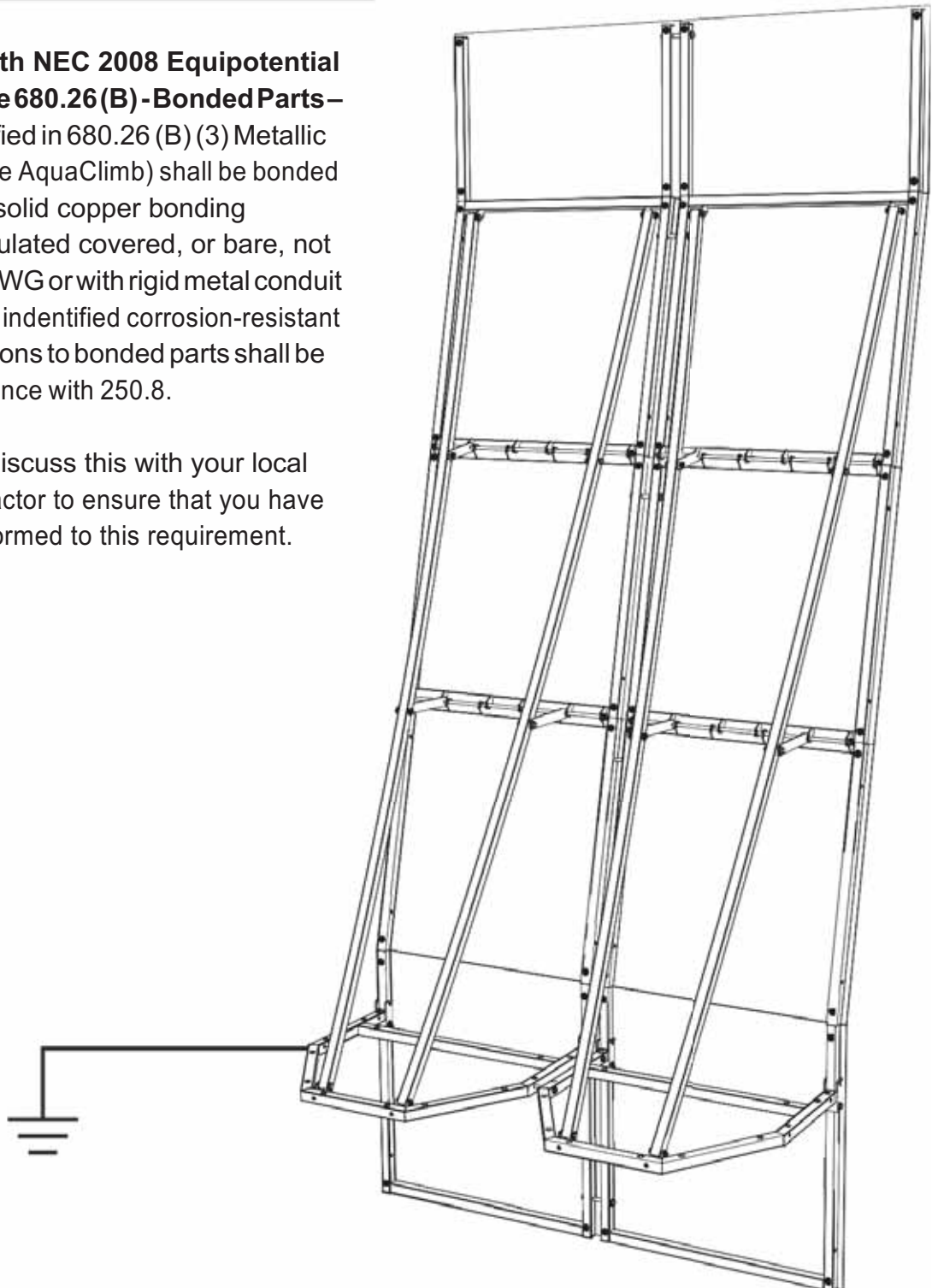
## Bonding the AquaClimb

### To conform with NEC 2008 Equipotential Bonding Article 680.26(B)-Bonded Parts—

The parts specified in 680.26 (B) (3) Metallic Components (The AquaClimb) shall be bonded together using solid copper bonding conductors, insulated covered, or bare, not smaller than 8 AWG or with rigid metal conduit of brass or other identified corrosion-resistant metal. Connections to bonded parts shall be made in accordance with 250.8.



Please discuss this with your local Electrical Contractor to ensure that you have sufficiently conformed to this requirement.



## Installing the Rear Cover

***The rear cover is optional and may be ordered by contacting our customer service department at 800.956.6692.***

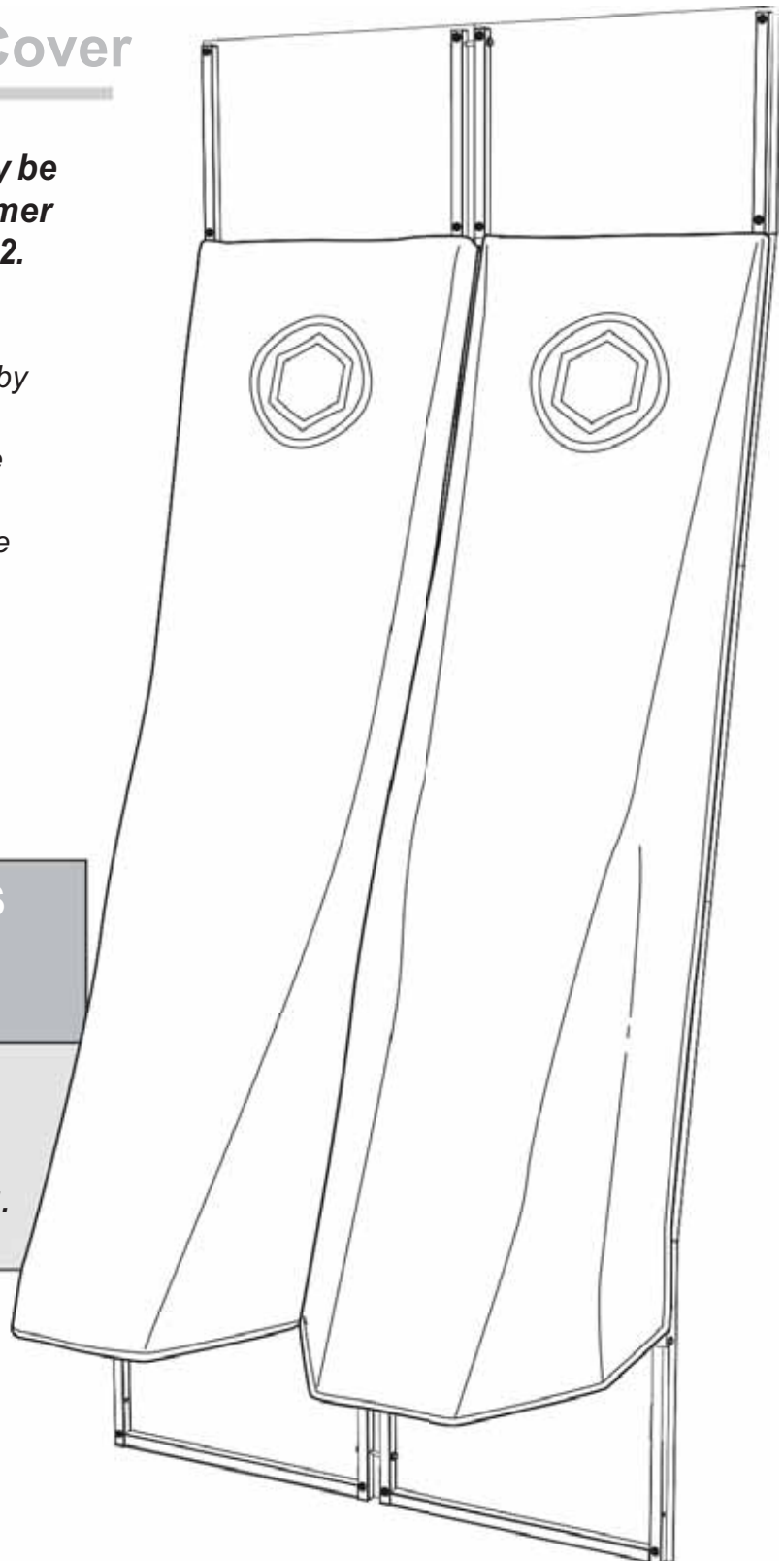
*Installation of the rear Covering system enhances the safety of the AquaClimb by preventing someone climbing the rear structure and also provides a protective barrier from the main support structure. Furthermore, it also protects against the elements and enhances the overall appearance as well.*

*Please follow instructions carefully as proper installation will promote cover longevity and improve appearance.*

### ADDITIONAL TOOLS REQUIRED FOR INSTALLATION

- Pop Rivet Gun\*
- 6 foot ladder\*

***\* These items are not supplied.***

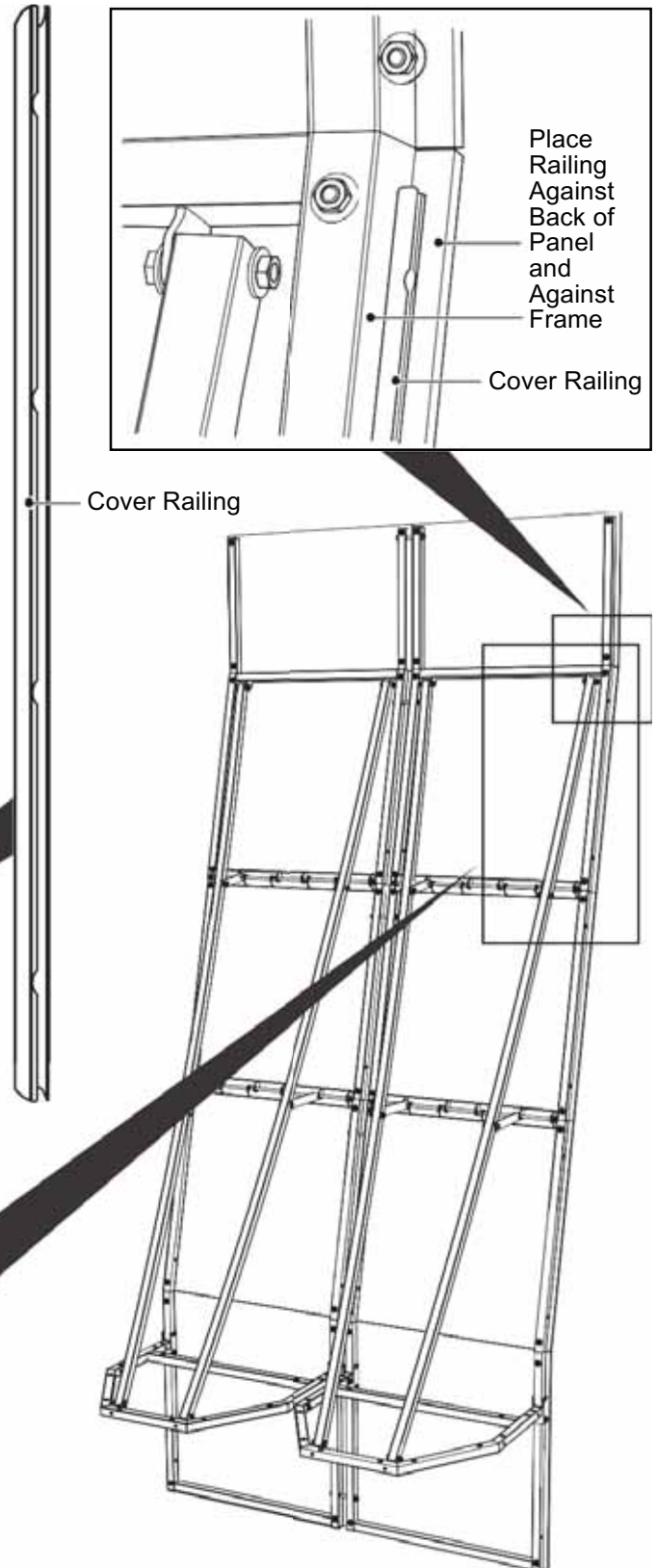
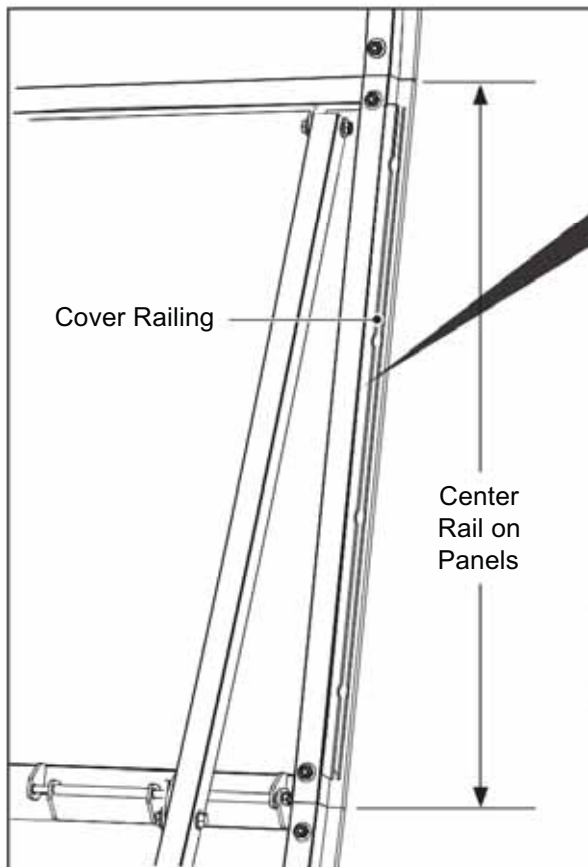


## Installing the Rear Cover

### Attach Cover Railings

First, you will need to attach the cover railings in which the outer edge of the cover will slide into. Only the outer edge of the cover requires these channel pieces as the other edges will attach with Ties.

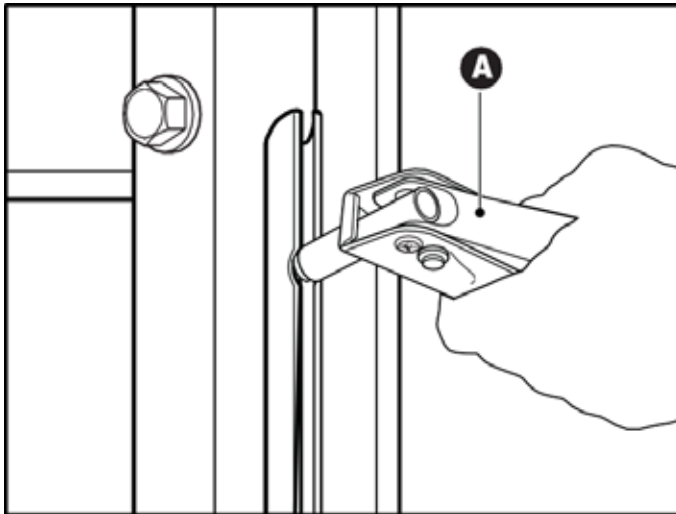
Place the cover railing against the top climbing panel outer frame, centered vertically on the panel and resting against the back of the climbing panel with the opening facing the outer edge.



## Installing the Rear Cover

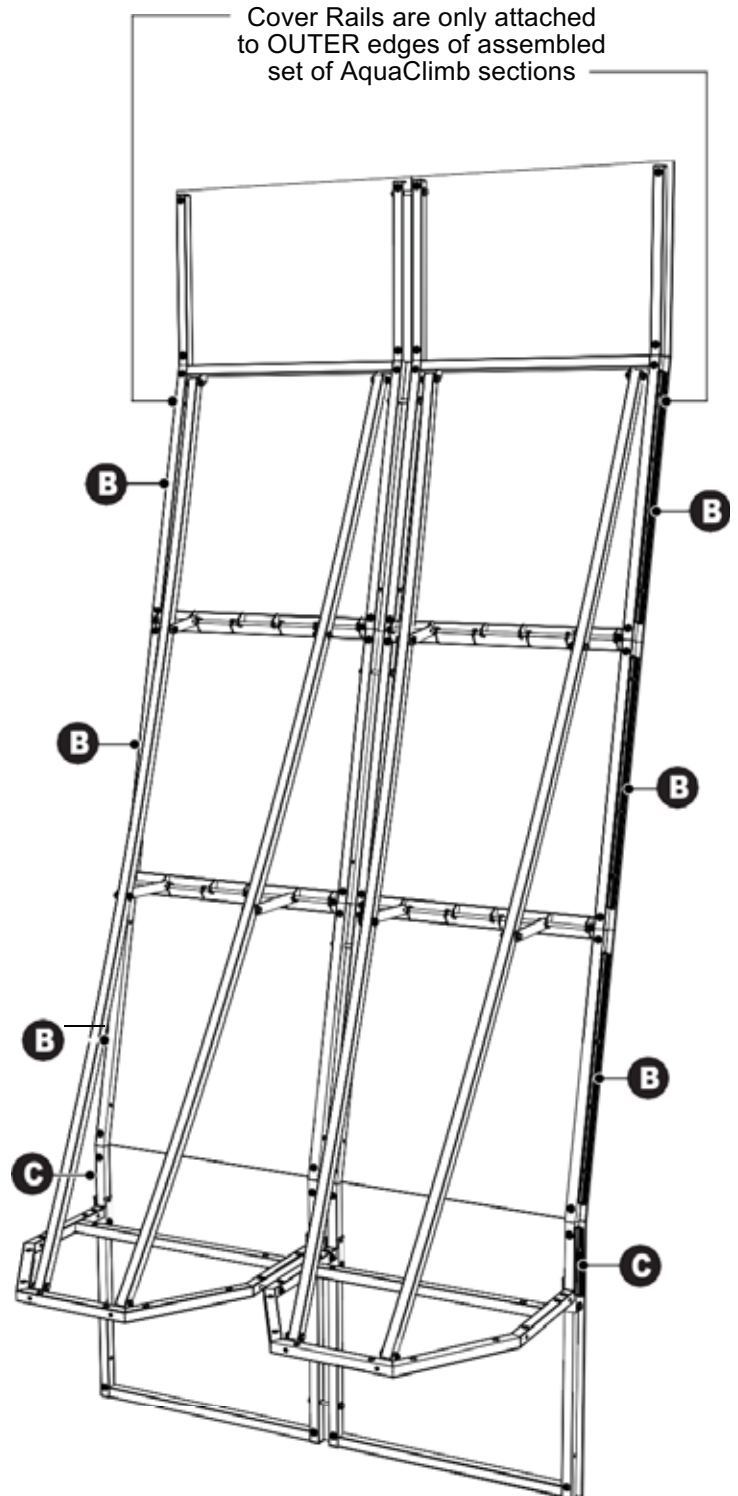
### **Attach Cover Railings (continued)**

Locate the pre drill openings in the cover rail with the pre drilled holes in the steel frame, then secure the rail to the frame using a 1/8" pop rivet **A**.



To eliminate any difficulty in lining up multiple drilled holes between frame and rail, it is best to complete this step for the first rivet in each rail before doing the remainder.

Repeat this process for each climbing panel outer edge **B**. The only difference will be the length of the rail **C** on the bottom panel (the panel that will extend below the waterline). This Cover Rail will not extend below the frame base (level with the surface of the pool deck) and will not extend above the top of this panel.





## Installing the Rear Cover



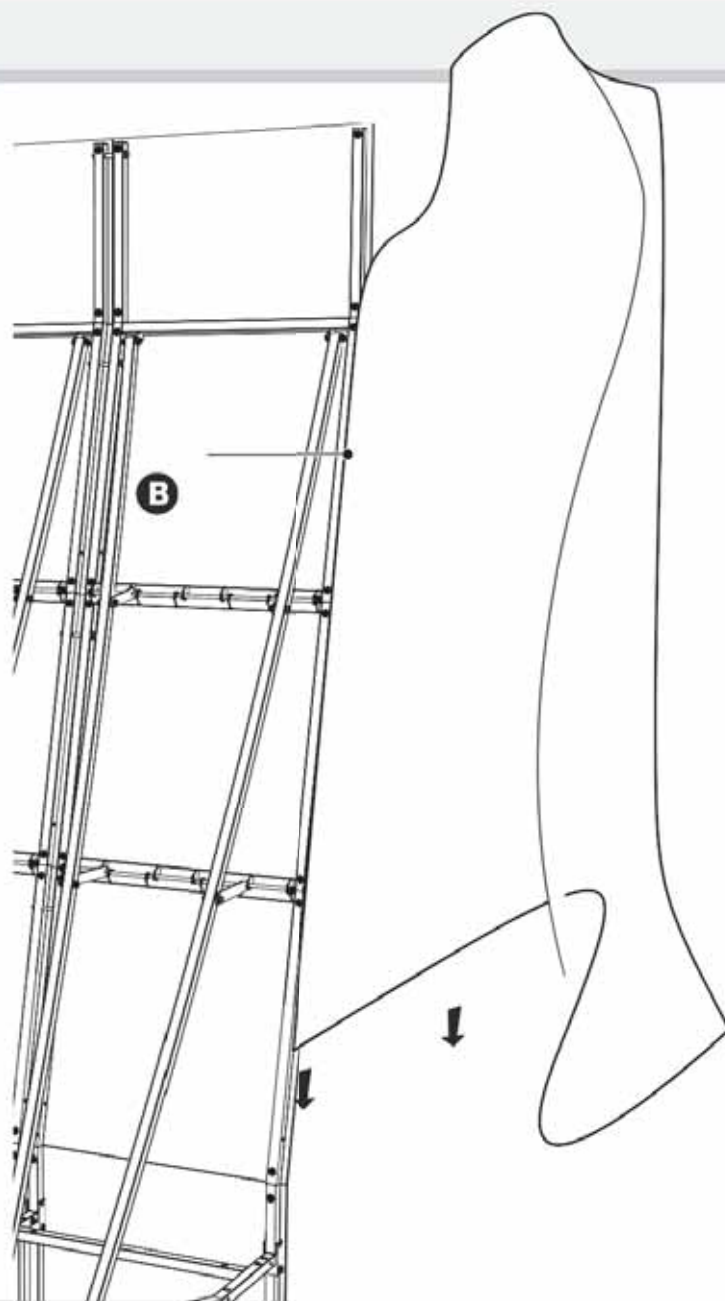
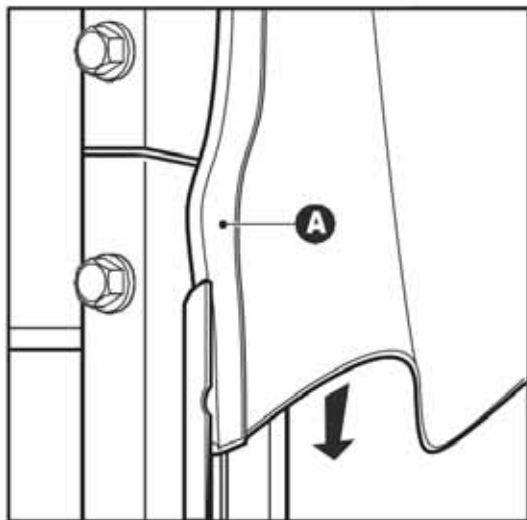
### Secure Cover to Cover Rail

It will be helpful to have an assistant to complete this step more easily.

If you have a model requiring more than one cover (two or more vertical sections) it is important to note that each cover is unique and will **ONLY** fit the vertical section that it was designed for (Refer to Figure 1).

Determine the outside (the side with the printed AquaClimb logo) and the bottom of the fabric cover (Refer to the illustration in Step 12A, page 22).

Slide the white piping edge **A** of the bottom of the cover into the slot at the top of the topmost Cover Rail **B** so that the "logo side" will be facing out. Continue to feed the cover until it fits completely and snugly from top to bottom.




**AQUACLIMB.com**

Size: 4H LHS

DOM: \_\_\_\_\_

QA: \_\_\_\_\_

 **800-956-6692**

LHS = Left Hand Side  
 RHS = Right Hand Side  
 CENTER = Middle  
 (locations are viewed from rear of unit)

Figure 1

Tag sewn on the inside of every cover contains information pertaining to the location each cover is installed.

## Installing the Rear Cover



The remaining attachments for the cover will be accomplished using Zip Ties, grommets in the cover and the existing holes in the frame (except the base, where ties go around the frame). No further drilling will be required.

Start at the bottom of the cover with the grommet closest to the climbing panel **A**. Using supplied Zip Ties, secure cover to frame as shown in figure 1. There are corresponding holes in the frame for each grommet location. Repeat this procedure for all four grommets on the bottom of each cover and four at the top.

The middle inner grommets are different in that they are secured with a bungee strap system. They also differ because instead of routing the Zip Tie around the frame, they wrap around the spacers that are part of the bolt assembly connecting two or more units together between the frames. They also go through the metal ring on the bungee strap, as shown in Figure 2. Tighten the Zip ties for the center sections till the tension has been placed on the bungee cord to ensure the cover has stretched over and frame firmly.

