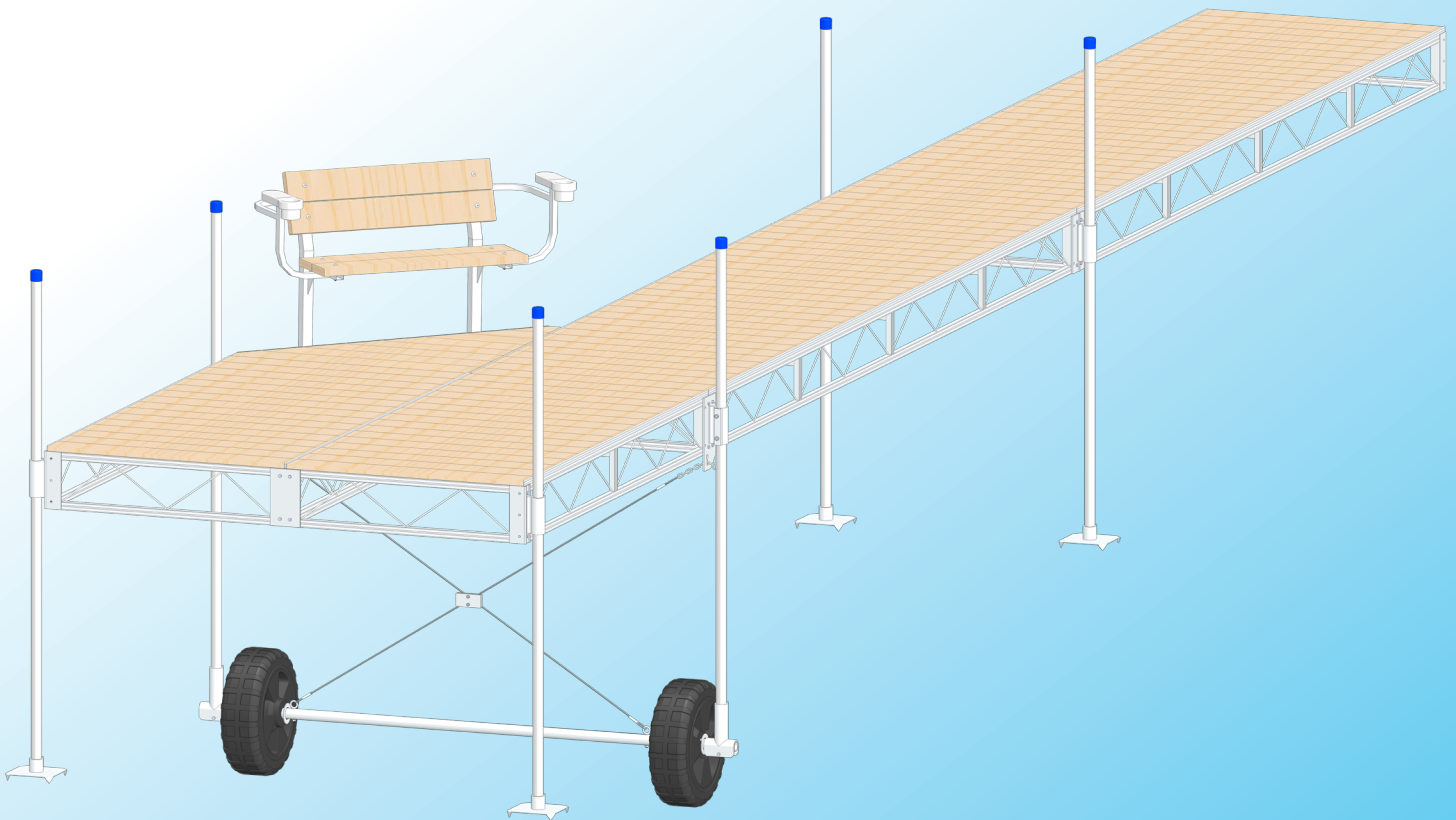


ASSEMBLY INSTRUCTIONS

Roll-in Docks



Operating and Safety Instructions

***DO NOT OPERATE DOCK WITHOUT
STUDYING THE OPERATING AND SAFETY
INSTRUCTIONS FIRST***

1. Be sure to check all the nuts and ensure all hardware is fastened tightly. Check the cable, winch, tires and support posts to ensure that they are all in operating condition. Be sure to check these points yearly.
2. When operating the winch, never let go of the winch handle. NEVER ATTEMPT TO STOP THE HANDLE IF IT DOES SPIN UNCONTROLLABLY.
3. Ensure that all set screws are tightened tightly to ensure that the posts do not slip. However be careful not to tighten the set screws too tight as to where they make indents on the support posts.
4. Never overload the number of people and weight on the dock at any given time. This is to avoid injury and damage to property.
5. When adjusting the height of the dock while on the water, ensure that no one is on the dock.
6. If there is resistance while raising or lowering the dock, it is more than likely due to the posts binding in the brackets. If this occurs, stop winching and go the opposite direction than before until the bind is free.
7. For yearly maintenance be sure to grease the moving parts of the winch.
8. When the winch is not in use, place in storage. This is to prevent injury, damage to the winch, or theft.
9. NEVER lower the winch to where there is less than three spins of cable. **This is to ensure that the cable will not slip out, causing the dock to fall.**

Tools Required

- Pair of $\frac{9}{16}$ " Wrenches
- Pair of $\frac{3}{4}$ " Wrenches
- $\frac{1}{2}$ " Wrench
- $\frac{7}{16}$ " Wrench

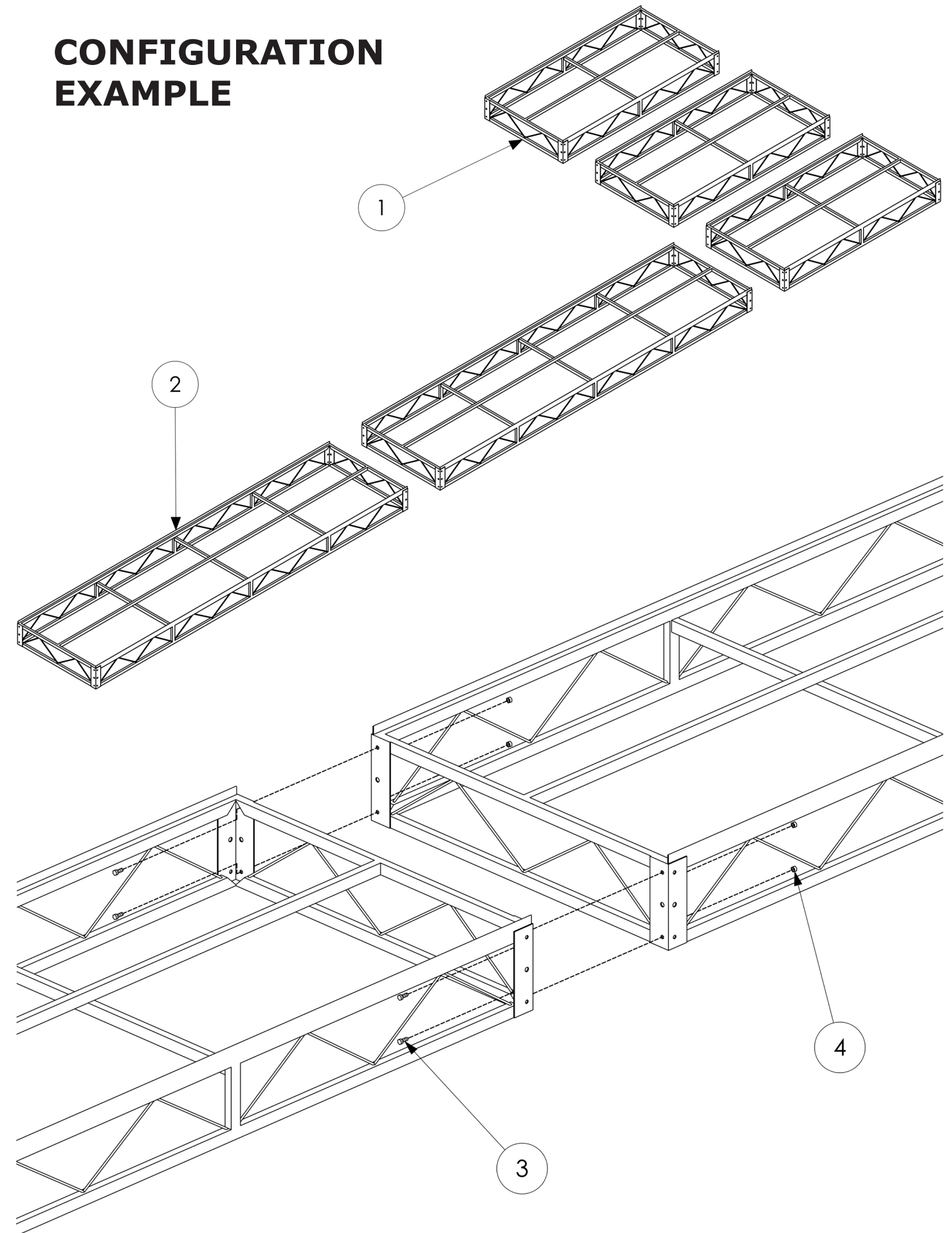
Procedure 1A

(STEP 1) Lay the 4' x 8', 4' x 12', or 4' x 16' sections (depending on the length & configuration of the dock) on the ground in the orientation desired.

(STEP 2) Using a PAIR OF 9/16" WRENCHES, bolt the sections together as shown in the second figure using four 3/8" x 1" bolts (item #2) and four 3/8" nuts (item #3) per section.

ITEM NUMBER	PART NUMBER	QUANTITY
1	4' x 8' Dock Section	VARIES
2	4' x 16' Dock Section	VARIES
3	3/8" x 1" Bolt	4 per section
4	3/8" Nut	4 per section

CONFIGURATION EXAMPLE



Procedure 1B

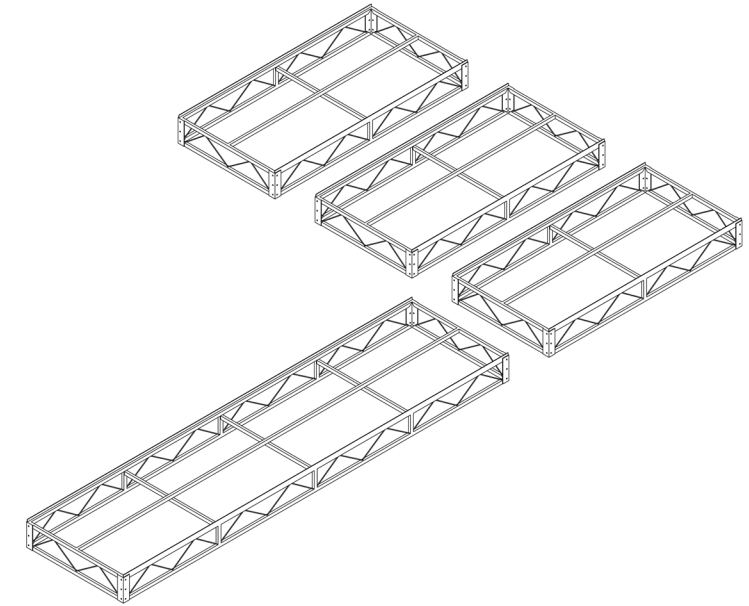
(8' x 12' Deck) Lay the 4' x 8' dock sections on the ground in the orientation shown in the figure. *SEE PAGE #30*

(4' x 12' L Deck) Lay the 4' x 8' dock sections on the ground in the orientation shown in the figure. *SEE PAGE #32*

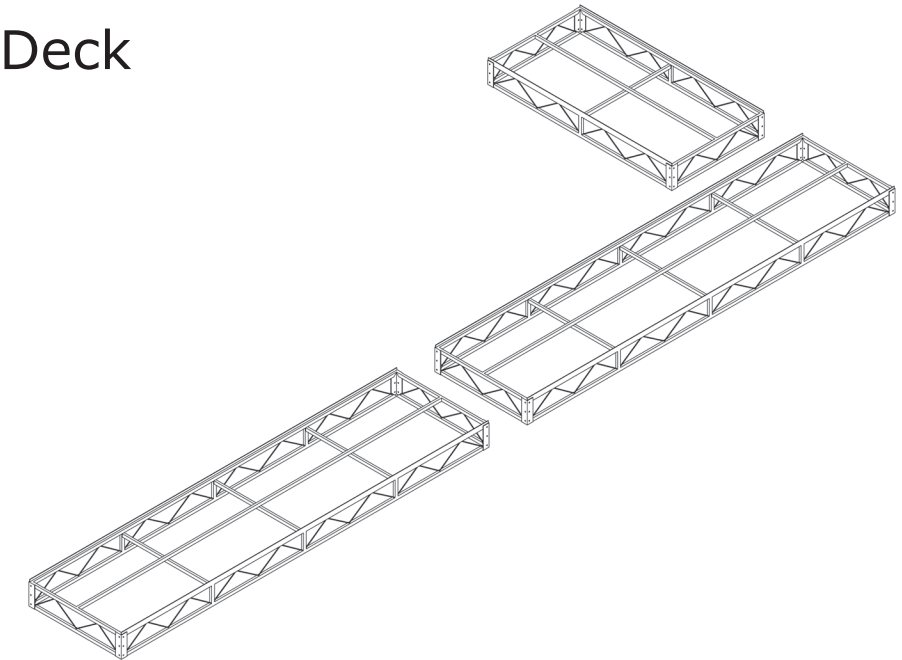
(4' x 8' T Deck) Lay the 4' x 8' dock sections on the ground in the orientation shown in the figure. *SEE PAGE #34*

SEE ***DOCK CONFIGURATIONS*** SECTION IN THE REAR OF THE BOOKLET FOR THE ASSEMBLY OF DESIRED CONFIGURATION

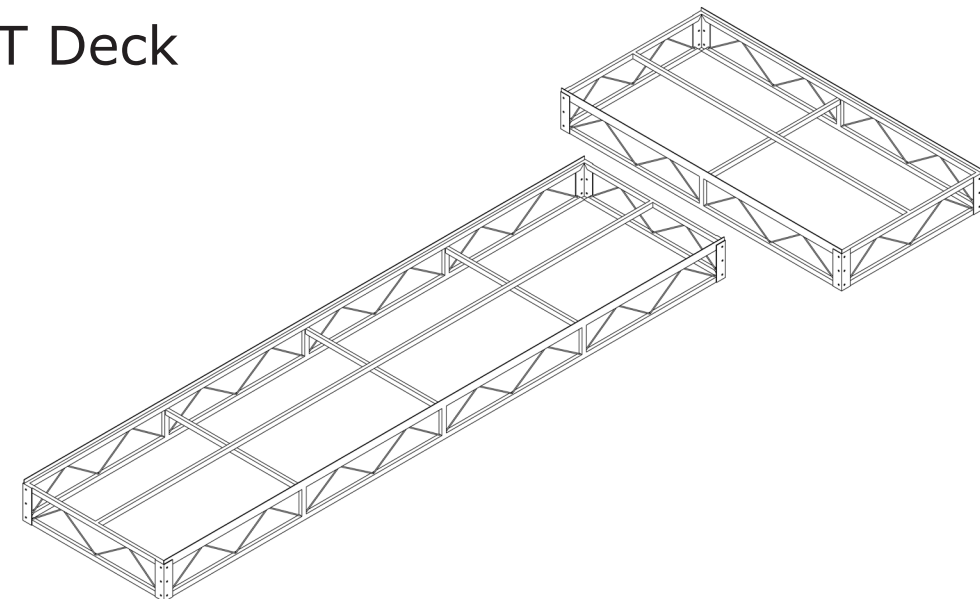
8' x 12' Deck



4' x 12' L Deck



4' x 8' T Deck



Procedure 2

Wheel Kits

Now you may begin bolting on the wheel kits.

For a **STRAIGHT DOCK**, the wheel kit will be installed at the front of the dock.

NOTE: STRAIGHT DOCK WHEELS REST OUTSIDE OF THE POSTS

SEE PROCEDURE 2A

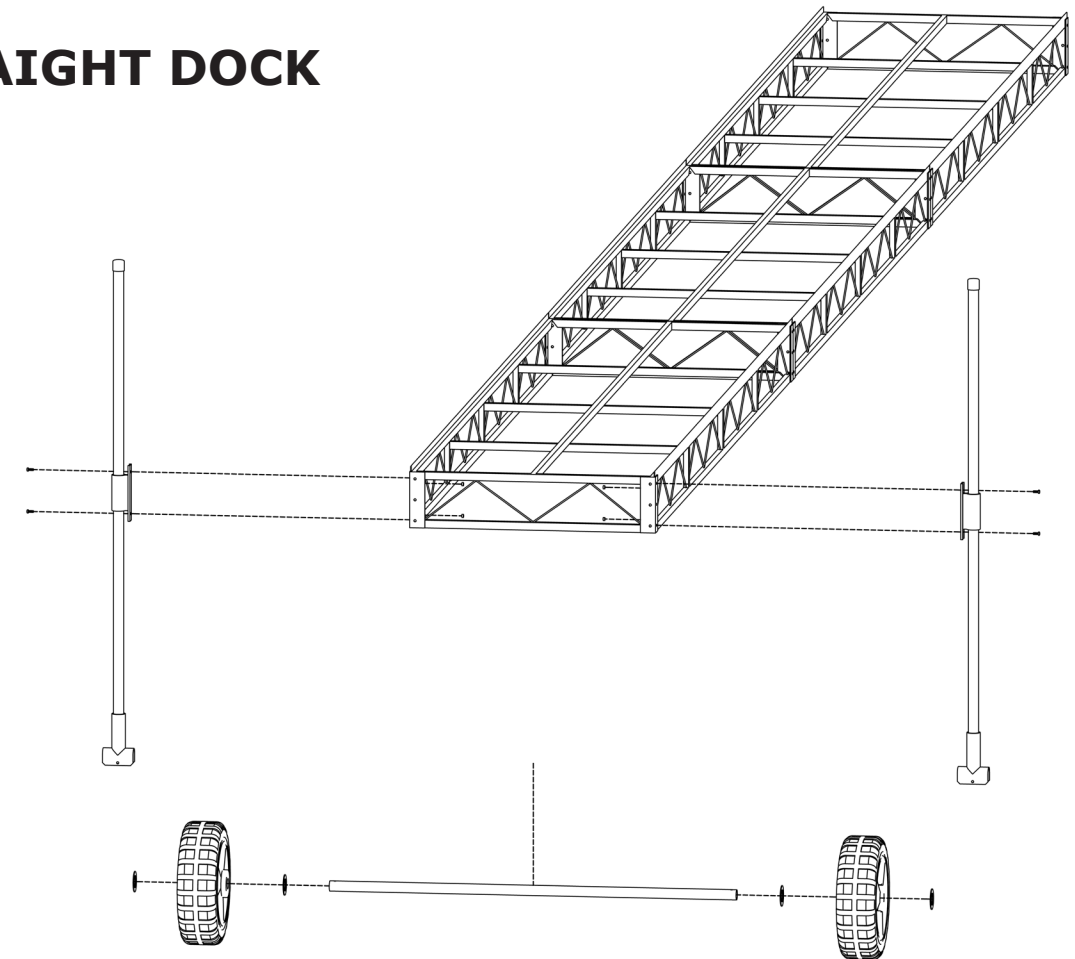
For a **PATIO DOCK**, the wheel kit will be installed where the patio meets the straight section.

At this point you may also bolt on the front plate at the conjunction of the deck frames.

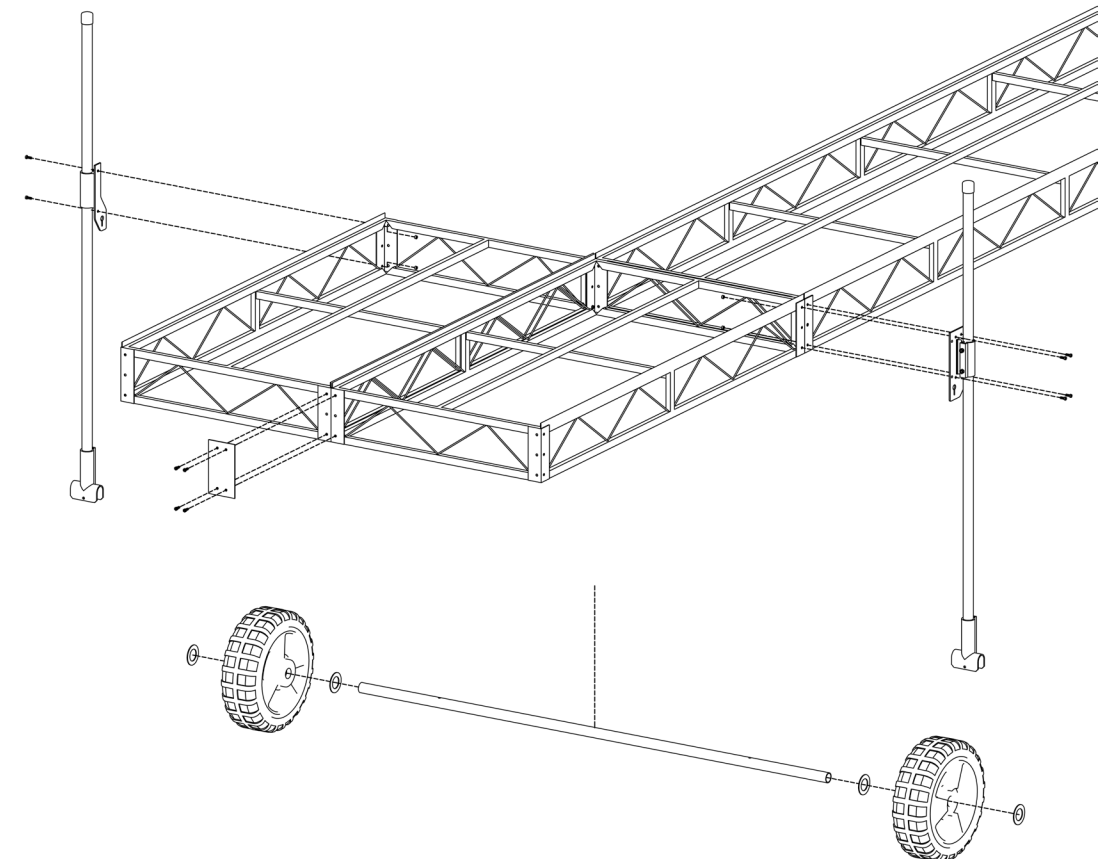
NOTE: PATIO DOCK WHEELS REST INSIDE OF THE POSTS

SEE PROCEDURE 2B

STRAIGHT DOCK



PATIO DOCK

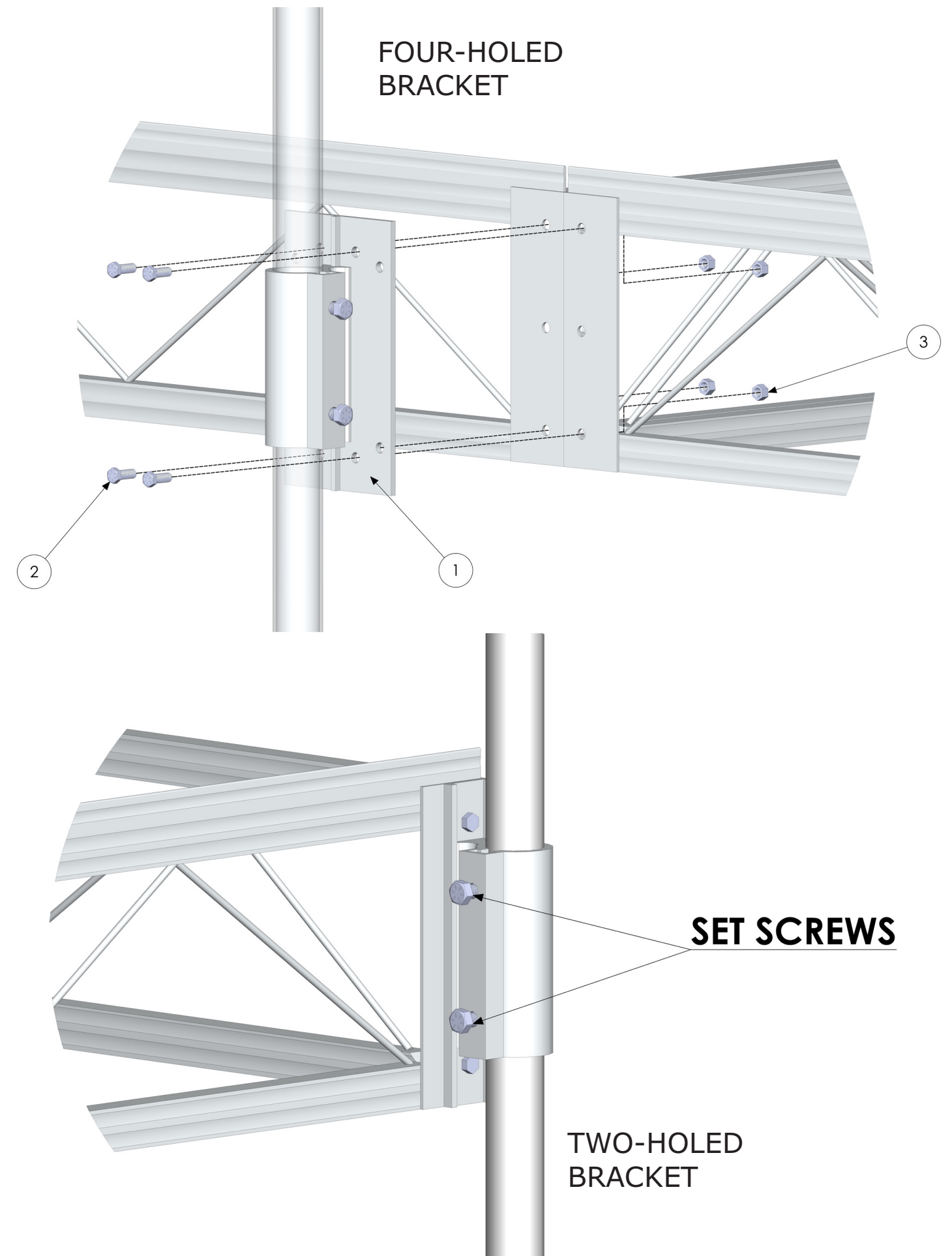


Procedure 2 Cont.

(STEP 3) Once the dock sections are assembled and fastened together, at the conjunction of the two frames begin bolting on the four-holed aluminum post brackets with posts (*item #1*) using four $\frac{3}{8}$ " x 1" bolts (*item #2*) and four $\frac{3}{8}$ " nuts (*item #3*) per plate.

Attach posts at the corners of your dock using the two-holed post brackets.

(STEP 4) When you've adjusted the wheel kits to the desired height, you can TIGHTEN THE SET SCREWS on the post brackets USING A $\frac{3}{4}$ " WRENCH to hold the wheel kits in place.



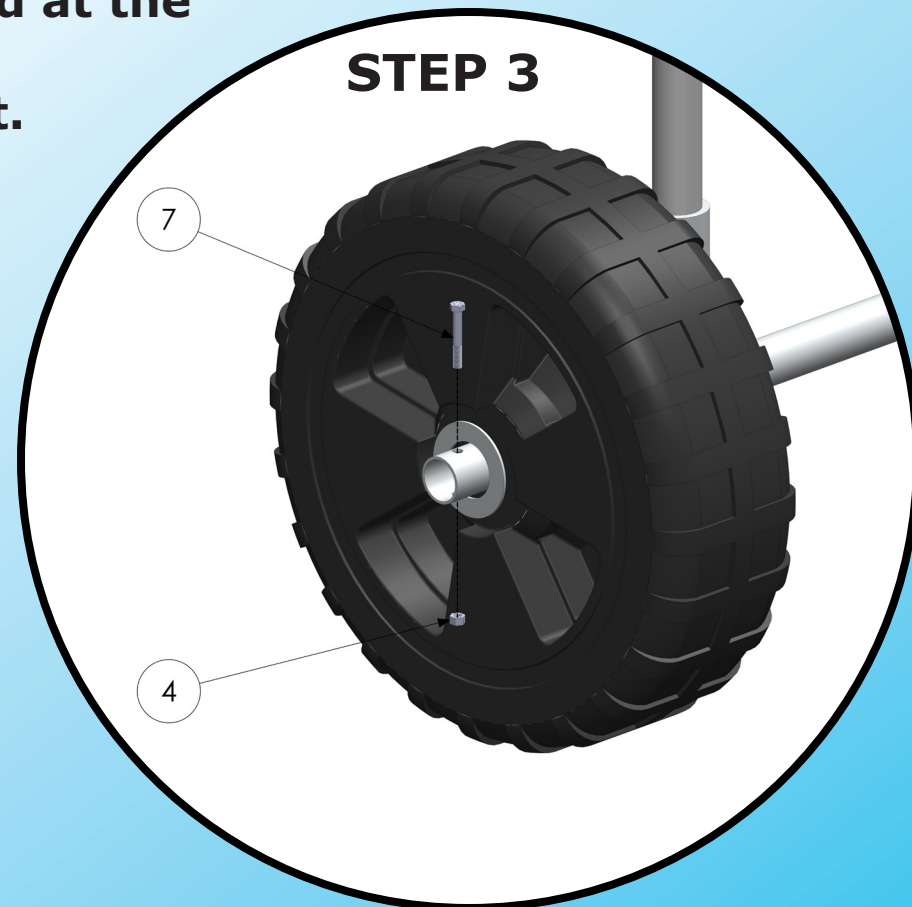
ITEM NUMBER	PART NUMBER	QUANTITY
1	Four-Holed Aluminum Post Bracket with Post	VARIES
2	$\frac{3}{8}$ " x 1" Bolt	4 Per Plate
3	$\frac{3}{8}$ " Nut	4 Per Plate

Procedure 2A Straight Dock Wheel Kit

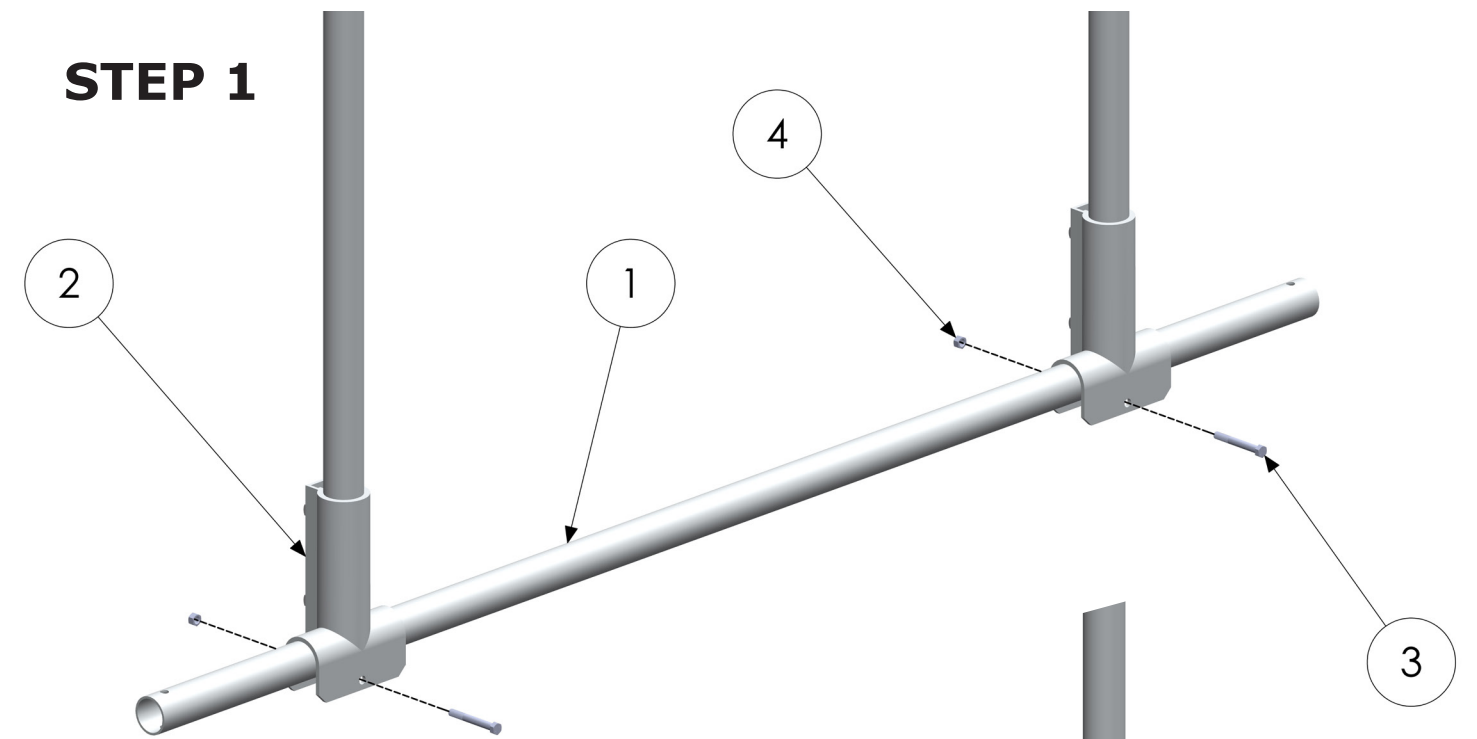
(STEP 1) Now slide the wheel kit axle (*item #1*) onto the wheel kit saddle brackets (*item #2*). Ensure an equal amount of distance extruding from each side of the dock and fasten in place by inserting two $\frac{3}{8}$ " x 3" bolts (*item #3*) through the holes in the saddle brackets and tighten using two $\frac{3}{8}$ " nuts (*item #4*).

(STEP 2) Now slide the wheels (*item #5*) onto the axle along with a wheel washer (*item #6*) on each side.

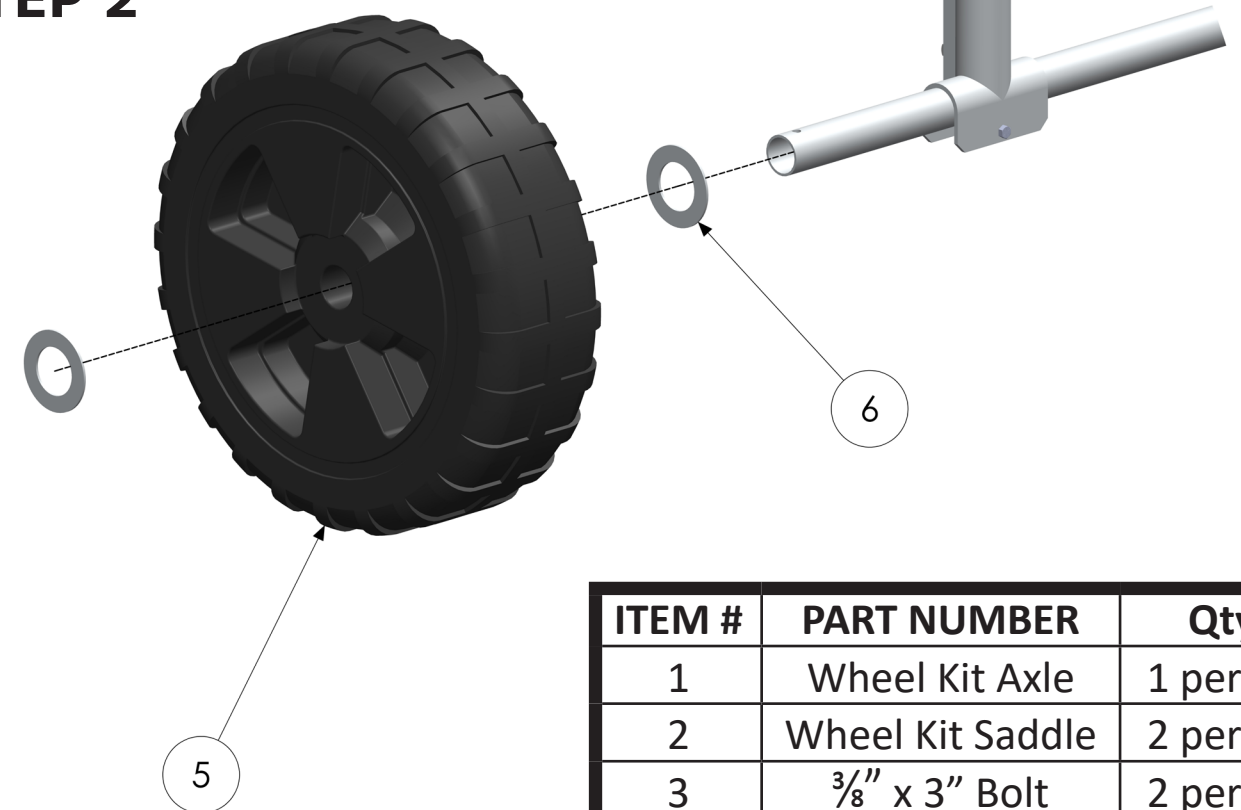
(STEP 3) Insert the $\frac{3}{8}$ " x 2 $\frac{1}{2}$ " bolts (*item #7*) into the holes located at the end of the axle and fasten with a $\frac{3}{8}$ " nut.



STEP 1



STEP 2



ITEM #	PART NUMBER	Qty.
1	Wheel Kit Axle	1 per set
2	Wheel Kit Saddle	2 per set
3	$\frac{3}{8}$ " x 3" Bolt	2 per set
4	$\frac{3}{8}$ " Nut	4 per set
5	Wheel	2 per set
6	Wheel Washer	4 per set
7	$\frac{3}{8}$ " x 2 $\frac{1}{2}$ " Bolt	2 per set

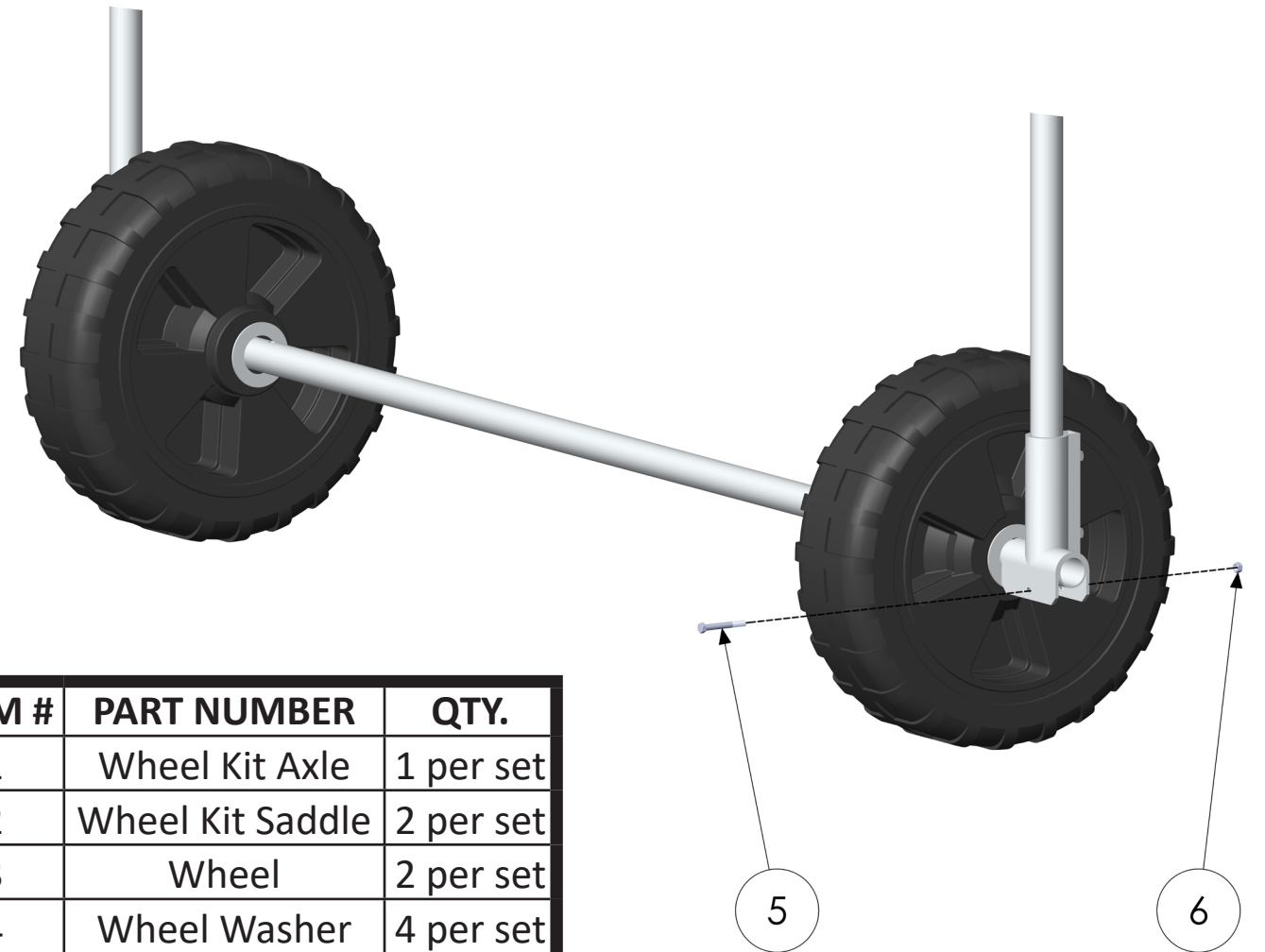
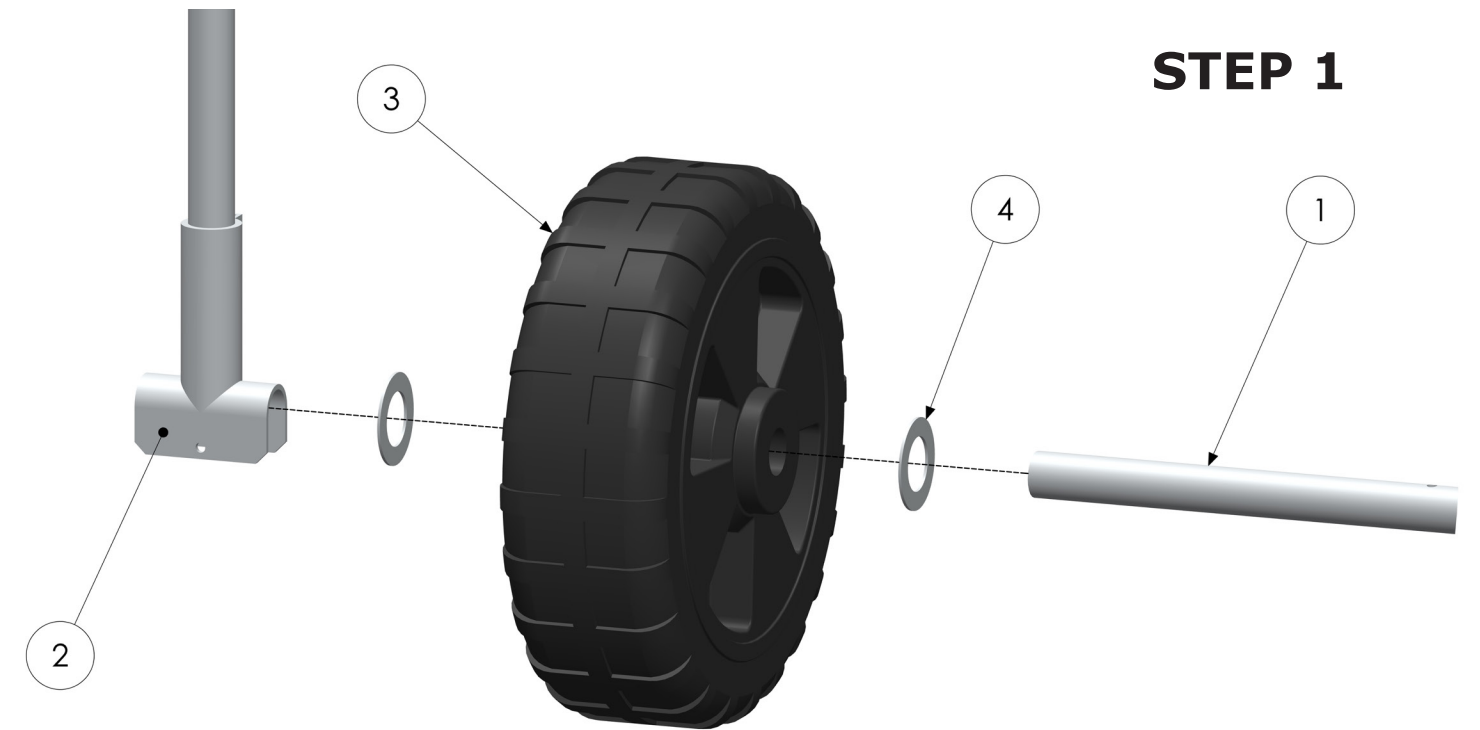
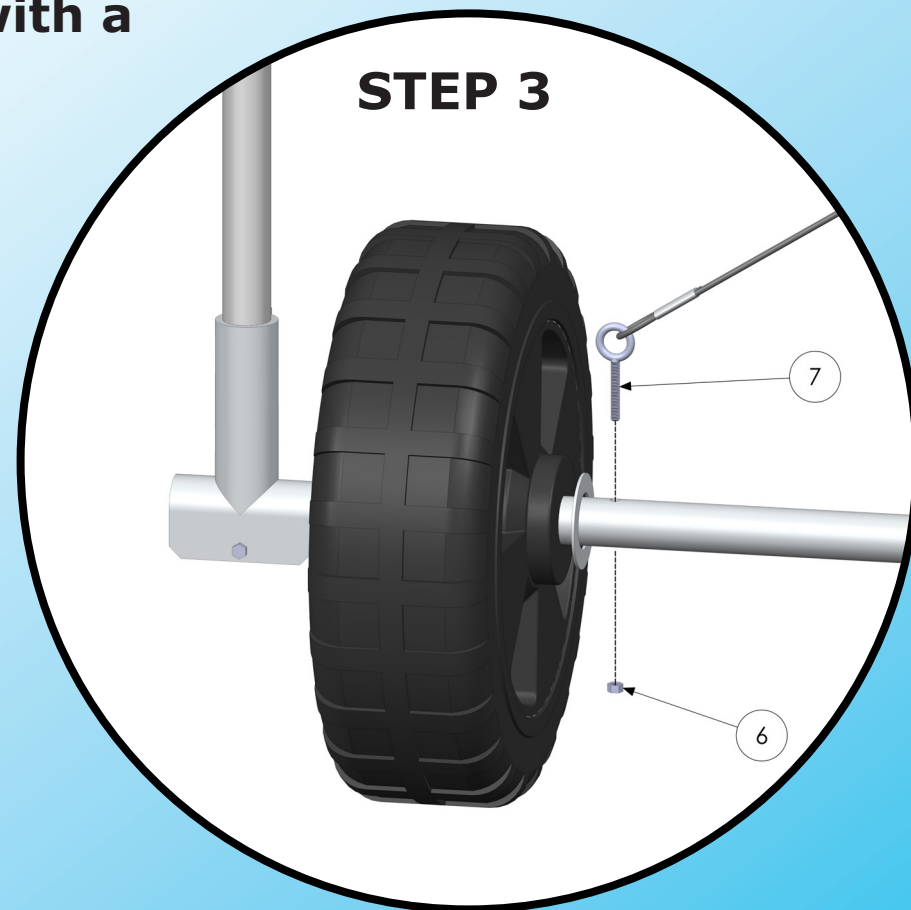
Procedure 2B

"Patio" and "L" Dock Wheel Kit

(STEP 1) Slide the wheel kit axle (*item #1*) onto the wheel kit saddle bracket (*item #2*) along with the wheel (*item #3*) accompanied by wheel washers (*item #4*) on both sides.

(STEP 2) Secure the axle to the saddle bracket using a $\frac{3}{8}$ " x 3" bolt (*item #5*) and $\frac{3}{8}$ " nut (*item #6*).

(STEP 3) Insert the eyebolts (*item #7*) with the cable and chain attached through the hole in the dock axle. Fasten with a $\frac{3}{8}$ " nut and tighten all hardware.



ITEM #	PART NUMBER	QTY.
1	Wheel Kit Axle	1 per set
2	Wheel Kit Saddle	2 per set
3	Wheel	2 per set
4	Wheel Washer	4 per set
5	$\frac{3}{8}$ " x 3" Bolt	2 per set
6	$\frac{3}{8}$ " Nut	4 per set
7	Eyebolt	2 per set

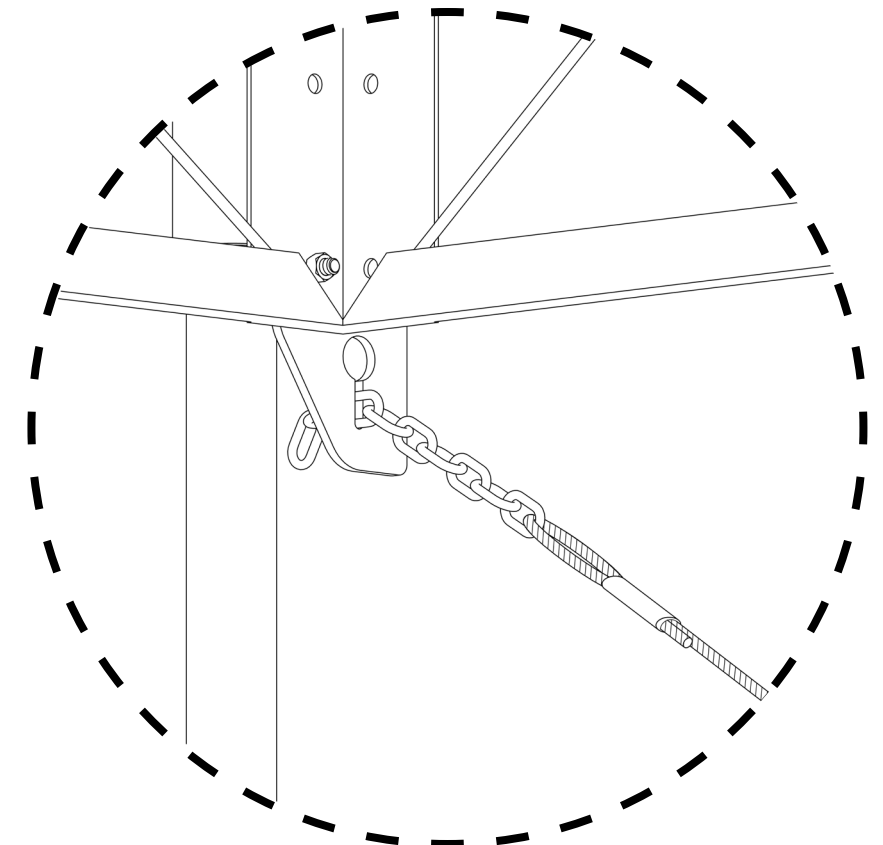
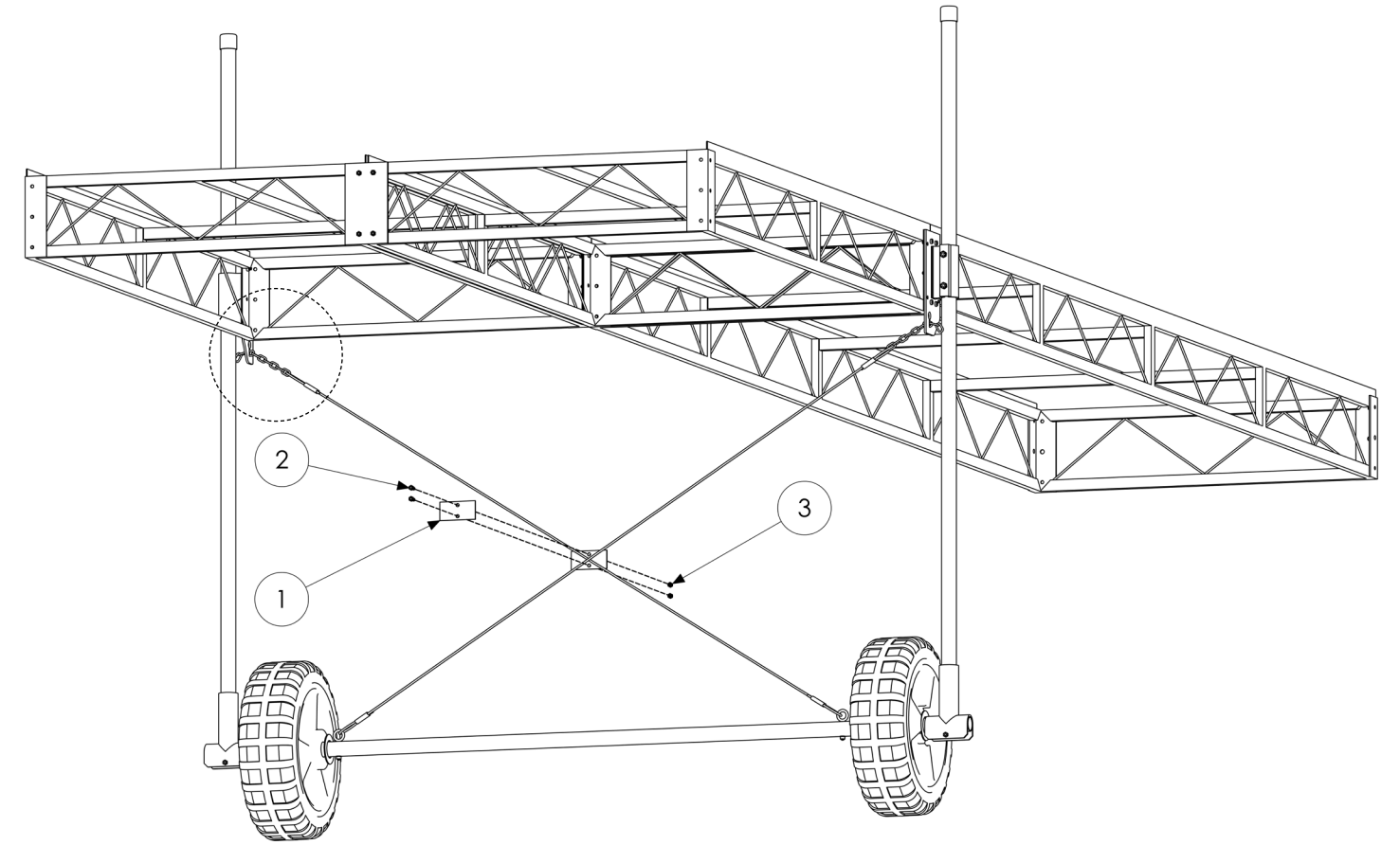
STEP 2

Procedure 2B Cont.

"Patio" and "L" Dock Wheel Kit

(STEP 4) Take the end of the cable with the chain and pull it tight, then slide a link of the chain into the keyhole slot on the post bracket at the opposite end of the dock.

(STEP 5) Bolt the x-brace plates (*item #1*) in the middle of the patio where the cables cross each other using two $\frac{3}{8}$ " x 1" bolts (*item #2*) and two $\frac{3}{8}$ " nuts (*item #3*).

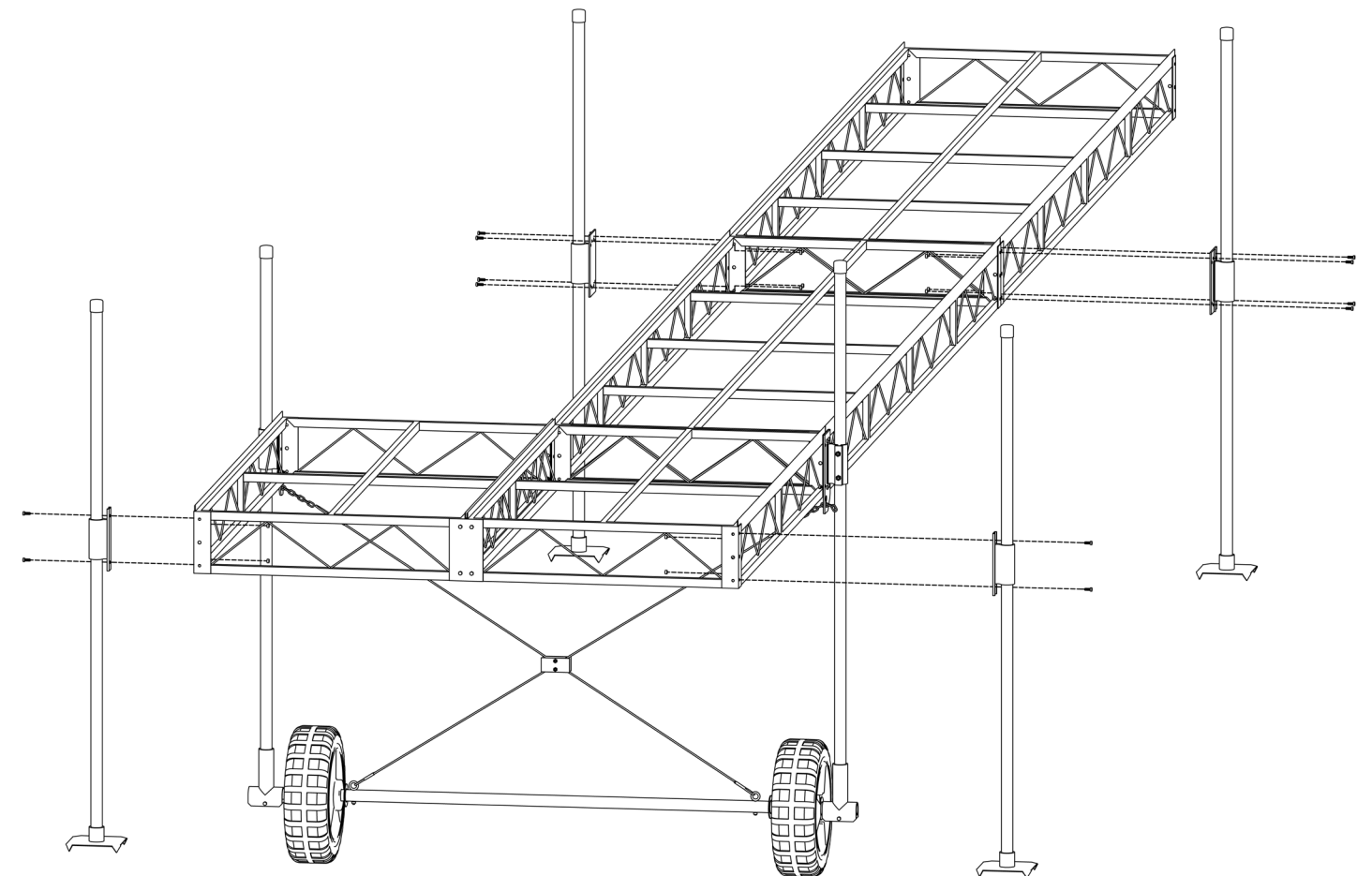
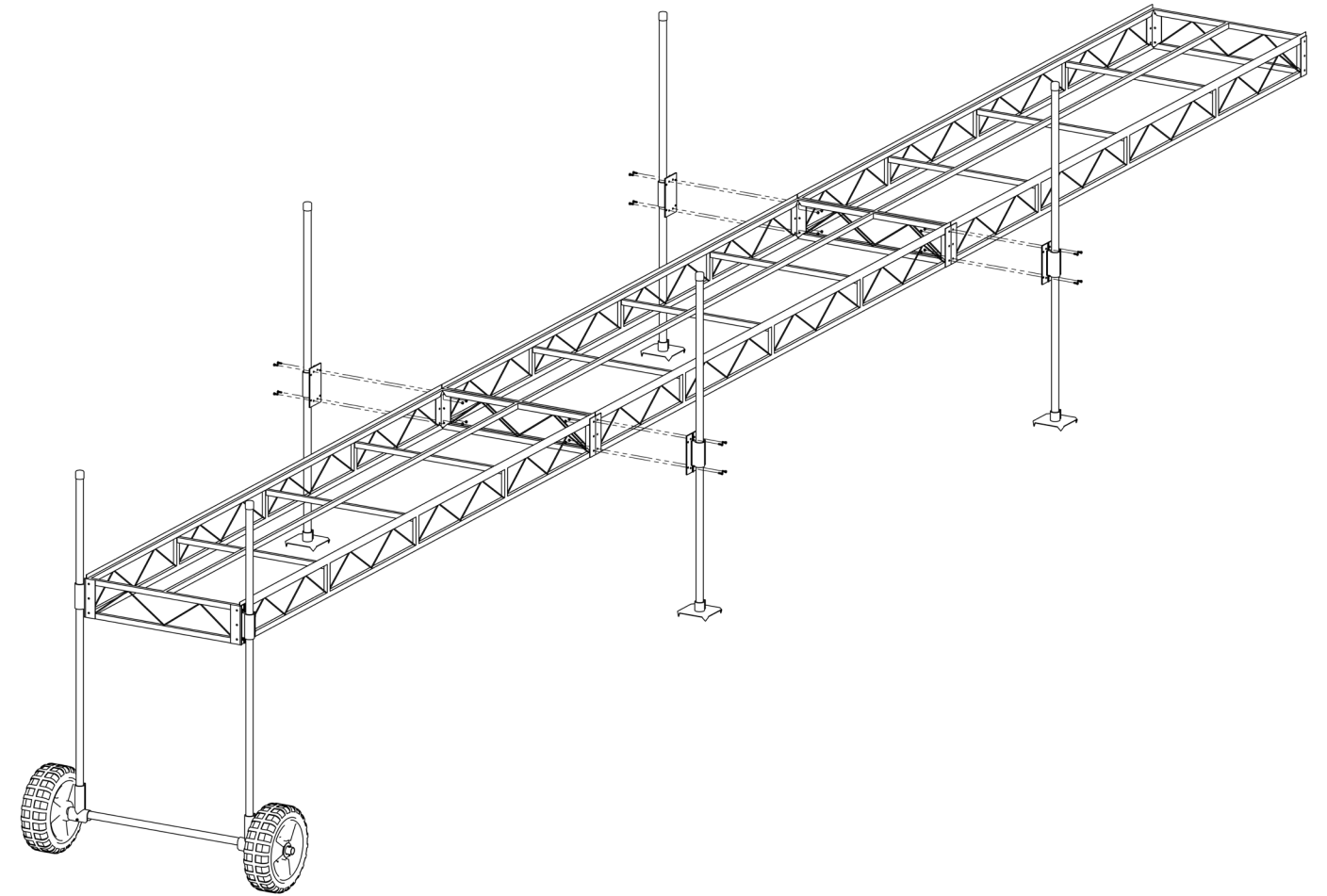


ITEM #	PART NUMBER	Qty.
1	X-Brace Plate	2
2	$\frac{3}{8}$ " x 1" Bolt	2
3	$\frac{3}{8}$ " Nut	2

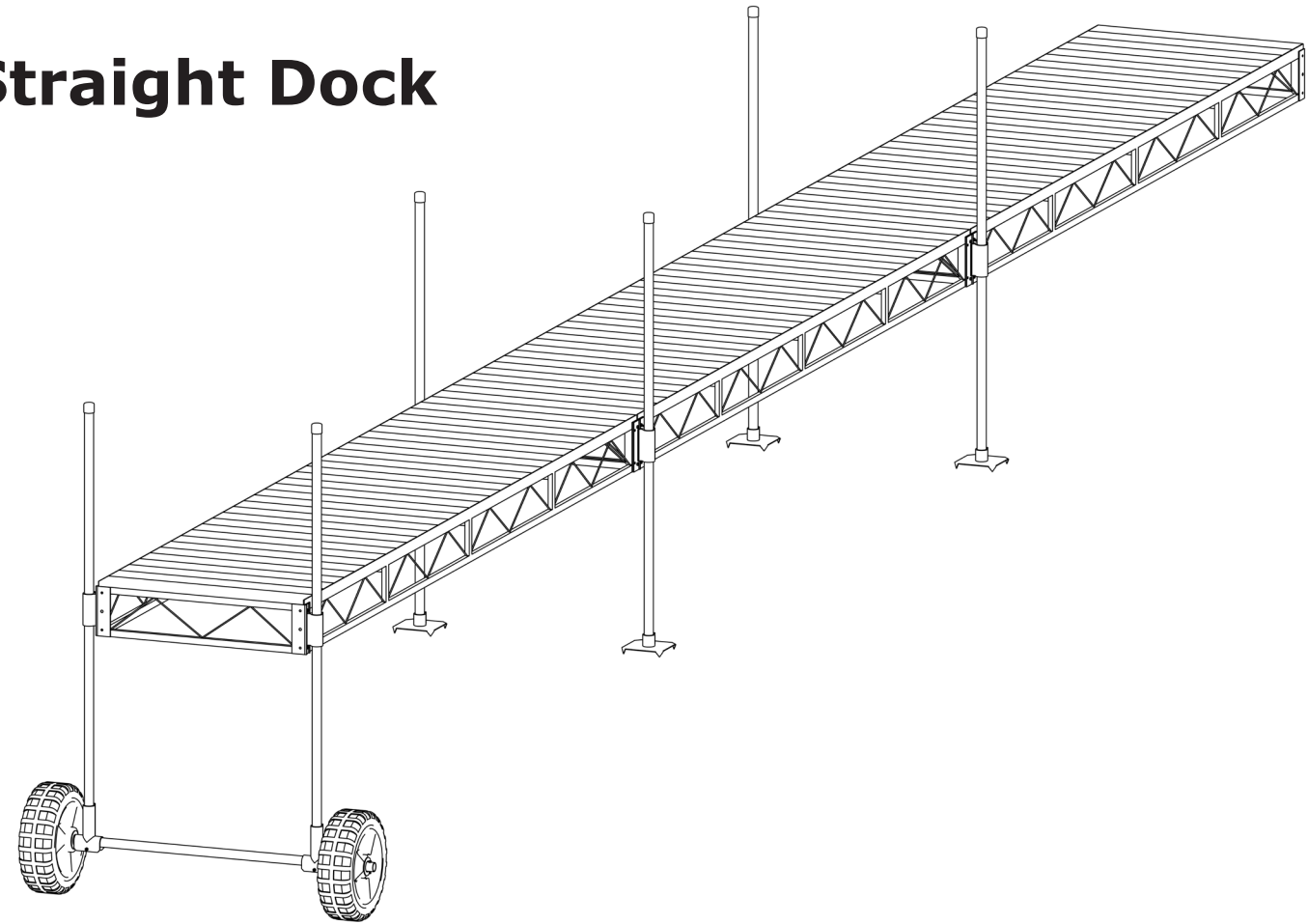
Procedure 3

(STEP 1) Now bolt on the dock posts with pads to the remaining frame conjunctions utilizing the four-holed post brackets. Attach posts at the dock corners with the two-holed post brackets.

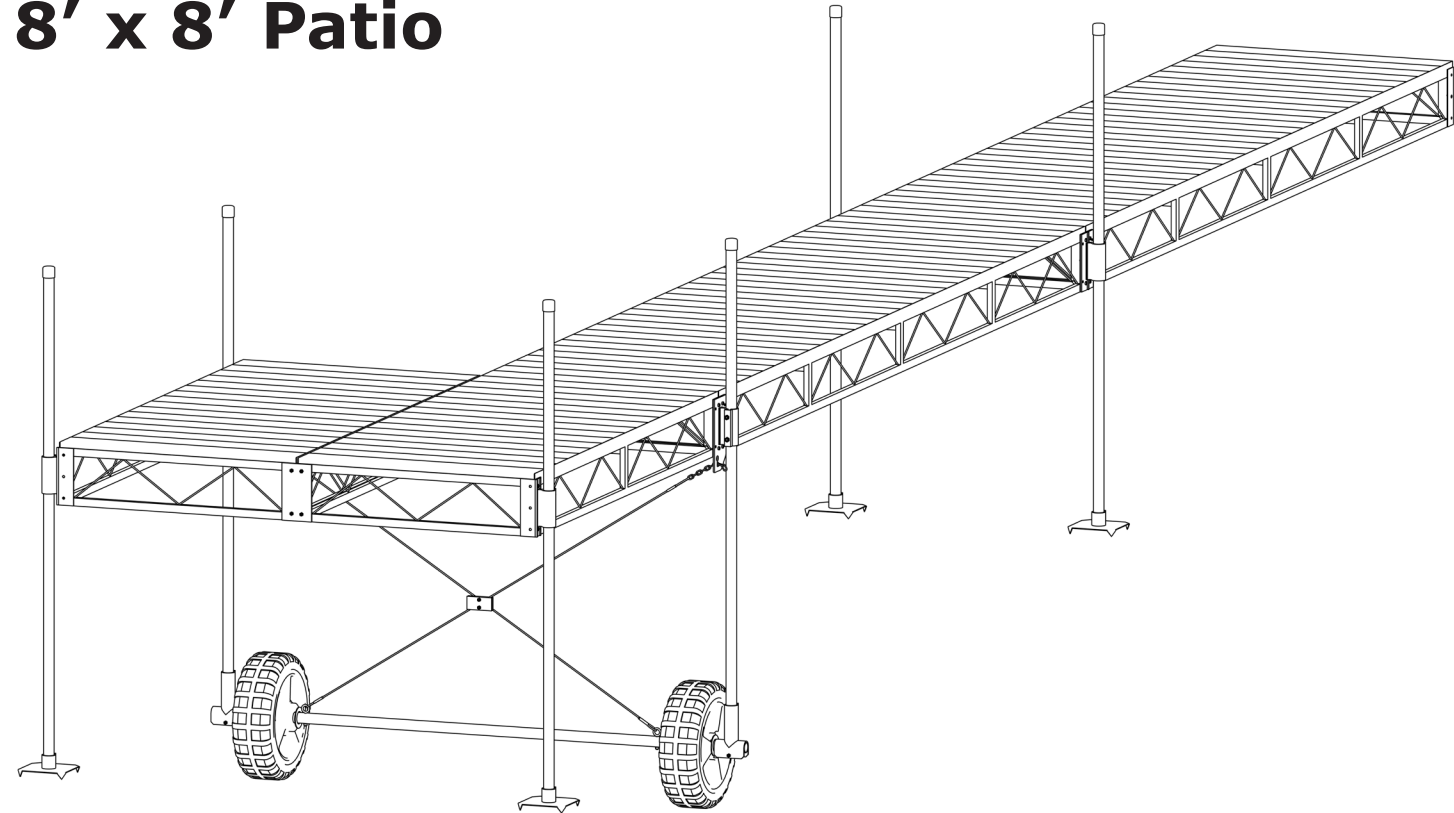
(STEP 2) Raise the posts with pads so they rest above the wheel kits, and tighten one of the set screws on the post bracket to hold the posts in place - these will be adjusted once the dock is in the water.



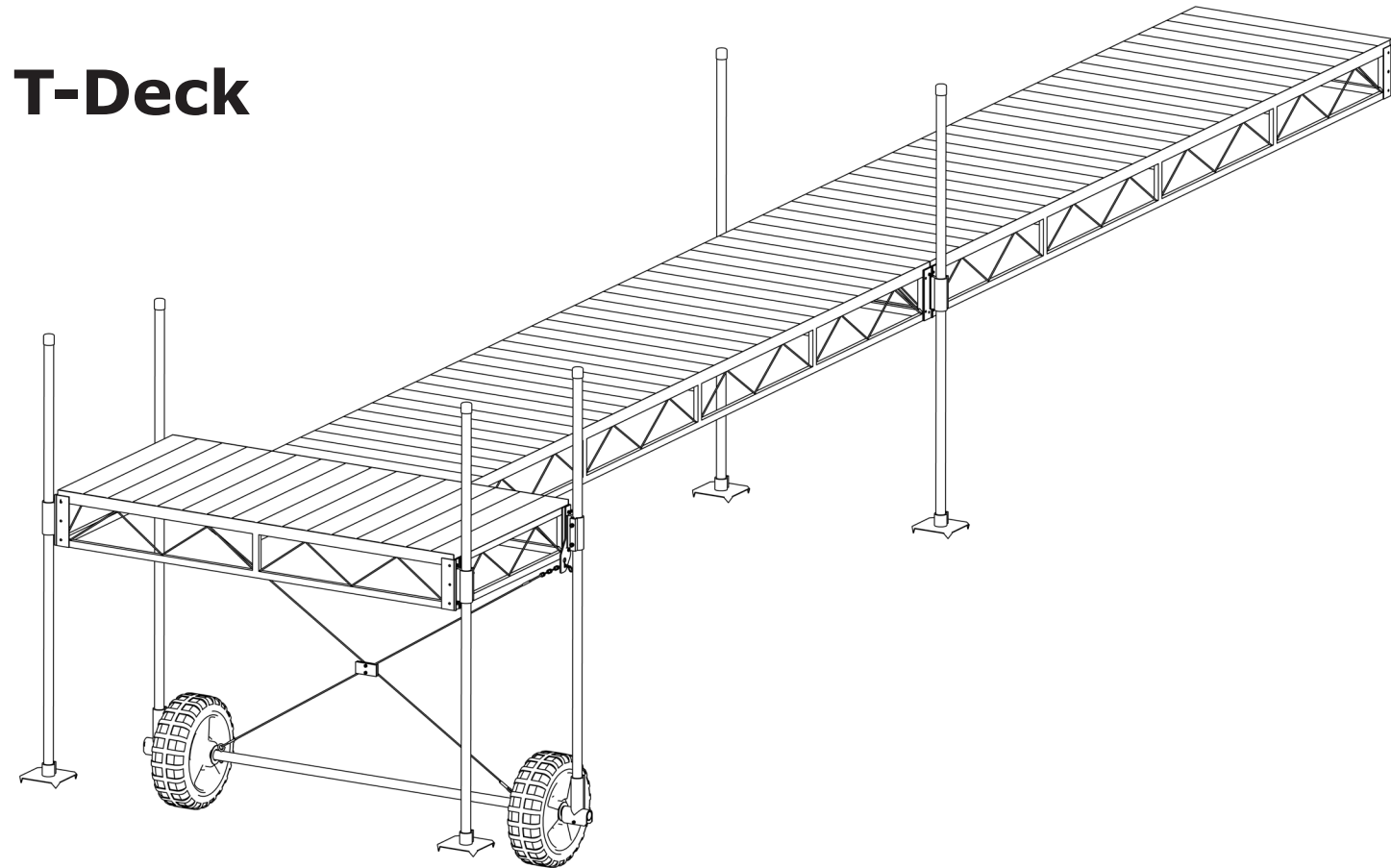
Straight Dock



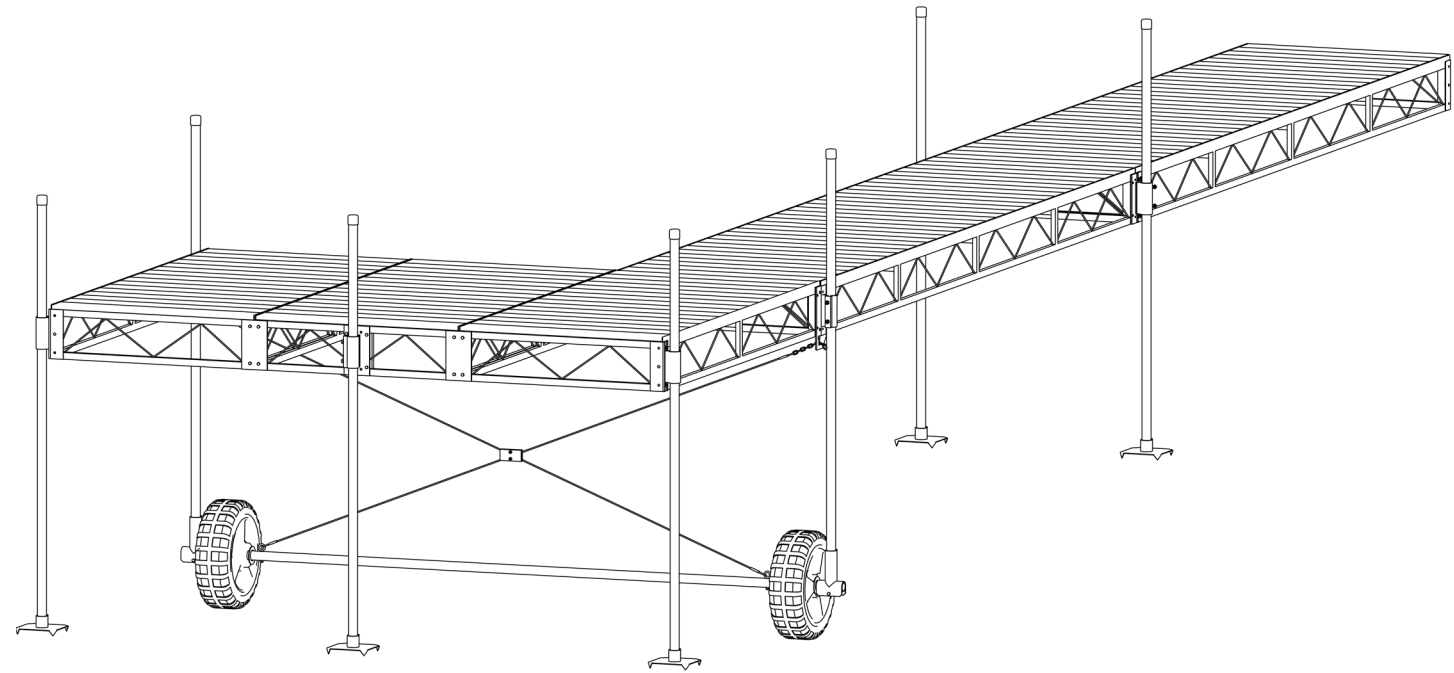
8' x 8' Patio



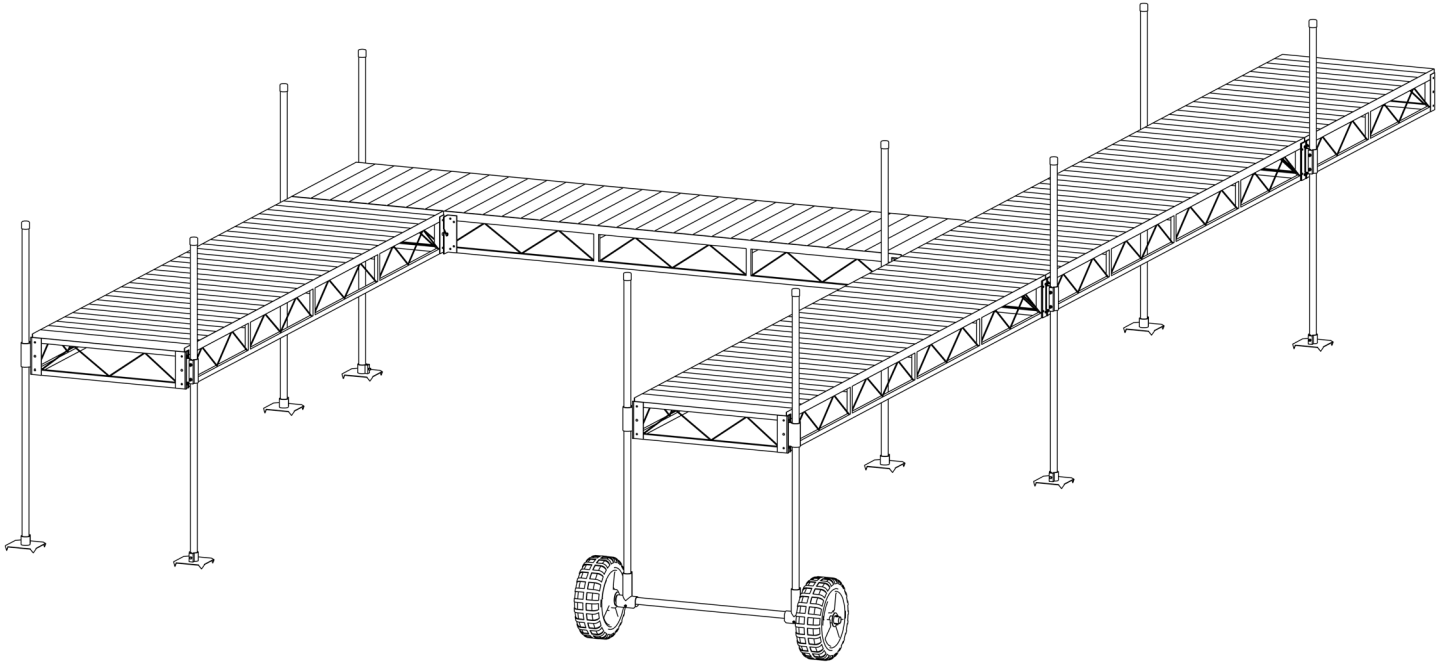
T-Deck



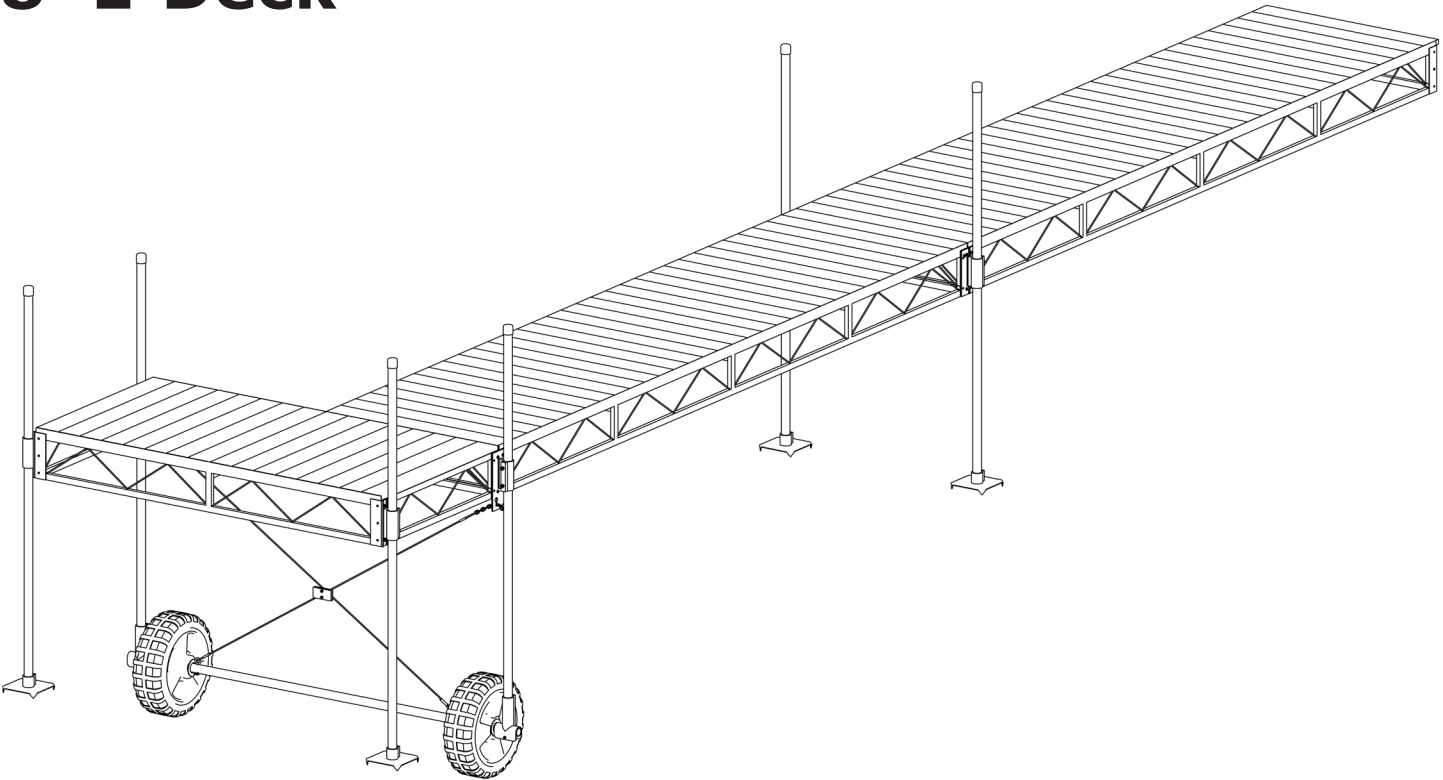
8' x 12' Patio



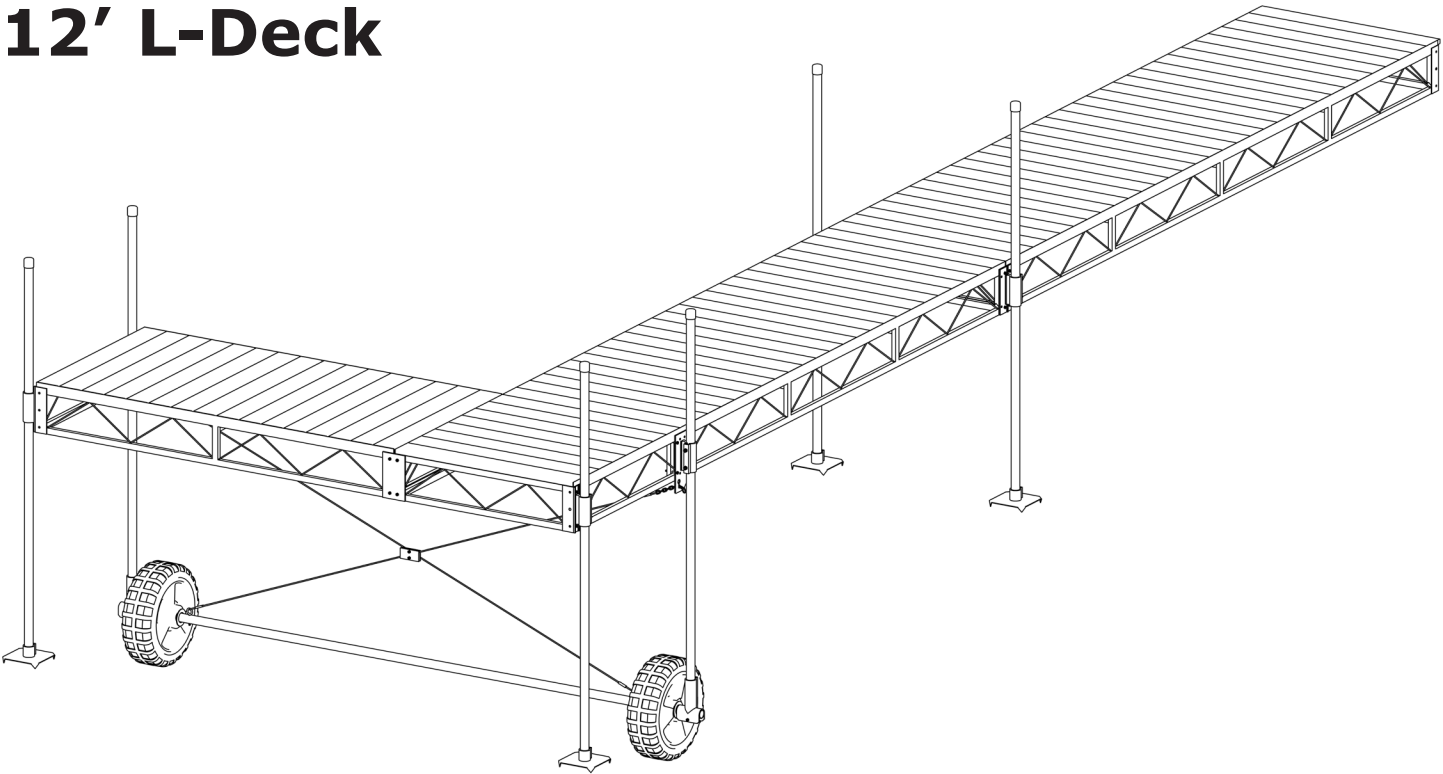
U-Dock



8' L-Deck



12' L-Deck

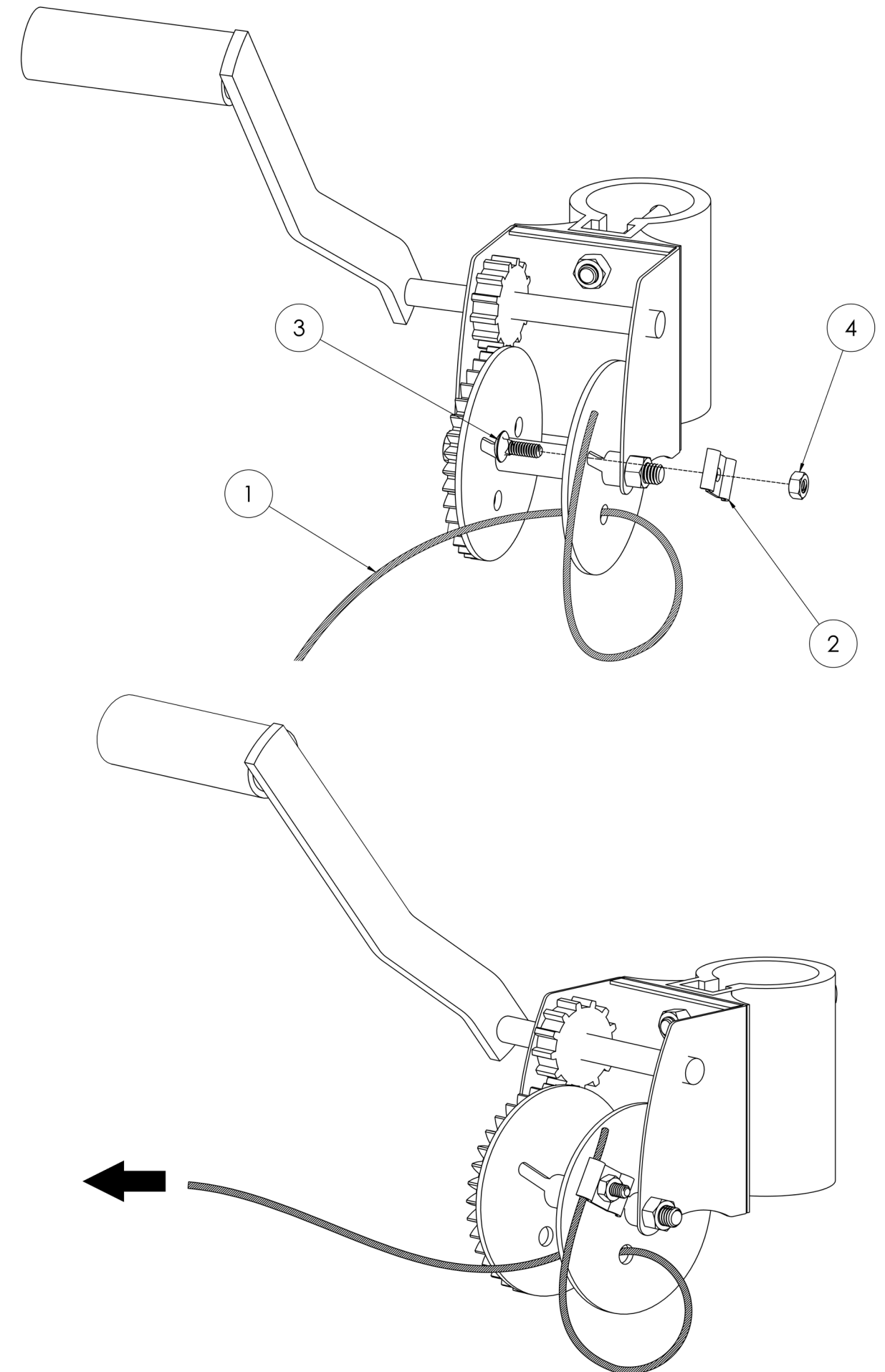


Procedure 4 **Dock Winch & Cables**

(STEP 9) Run the dock cable (*item #1*) through the hole in the side of the winch drum, loop it around and fasten down with the dock winch clamp (*item #2*) as shown in the figure. Insert the carriage bolt (*item #3*) through the slot in the winch drum and clamp the cable securely using the clamp and a 1/4" nut (*item #4*).

When the cable is tightened down, pull out the excess cable to remove slack.

ITEM NUMBER	PART NUMBER	QUANTITY
1	Dock Cable	1
2	Dock Winch Clamp	1
3	1/4" x 3/4" Carriage Bolt	1
4	1/4" Nut	1



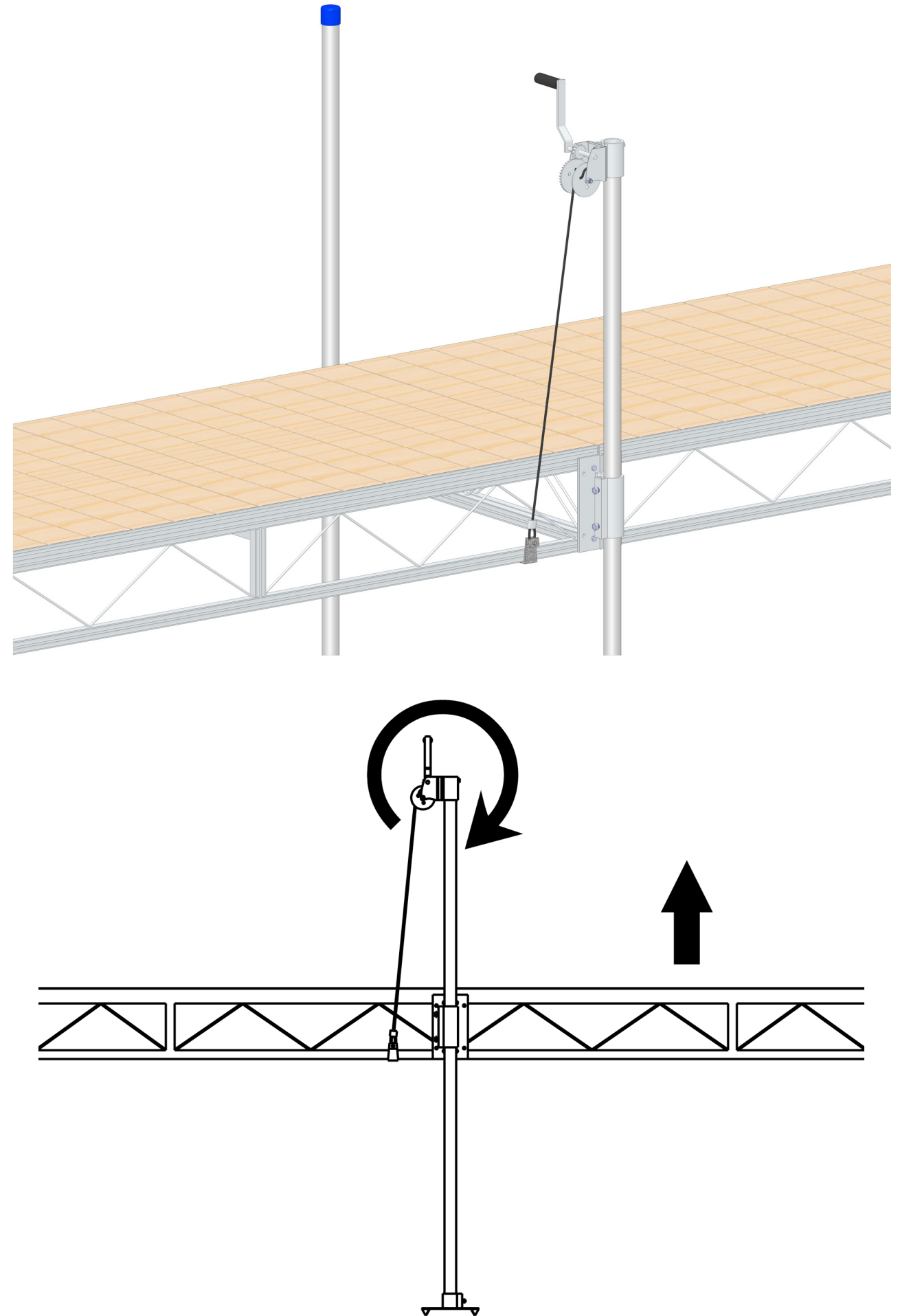
Procedure 6

(STEP 10) When pushing the dock into the water, ensure that the wheel kit posts are down and that the support posts are all raised and tightened.

Once the dock is pushed out into the water, start laying the deck sections on one at a time. Upon reaching posts with the decking, lower the posts by loosening the set screws on the post brackets. When the posts are lowered, slip the winch brackets with a winch onto the posts. Lower the hook cables and hook onto the lower tube on the side of the dock section. Crank the winch until the posts are at the desired height and tighten the set screws.

After tightening the set screws, remove the winch from the posts and continue setting down deck sections until you reach the next set of posts. Repeat this procedure until all the posts have been adjusted and all decking has been laid.

Once all height adjustments have been made, remove the winches and put away for storage.



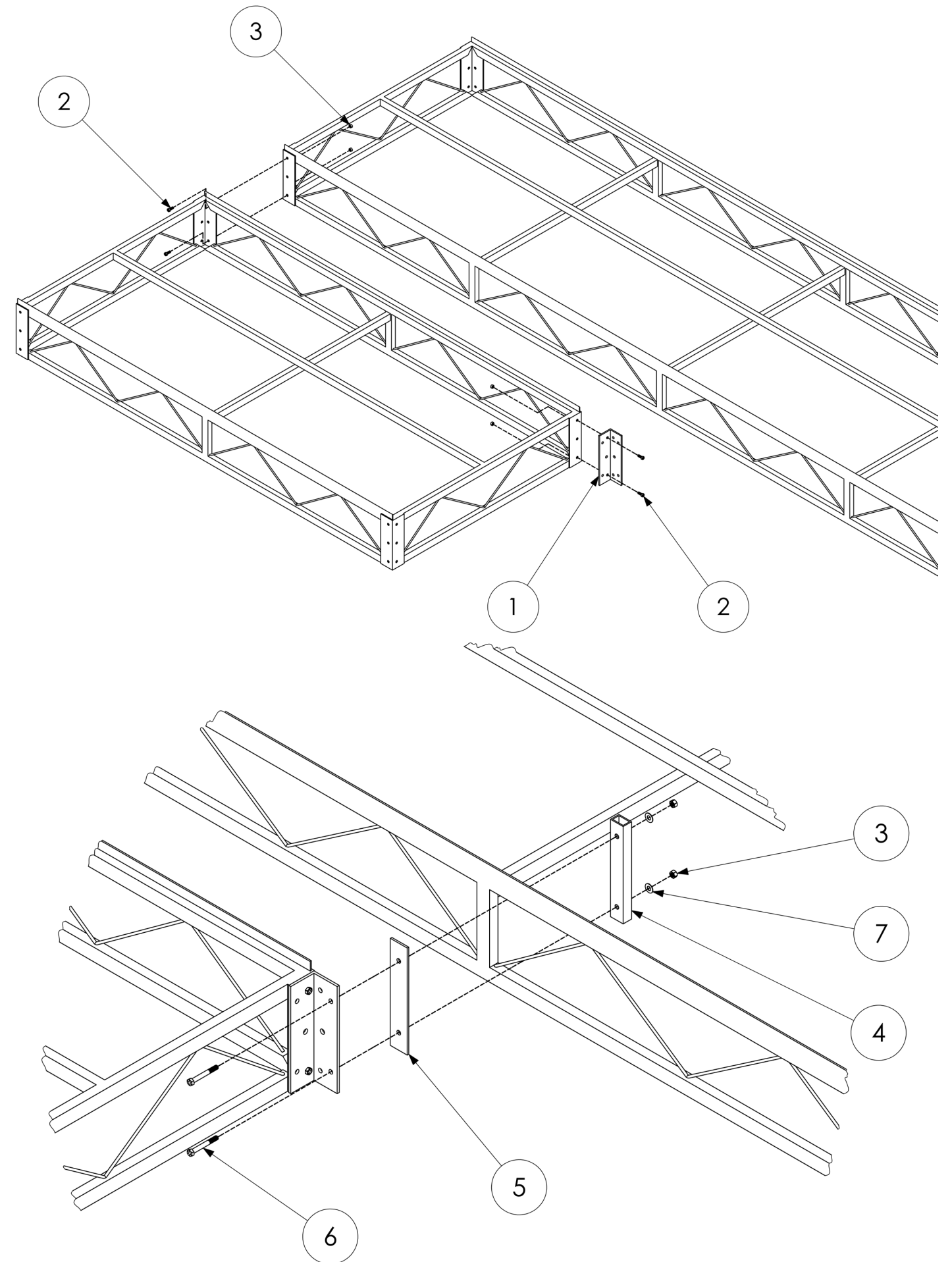
16' Section to Patio

Dock Configuration

(STEP 1) Bolt the angle bracket (*item #1*) to the shore end of the 4' x 8' section you will be using for the patio using two $\frac{3}{8}$ " x 1" bolts (*item #2*) and two $\frac{3}{8}$ " nuts (*item #3*). Then bolt the far end of the two sections together using two $\frac{3}{8}$ " x 1" bolts (*item #3*) and two $\frac{3}{8}$ " nuts (*item #4*).

(STEP 2) Now bolt the inside corner of the two sections together by using a clamping block (*item #4*) fastened to the angle bracket you've just installed. Make sure to place a spacer plate (*item #5*) in between the two dock sections. Insert two $\frac{3}{8}$ " x 3" bolts (*item #6*) through the holes closest together on the angle bracket, through the holes in the spacer plate and through the holes in the clamping block. Fasten securely with $\frac{3}{8}$ " nuts and washers (*item #7*).

ITEM NUMBER	PART NUMBER	QUANTITY
1	Angle Bracket	1
2	$\frac{3}{8}$ " x 1" Bolt	4
3	$\frac{3}{8}$ " Nut	6
4	Clamping Block	1
5	Spacer Plate	1
6	$\frac{3}{8}$ " x 3" Bolt	2
7	$\frac{3}{8}$ " Washer	2



12' Patio

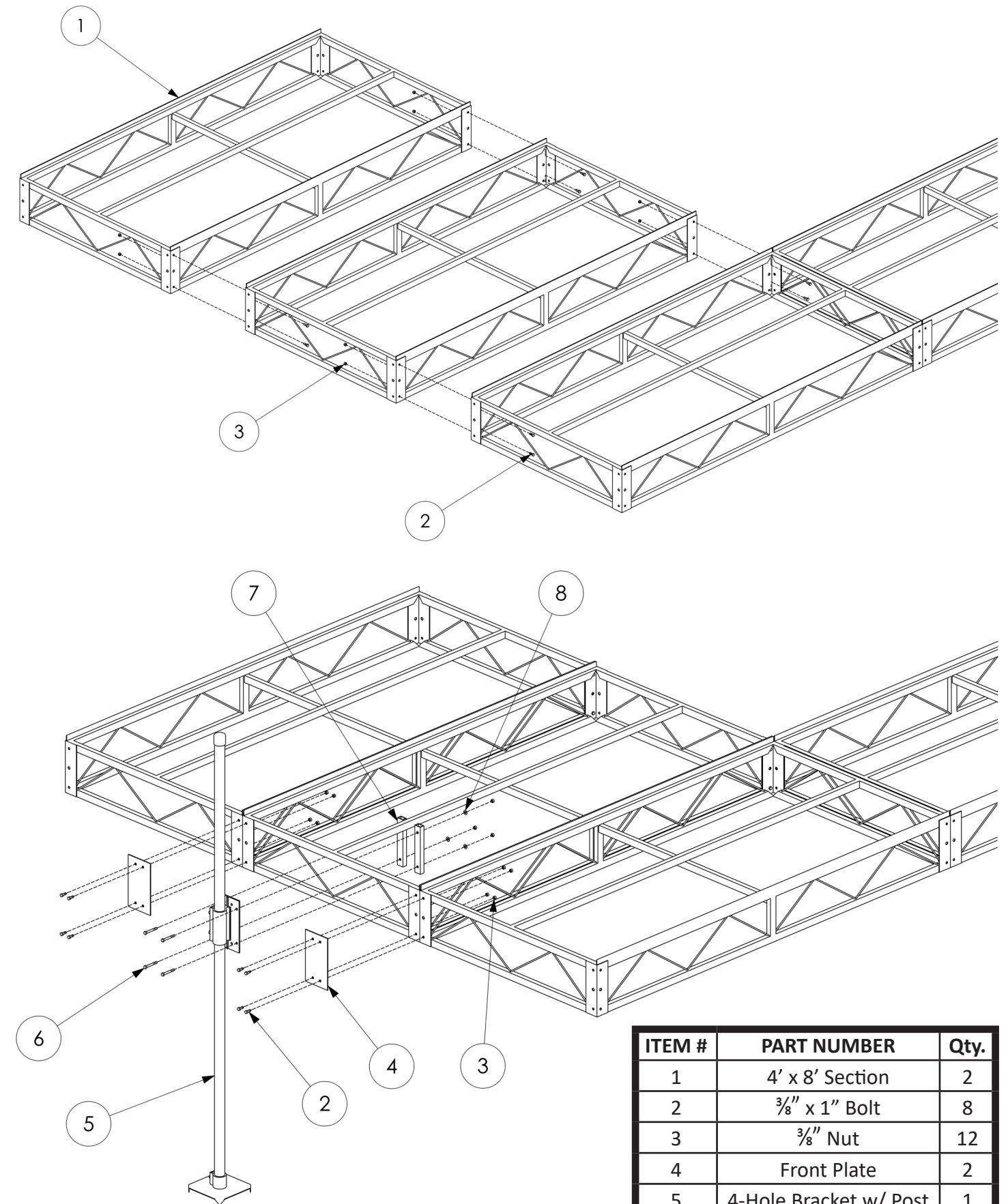
Dock Configuration

(STEP 1) Bolt the two 4' x 8' sections (item #1) to the end of your dock using four $\frac{3}{8}$ " x 1" bolts (item #2) and four $\frac{3}{8}$ " nuts (item #3) per section.

(STEP 2) Now bolt two front plates (item #4) to the front of the patio using four $\frac{3}{8}$ " x 1" bolts (item #1) and four $\frac{3}{8}$ " nuts (item #3) per plate.

(STEP 3) Attach a four-holed bracket with a dock post (item #5) to the middle of the middle patio section at the front end of the dock by inserting four $\frac{3}{8}$ " x 3" bolts (item #6) through the holes closest together on the bracket and through the middle of the dock section. Slide two clamping blocks (item #7) onto the bolts and fasten with $\frac{3}{8}$ " nuts and washers (item #8).

SEE COMPLETED ASSEMBLY ON **PAGE #21**



ITEM #	PART NUMBER	Qty.
1	4' x 8' Section	2
2	$\frac{3}{8}$ " x 1" Bolt	8
3	$\frac{3}{8}$ " Nut	12
4	Front Plate	2
5	4-Hole Bracket w/ Post	1
6	$\frac{3}{8}$ " x 3" Bolt	4
7	Clamping Block	4
8	$\frac{3}{8}$ " Washer	4

4' X 12' L Deck

Dock Configuration

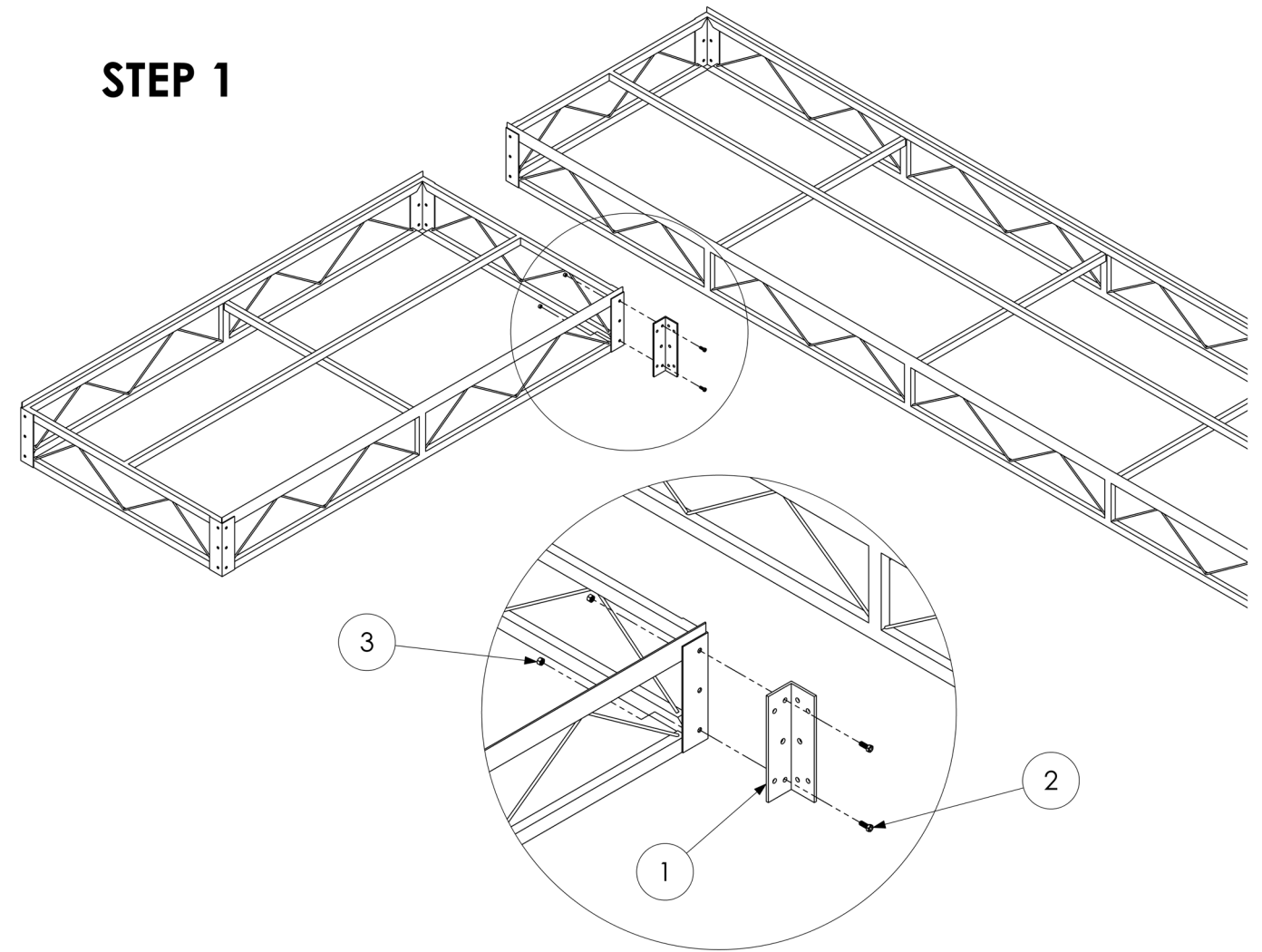
(STEP 1) Bolt the angle bracket (*item #1*) to the inside corner of the patio section (*see figure*) using two $\frac{3}{8}$ " x 1" bolts (*item #2*) and two $\frac{3}{8}$ " nuts (*item #3*).

(STEP 2) Bolt the far end of the two sections together using two $\frac{3}{8}$ " x 1" bolts (*item #2*) and two $\frac{3}{8}$ " nuts (*item #3*). Now bolt the inside corner of the two sections together by using a clamping block (*item #4*) fastened to the angle bracket you've just installed. Make sure to place a spacer plate (*item #5*) in between the two sections. Insert two $\frac{3}{8}$ " x 3" bolts (*item #6*) through the holes closest together on the angle bracket, through the spacer plate, through the middle of the 16' section and through the clamping block. Fasten securely with two $\frac{3}{8}$ " nuts and washers (*item #6*).

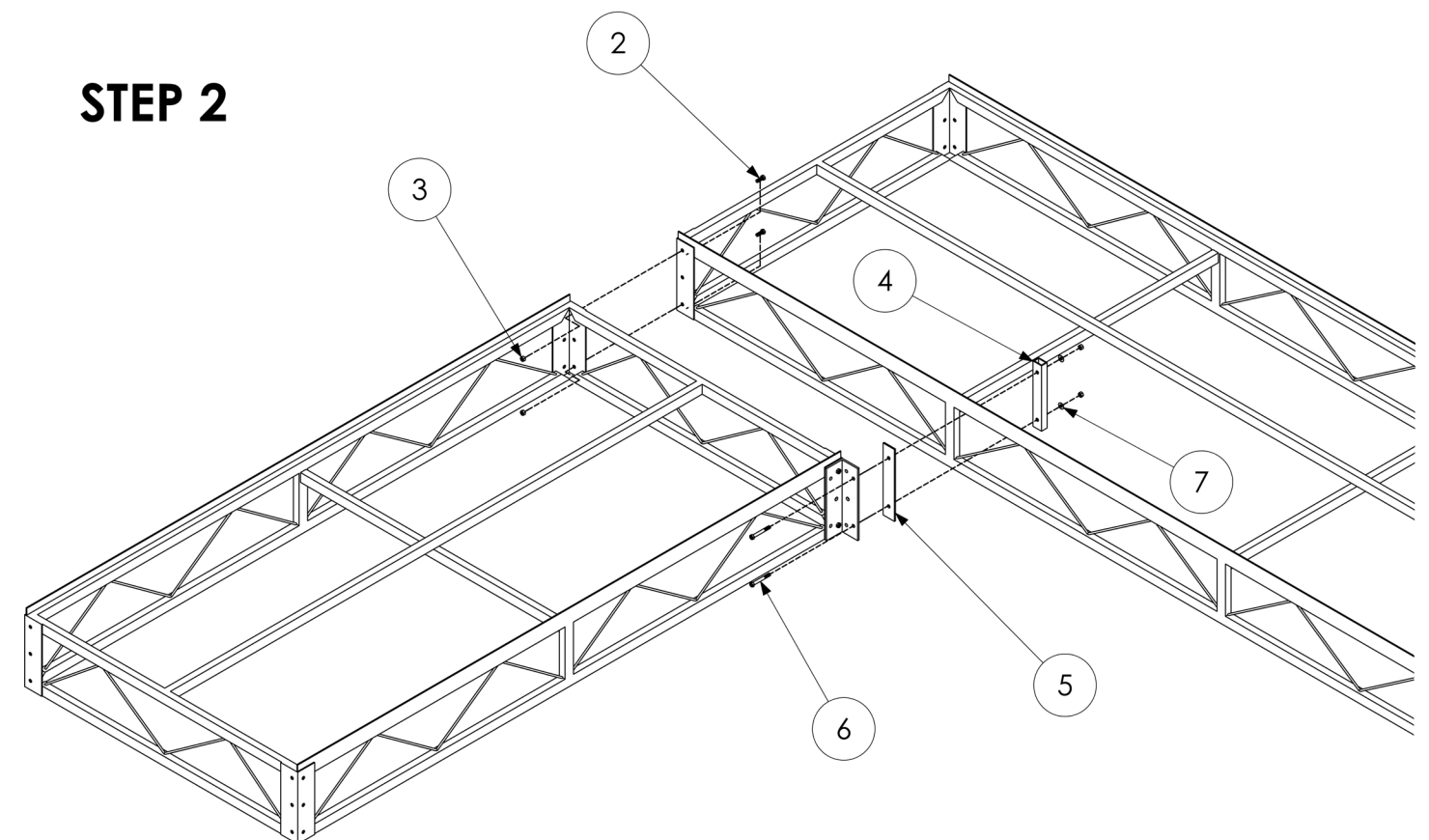
SEE COMPLETED ASSEMBLY ON **PAGE #23**

ITEM NUMBER	PART NUMBER	QUANTITY
1	Angle Bracket	1
2	$\frac{3}{8}$ " x 1" Bolt	4
3	$\frac{3}{8}$ " Nut	4
4	Clamping Block	1
5	Spacer Plate	1
6	$\frac{3}{8}$ " x 3" Bolt	2
7	$\frac{3}{8}$ " Washer	2

STEP 1



STEP 2



4' X 8' T Deck

Dock Configuration

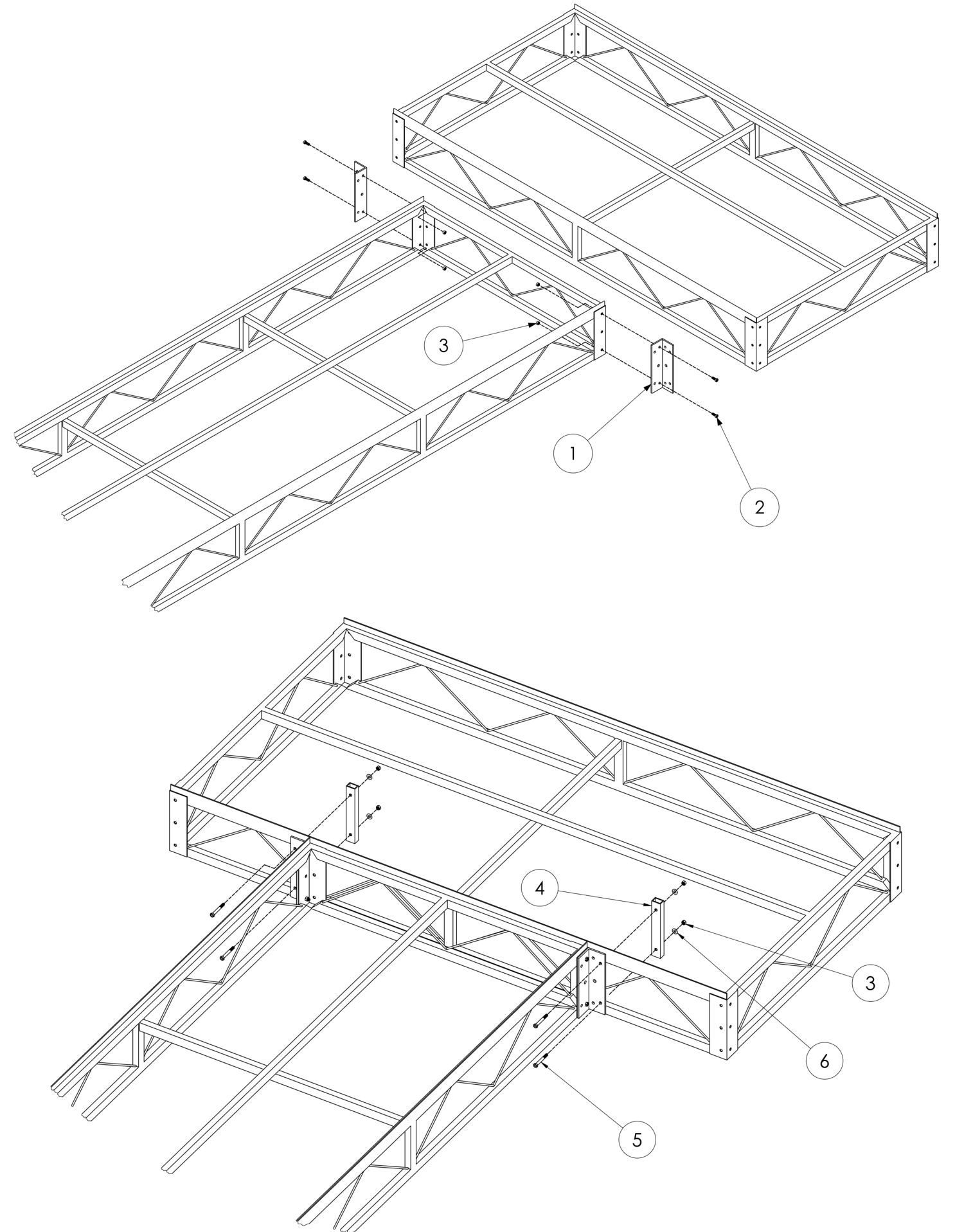
(STEP 1) Bolt on the two angle brackets (*item #1*) to the end of the straight section using two $\frac{3}{8}$ " x 1" bolts (*item #2*) and two $\frac{3}{8}$ " nuts (*item #3*) per bracket.

(STEP 2) Clamp the straight section to the T-deck using two clamping blocks (*item #4*) fastened to the angle brackets you've just installed.

Insert two $\frac{3}{8}$ " x 3" bolts (*item #5*) through the holes in the angle bracket, through the middle of the dock section and through the holes in the clamping blocks. Thread on two $\frac{3}{8}$ " nuts (*item #4*) with washers (*item #6*) per bracket and tighten all hardware.

SEE COMPLETED ASSEMBLY ON **PAGE #21**

ITEM NUMBER	PART NUMBER	QUANTITY
1	Angle Bracket	2
2	$\frac{3}{8}$ " x 1" Bolt	4
3	$\frac{3}{8}$ " Nut	8
4	Clamping Block	2
5	$\frac{3}{8}$ " x 3" Bolt	4
6	$\frac{3}{8}$ " Washer	4



U Dock

Dock Configuration

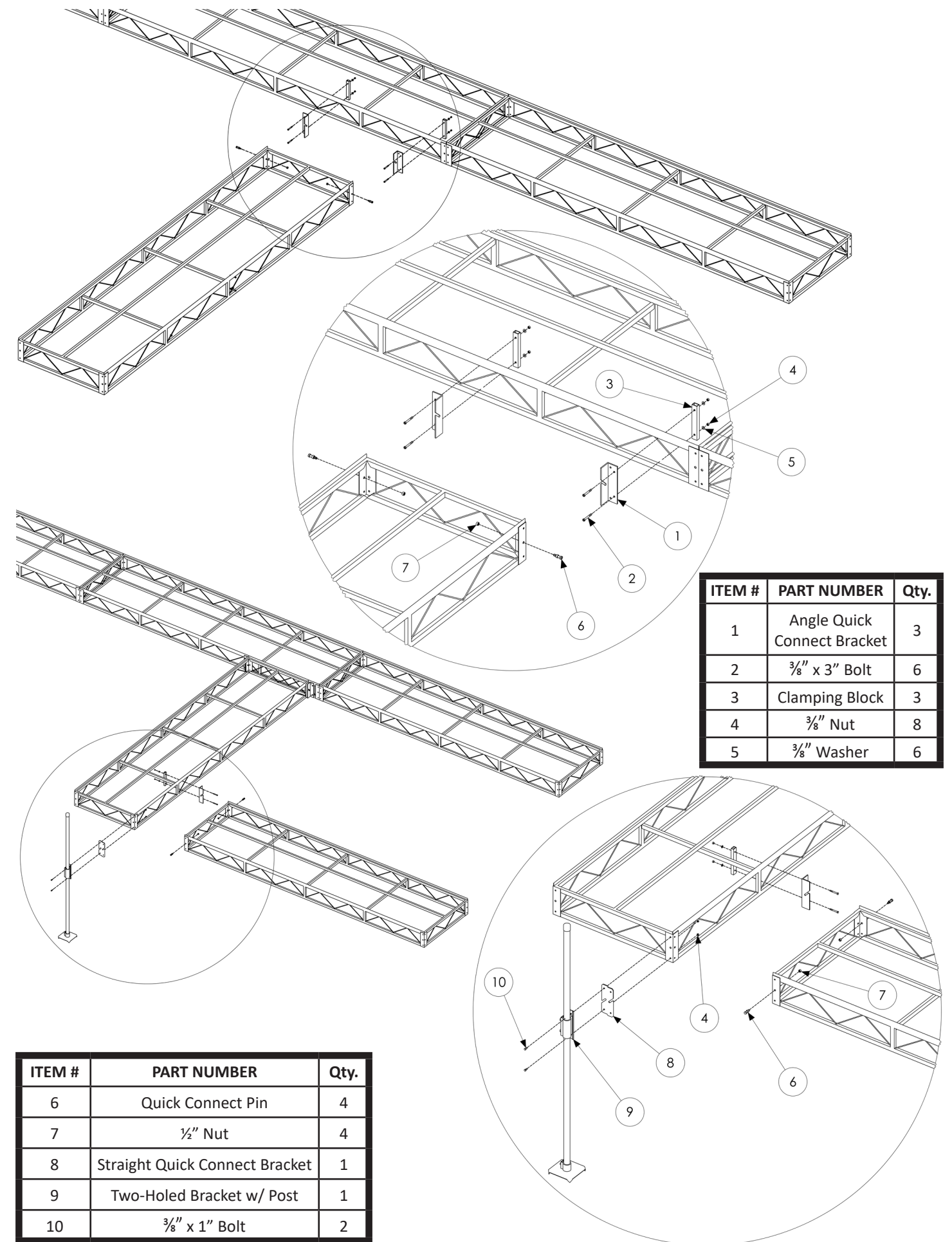
(STEP 1) Bolt on the angle quick connect brackets (*item #1*) to your dock at the location where you will be attaching the U-section. Insert two $\frac{3}{8}$ " x 3" bolts (*item #2*) through the holes in the brackets that are closest together, and then through the middle of the dock section. Slide two clamping blocks (*item #3*) on the bolts and fasten with $\frac{3}{8}$ " nuts (*item #4*) and washers (*item #5*).

Now bolt on the quick connect pins (*item #6*) to the end of the first U-dock section using $\frac{1}{2}$ " nuts (*item #7*), as shown in the figure. Slide the quick connect pins into the grooves on the angle quick connect brackets to connect the sections.

(STEP 2) Now bolt on another angle bracket at the location shown in the figure. Then bolt on the straight quick connect bracket (*item #8*) along with a two-holed bracket and post (*item #9*) using two $\frac{3}{8}$ " x 1" bolts (*item #10*) and two $\frac{3}{8}$ " nuts (*item #4*).

Bolt on two more quick connect pins (*item #6*) to the end of the first U-dock section using $\frac{1}{2}$ " nuts (*item #7*), as shown in the figure. Slide the quick connect pins into the grooves on the quick connect brackets to connect the sections.

SEE COMPLETED ASSEMBLY ON **PAGE #22**



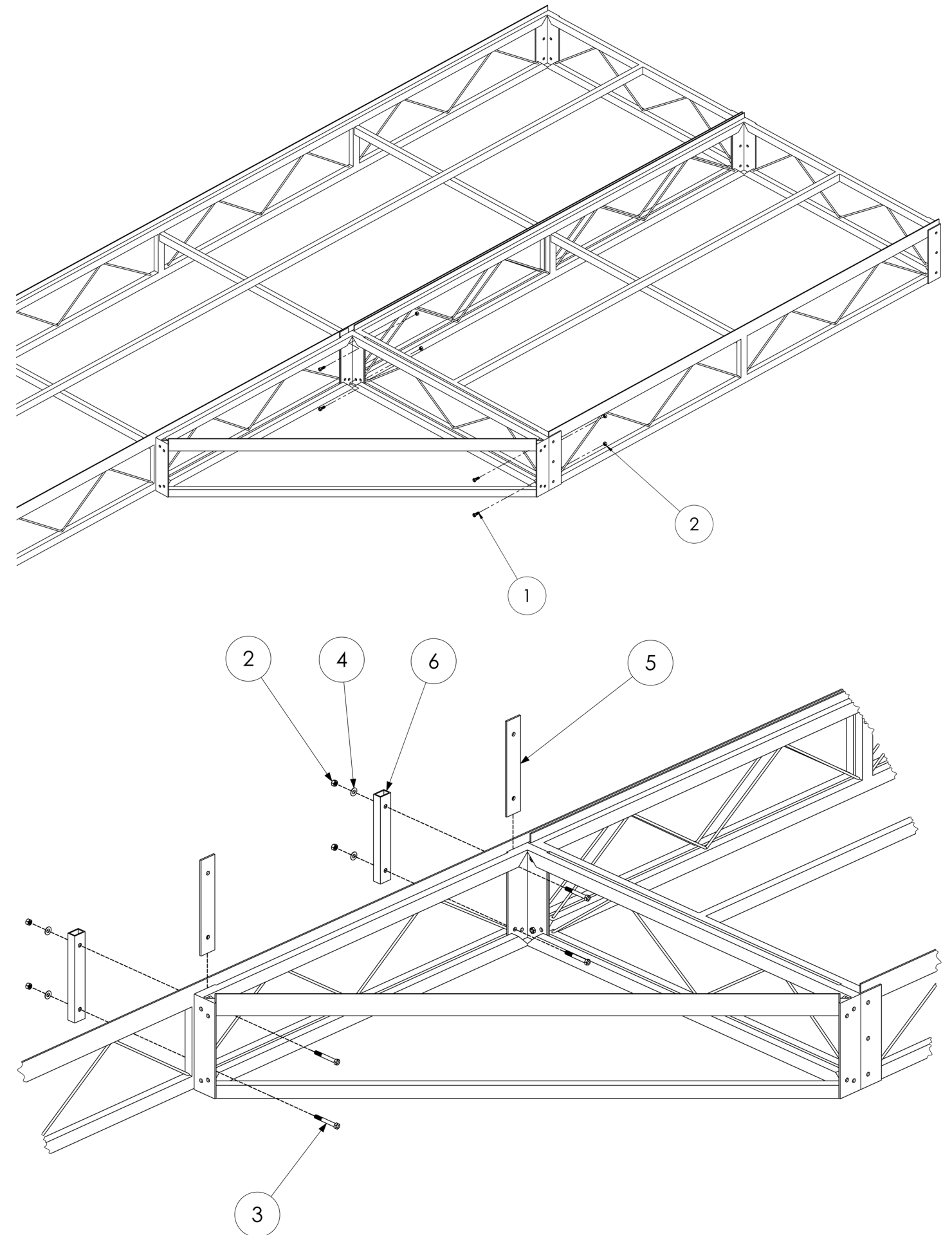
Triangle Section

Dock Accessory

(STEP 1) Using four $\frac{3}{8}$ " x 1" bolts (item #1) and four $\frac{3}{8}$ " nuts (item #2), attach the corner section to the rear part of the 4' x 8' dock section.

(STEP 2) On the triangle section, there will be four holes on the side of the angle brackets facing the 4' x 16' dock section. Insert the $\frac{3}{8}$ " x 3" bolts (item #3) with washers (item #4) through the holes that are closest together. Be sure that you bolt the spacer plate (item #5) between the corner section and the dock section. On the inside of the 4' x 16' section, place the clamping blocks (item #6) onto the bolts and fasten with $\frac{3}{8}$ " nuts. If the patio ends at the triangle section, attach a four-holed post bracket to the outside corner.

ITEM NUMBER	PART NUMBER	QUANTITY
1	$\frac{3}{8}$ " x 1" Bolt	4
2	$\frac{3}{8}$ " Nut	8
3	$\frac{3}{8}$ " x 3" Bolt	4
4	$\frac{3}{8}$ " Washer	4
5	Spacer Plate	2
6	Clamping Block	2

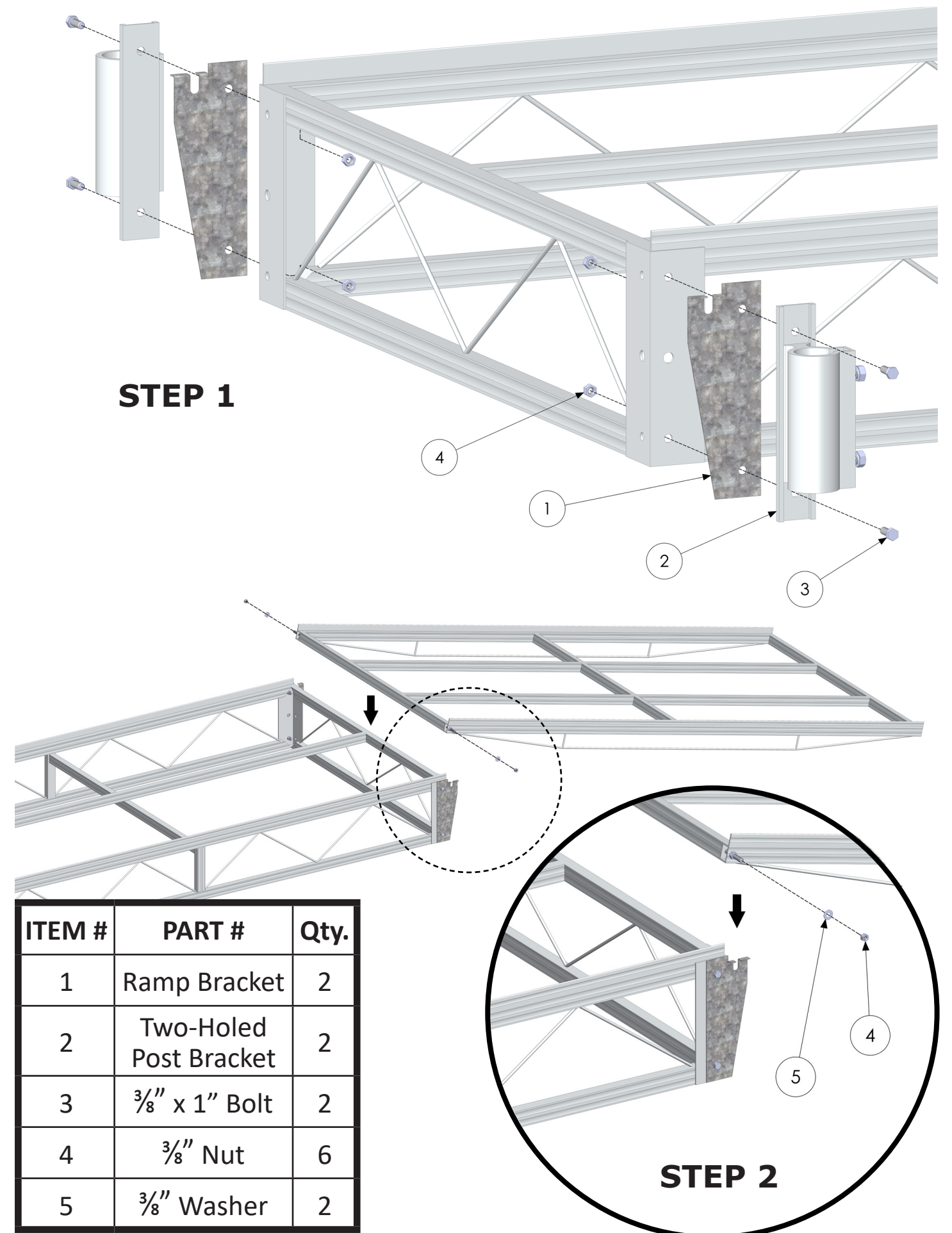
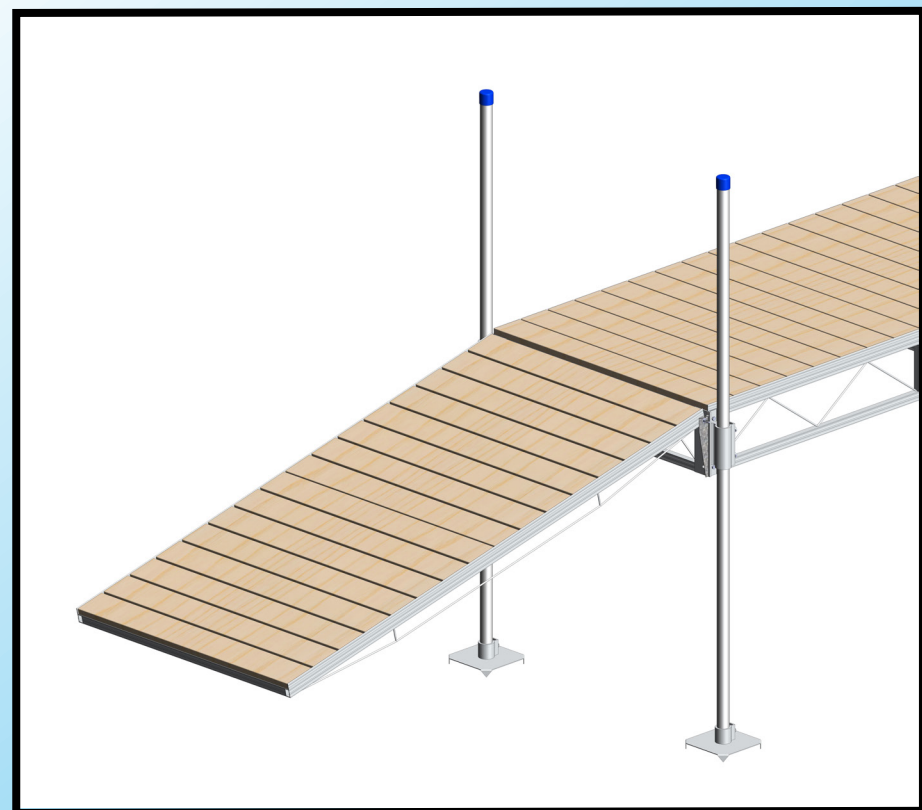


4' x 4' and 4' x 8' Ramps

Dock Accessory

(STEP 1) On the shore end of the dock, bolt the ramp brackets (*item #1*) to the corners using four $\frac{3}{8}$ " x 1" bolts (*item #3*) and $\frac{3}{8}$ " nuts (*item #4*). If the shore end receives posts, bolt the two-holed post brackets (*item #2*) on top of the ramp brackets as shown in the figure.

(STEP 2) The ramp will have two connecting bolts on the side of the ramp. Slip the ramp bolts into the groove of the bracket and tighten down with a $\frac{3}{8}$ " nut and washer (*item #5*).

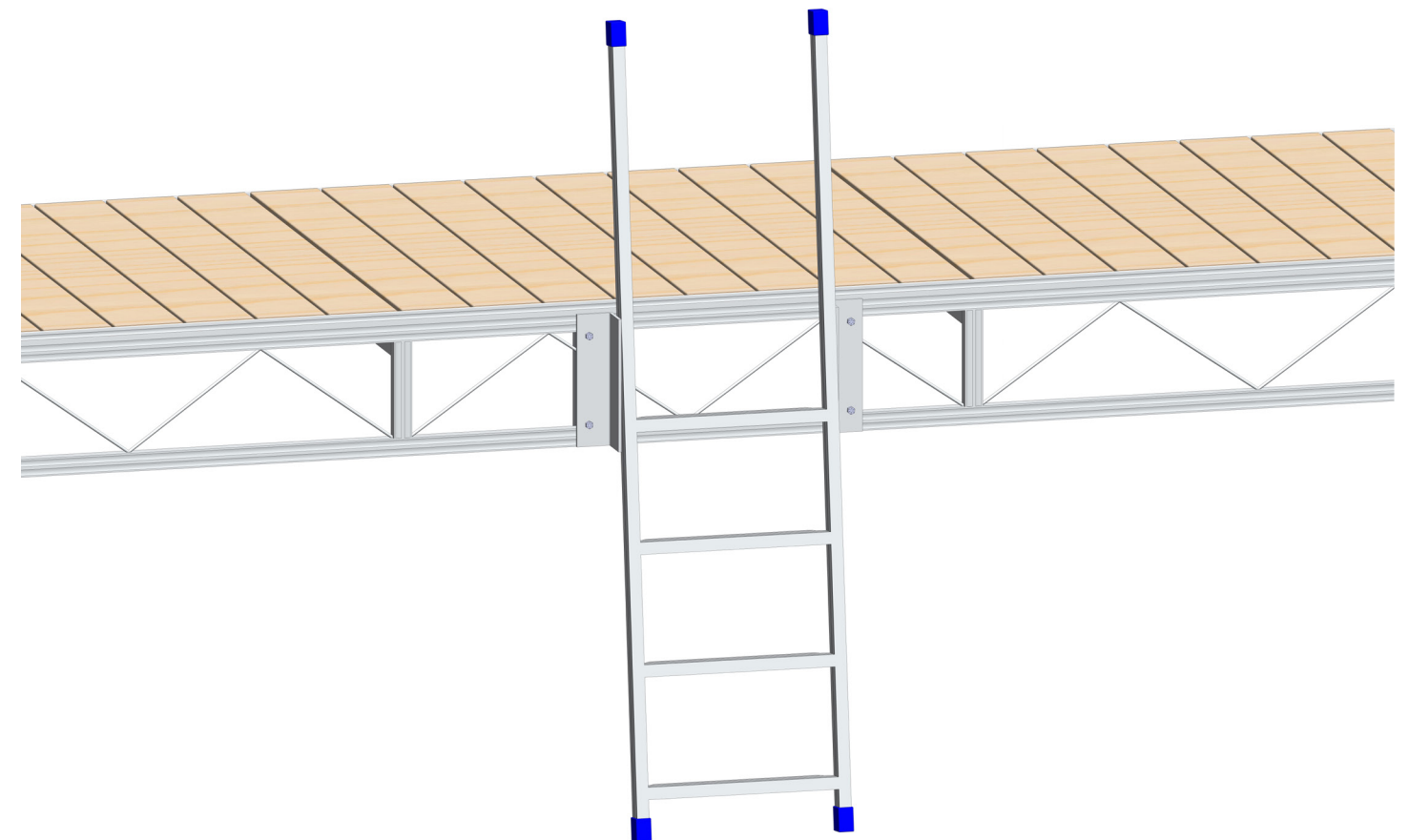
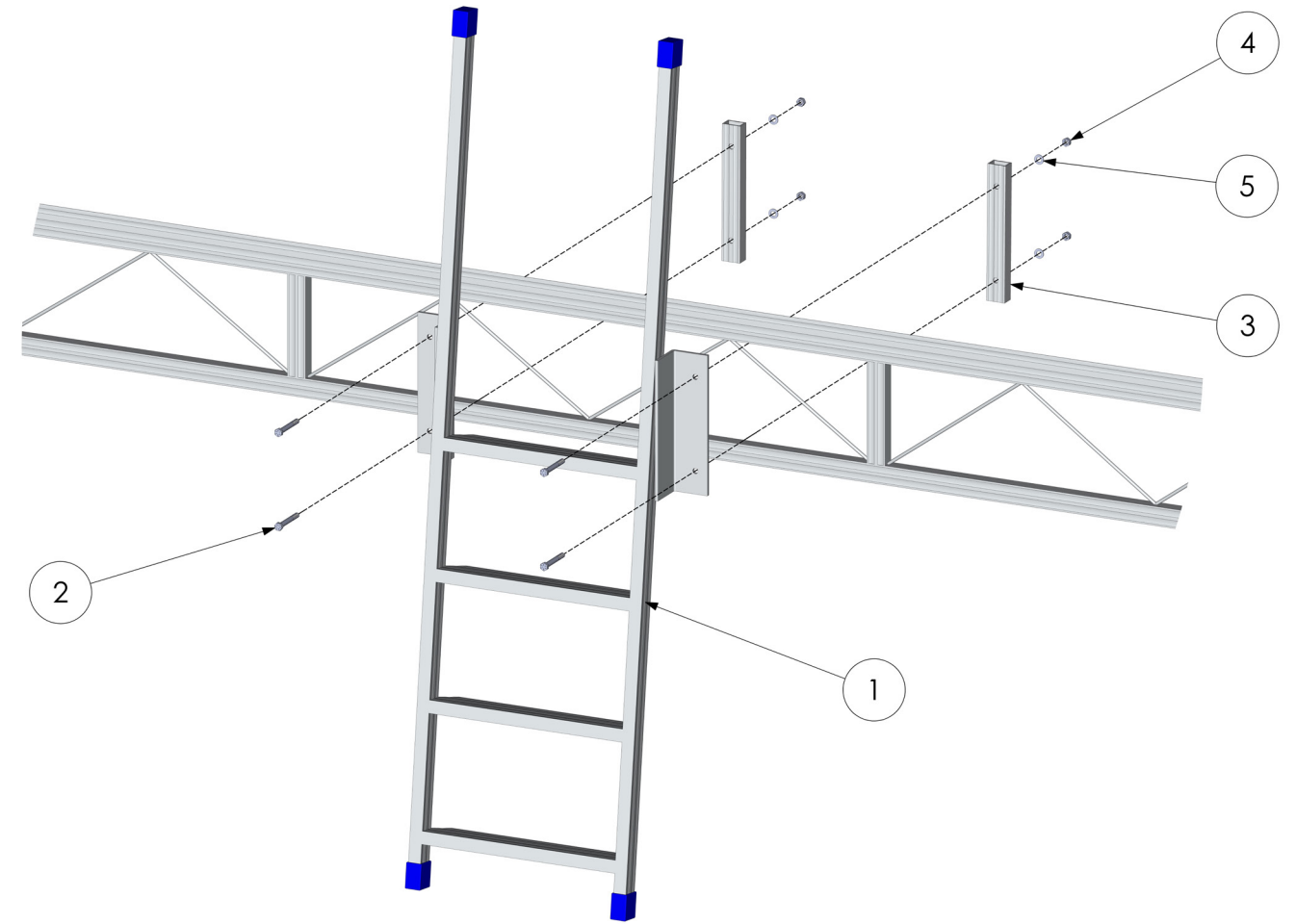


Ladder

Dock Accessory

(STEP 1) Locate a spot on the dock where you would like to mount the ladder (*item #1*) and have another person hold it in place. Insert four $\frac{3}{8}$ " x 3" bolts (*item #2*) through the holes on the ladder and through the middle of the dock section. Place the two clamping blocks (*item #3*) on the bolts and fasten with four $\frac{3}{8}$ " nuts (*item #4*) and washers (*item #5*), clamping the ladder to the dock section.

ITEM NUMBER	PART NUMBER	QUANTITY
1	Ladder	1
2	$\frac{3}{8}$ " x 3" Bolt	4
3	Clamping Block	2
4	$\frac{3}{8}$ " Nut	4
5	$\frac{3}{8}$ " Washer	4



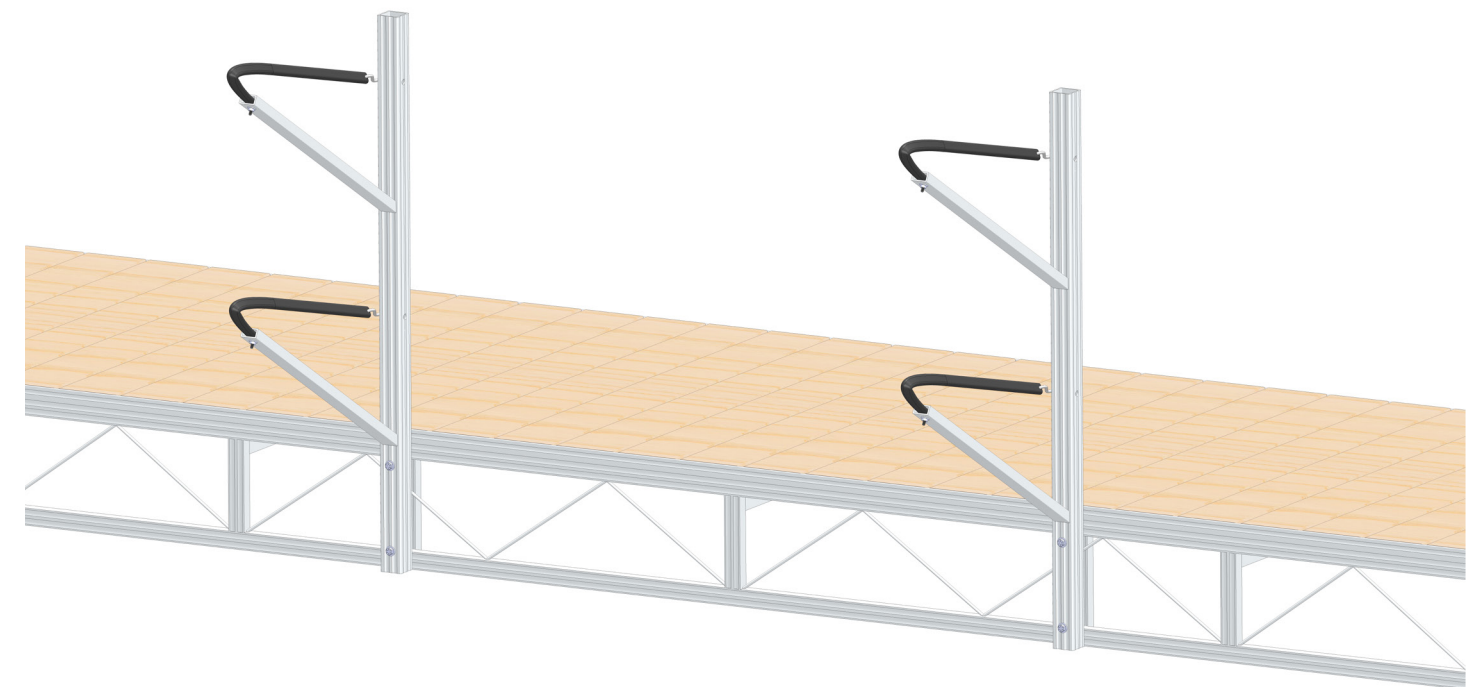
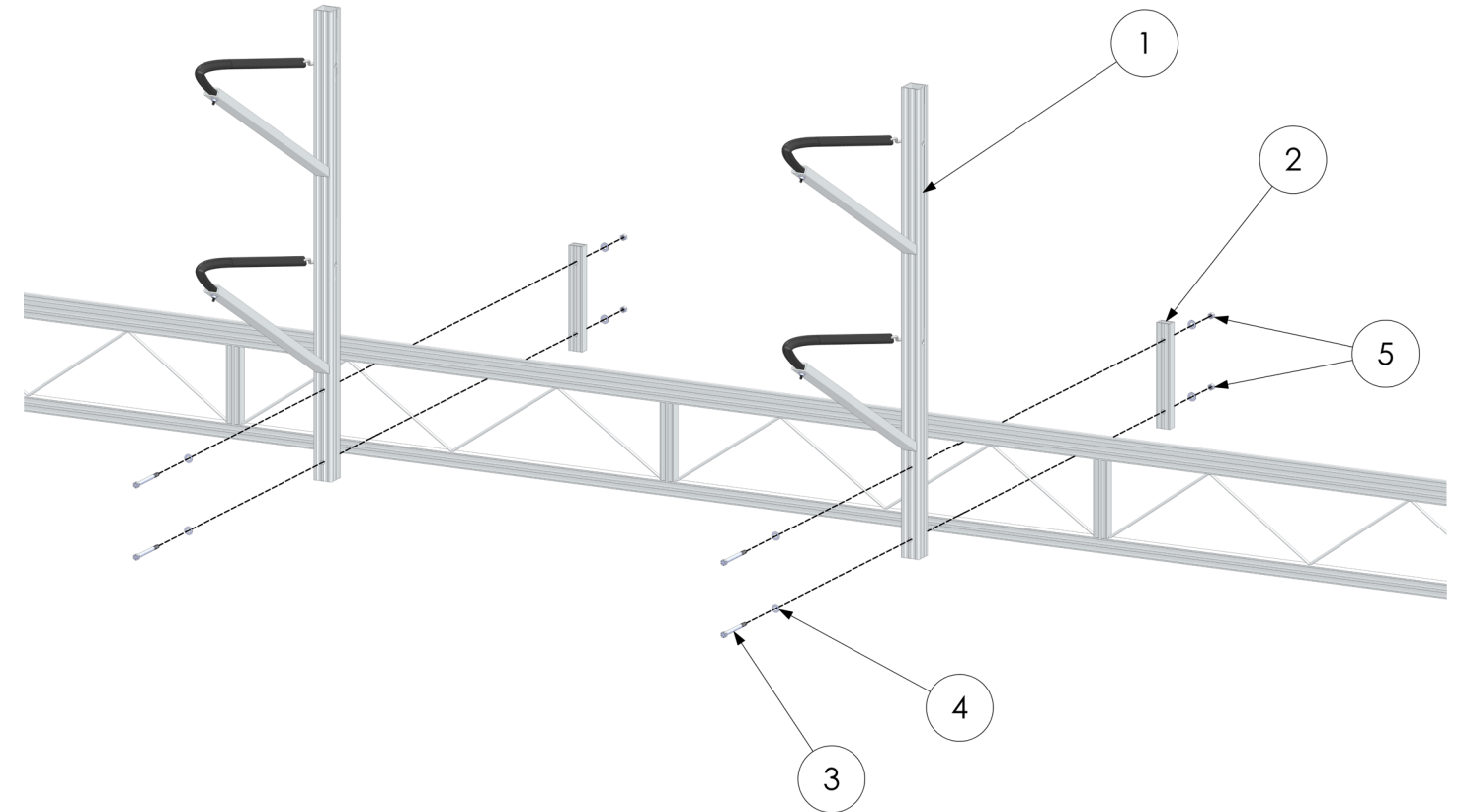
Kayak Rack

Dock Accessory

(STEP 1) Locate a spot on the dock where you would like to place the kayak rack. Ensure to space the two kayak rack pieces (*item #1*) an appropriate distance apart depending on the length of your kayak.

(STEP 2) Fasten the kayak rack pieces to the side of the dock section using two clamping blocks (*item #2*). Insert two $\frac{3}{8}$ " x 4 $\frac{1}{2}$ " bolts (*item #3*) with washers (*item #4*) through the holes in the kayak racks, through the middle of the dock section, and through the holes in the clamping blocks. Fasten with two $\frac{3}{8}$ " nuts (*item #5*) and washers.

ITEM NUMBER	PART NUMBER	QUANTITY
1	Kayak Rack	2
2	Clamping Block	2
3	$\frac{3}{8}$ " x 4 $\frac{1}{2}$ " Bolt	4
4	$\frac{3}{8}$ " Washer	8
5	$\frac{3}{8}$ " Nut	4



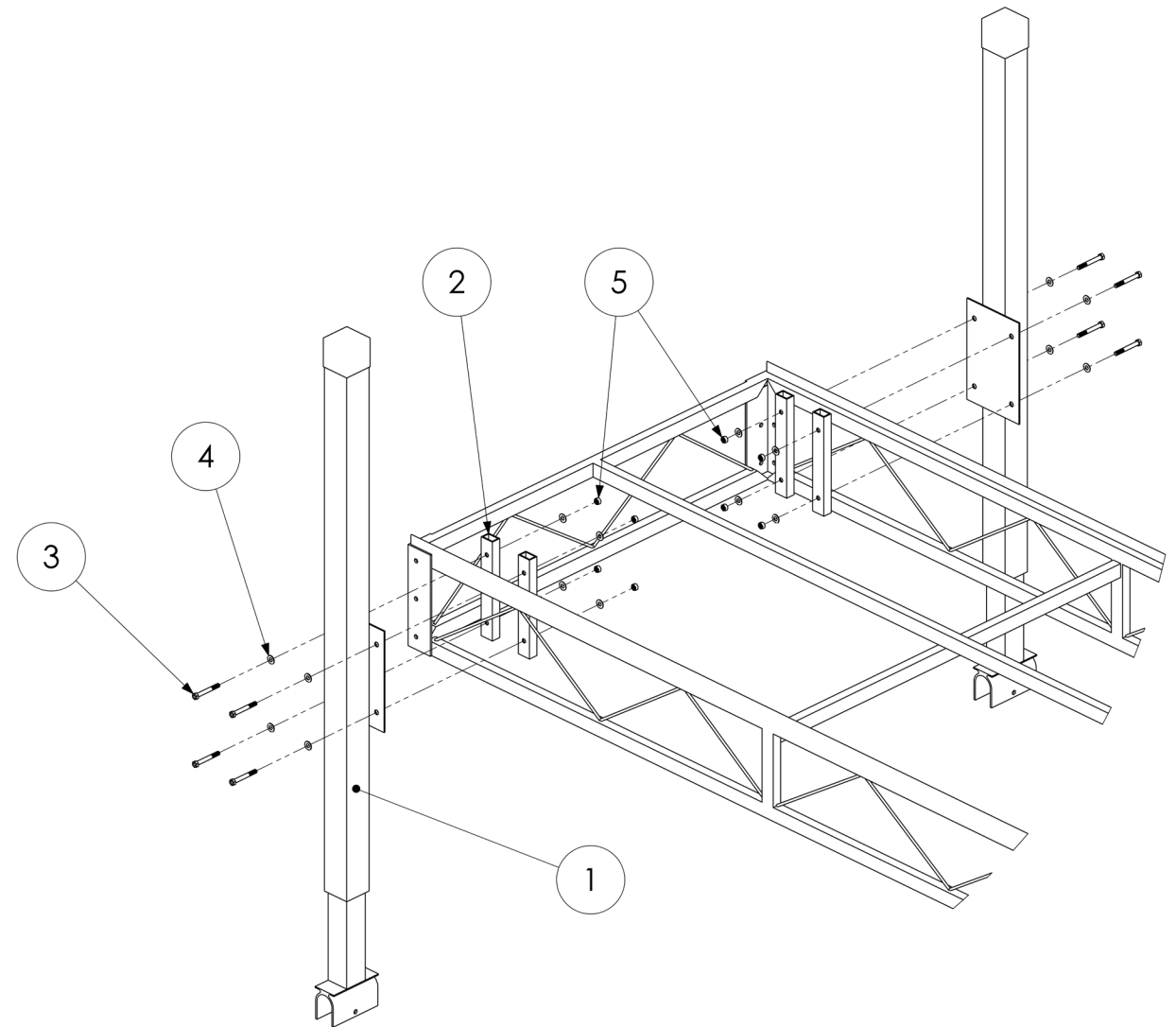
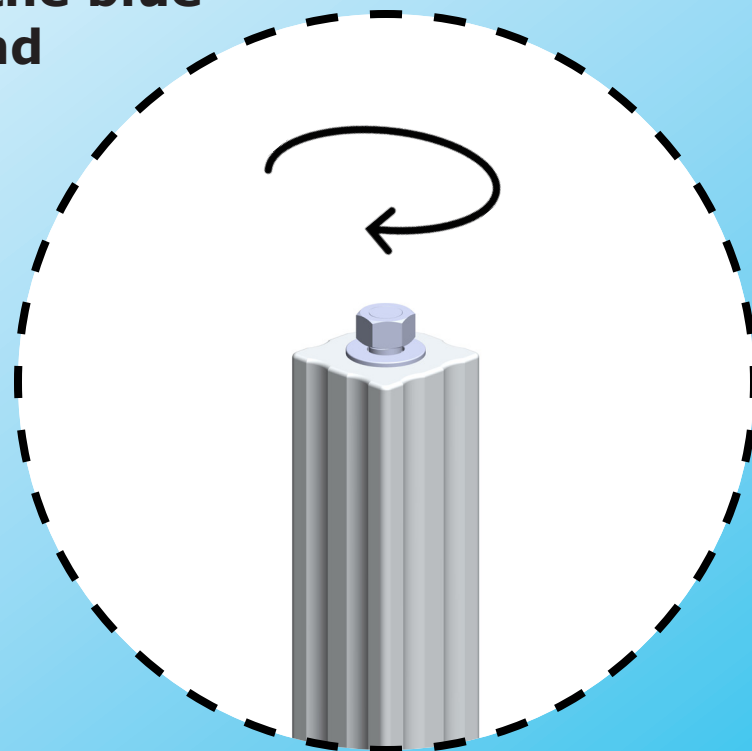
Screw Jacks

Dock Accessory

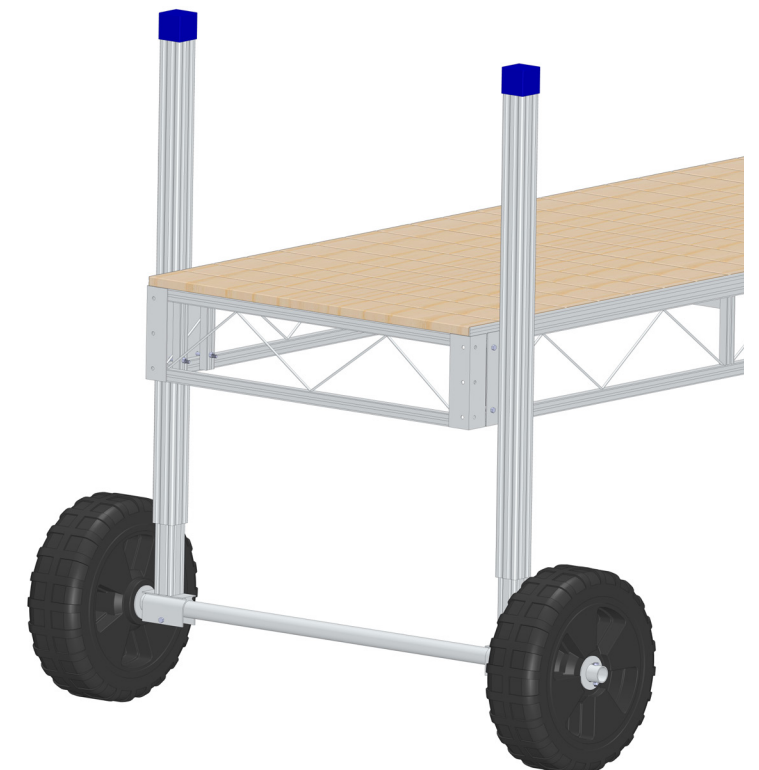
(STEP 1) Clamp the screw jacks (*item #1*) to the front of the dock section using two clamping blocks (*item #2*) per jack. Set the screw jack against the side of the dock section and insert four $\frac{3}{8}$ " x 3" bolts (*item #3*) with washers (*item #4*) through the holes in the plate, through the middle of the section frame and through the holes in the clamping blocks. Fasten in place using four $\frac{3}{8}$ " nuts (*item #5*) with washers.

For a detailed assembly of the screw jack wheel kit, see **PROCEDURE 2A**.

(STEP 2) Adjust the resting height of the dock by removing the blue cap on the screw jacks and using a 1 1/4" SOCKET on the jack nut. Clockwise to raise the dock and counterclockwise to lower.



ITEM #	PART NUMBER	Qty.
1	Screw Jack	2
2	Clamping Block	4
3	$\frac{3}{8}$ " x 3" Bolt	8
4	$\frac{3}{8}$ " Washer	16
5	$\frac{3}{8}$ " Nut	8

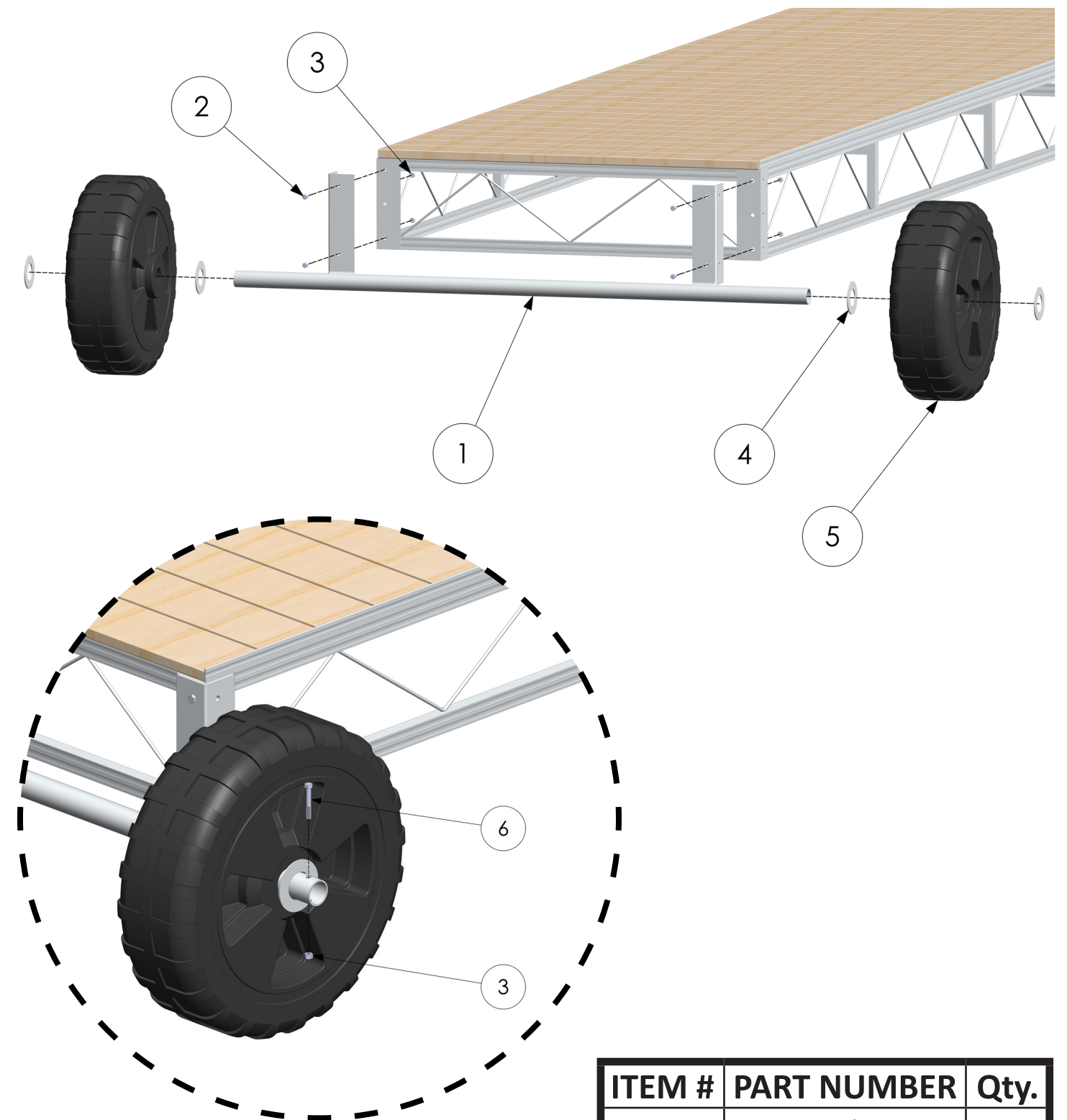


Shore End Wheels

Dock Accessory

(STEP 1) Bolt on the axle (item #1) to the shore end of the dock using four $\frac{3}{8}$ " x 1" bolts (item #2) and four $\frac{3}{8}$ " nuts (item #3). Then slide on a wheel washer (item #4) onto each end of the axle, followed by a plastic wheel (item #5), and another wheel washer.

(STEP 2) Now insert two $\frac{3}{8}$ " x 3" bolts (item #6) through the holes in the ends of the axle and fasten with $\frac{3}{8}$ " nuts (item #3).



ITEM #	PART NUMBER	Qty.
1	Axle	1
2	$\frac{3}{8}$ " x 1" Bolt	4
3	$\frac{3}{8}$ " Nut	6
4	Wheel Washer	4
5	Plastic Wheel	2
6	$\frac{3}{8}$ " x 3" Bolt	2

Tow Hitch

Dock Accessory

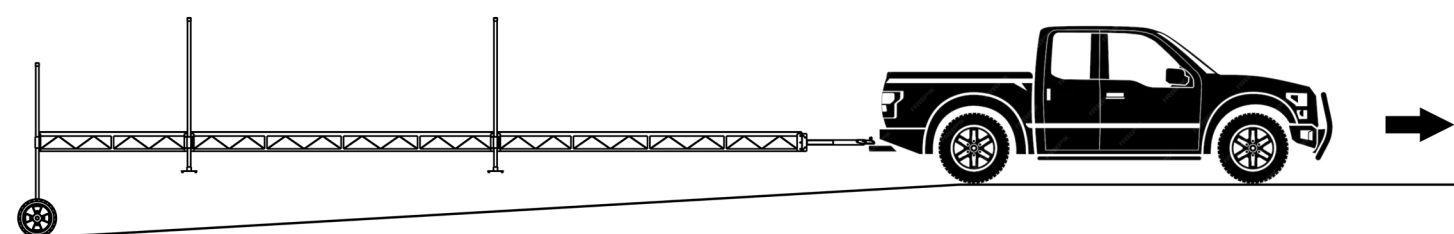
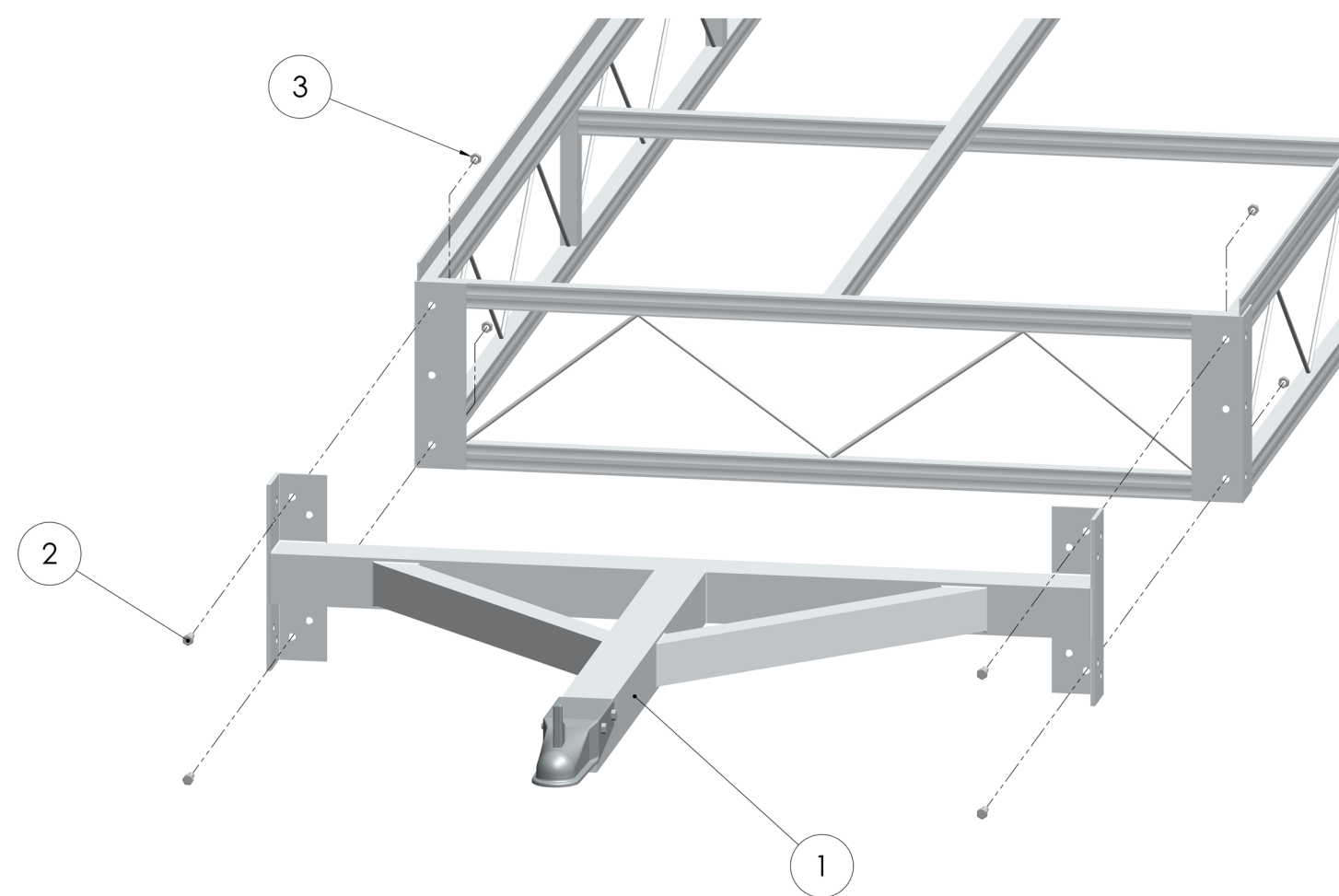
(STEP 1) Mount the tow hitch (*item #1*) to the shore end of the dock by using four $\frac{3}{8}$ " x 1" bolts (*item #2*) and four $\frac{3}{8}$ " nuts (*item #3*) as shown in the figure.

(STEP 2) Attach the hitch to the hitch reciever on your ATV or truck to pull your dock in and out of the water.

NOTE: THE TOW HITCH ACCOMODATES A 2" BALL

*****WARNING: DRIVE STRAIGHT WHILE TOWING DOCK. DO NOT TURN. MAKE SURE TO RAISE ALL DOCK POSTS WITH PADS BEFORE USING THE TOW HITCH TO PULL YOUR DOCK OUT OF THE WATER. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE DOCK AND/OR YOUR VEHICLE*****

ITEM NUMBER	PART NUMBER	QUANTITY
1	Tow Hitch	1
2	$\frac{3}{8}$ " x 1" Bolt	4
3	$\frac{3}{8}$ " Nut	4



Dock Stairs

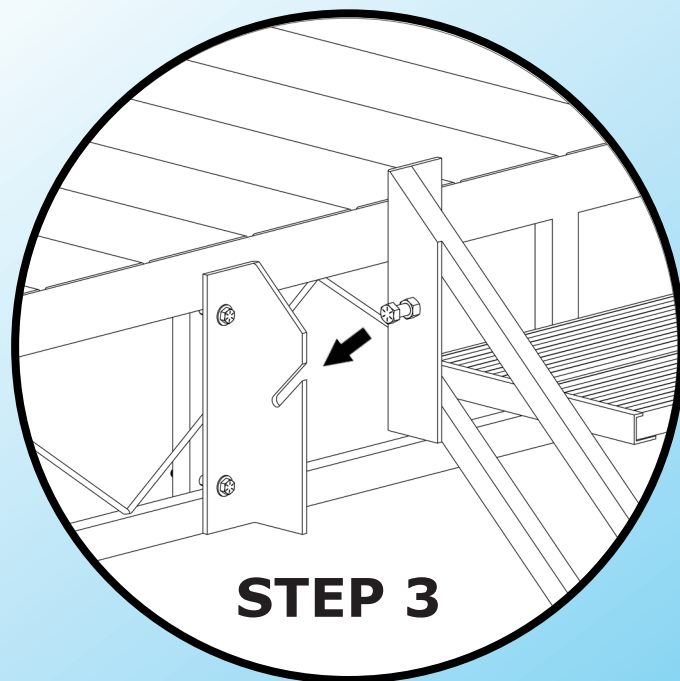
Dock Accessory

(STEP 1) Locate a spot on the dock where you would like to mount the dock stairs. Attach the quick connect angle brackets (*item #1*) onto the side of the section frame spaced $39\frac{3}{4}$ " apart using two clamping blocks (*item #2*). Insert four $\frac{3}{8}$ " x 3" bolts (*item #3*) with washers (*item #4*) through the front of the angle brackets, through the middle of the section frame, and through the holes on the clamping blocks. Thread on four $\frac{3}{8}$ " nuts (*item #5*) with washers and tighten all hardware.

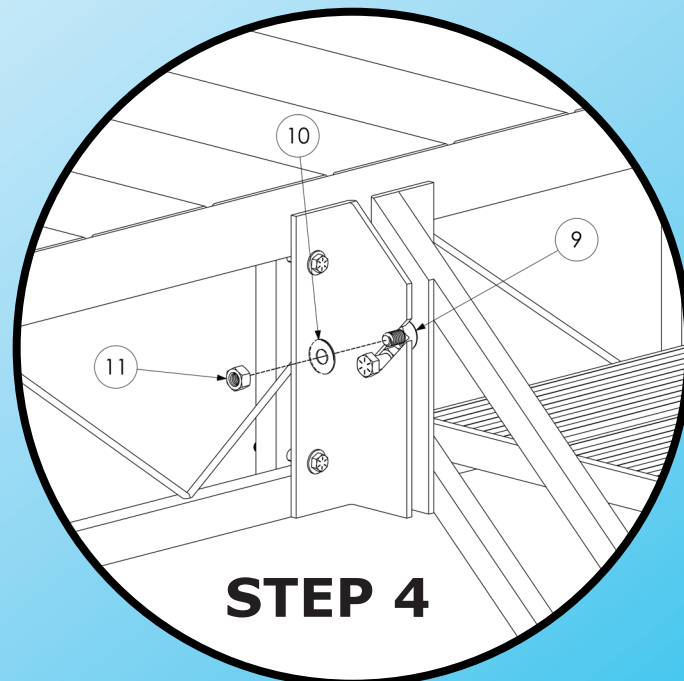
(STEP 2) Bolt the quick connect pins (*item #6*) onto the angle piece on the stairs. Now slide the adjustable legs (*item #7*) into the bottom section of the stairs. Adjust to the appropriate height and insert the $\frac{3}{8}$ " x 2 $\frac{1}{2}$ " bolts (*item #8*), fasten with a pair of $\frac{3}{8}$ " nuts and tighten.

(STEP 3) Drop the quick connect pins into the slots on the quick connect angle brackets.

(STEP 4) Insert the locking carriage bolt (*item #9*) into the slot and tighten with a $\frac{1}{2}$ " nut (*item #10*) and washer (*item #11*) to lock the dock stairs in place.

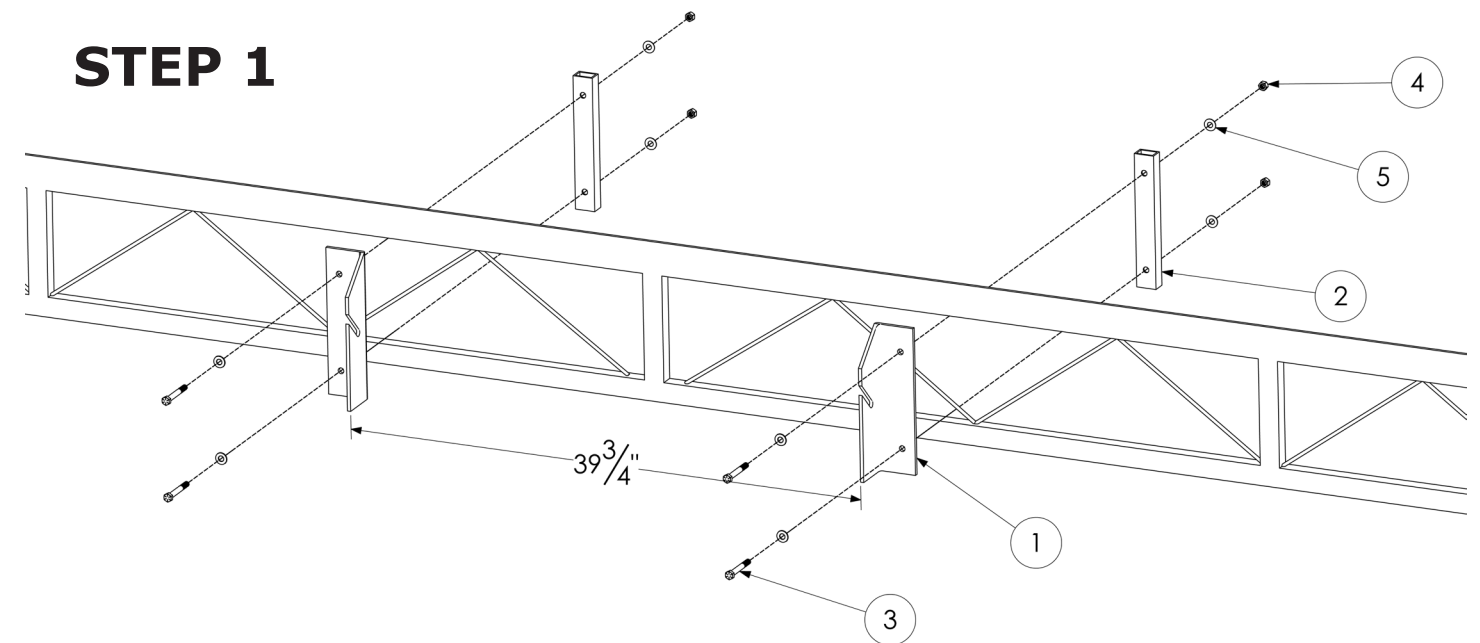


STEP 3

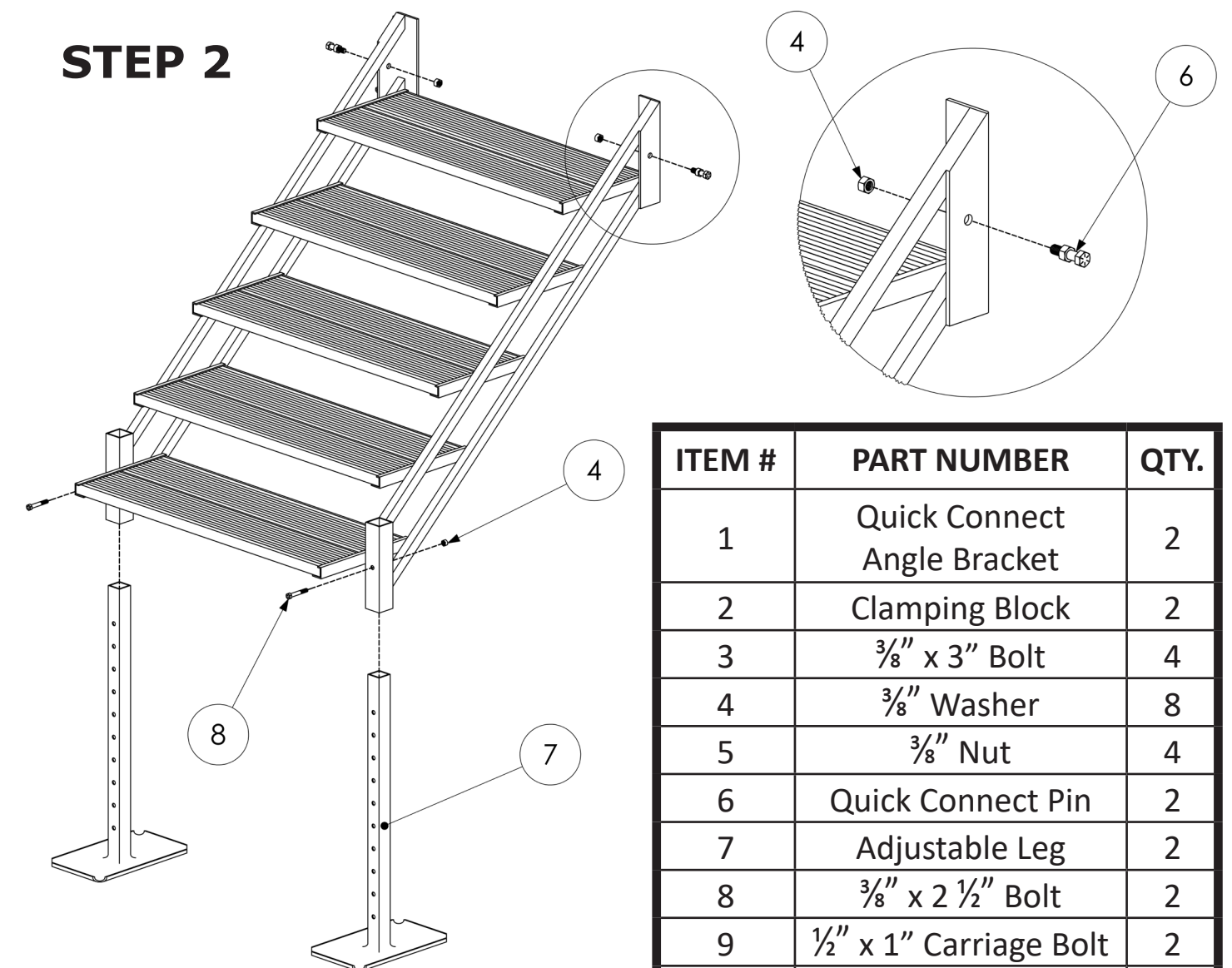


STEP 4

STEP 1



STEP 2

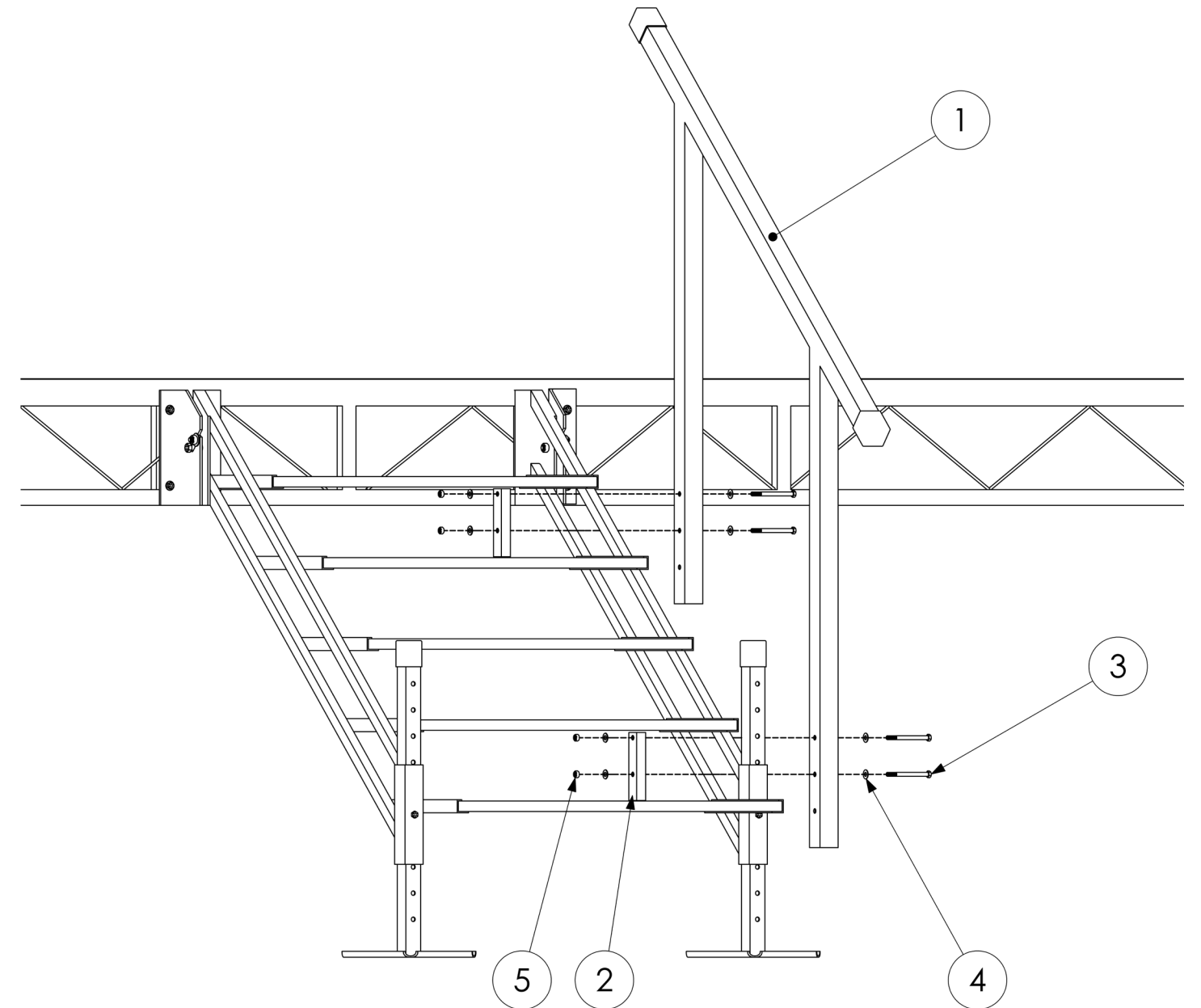
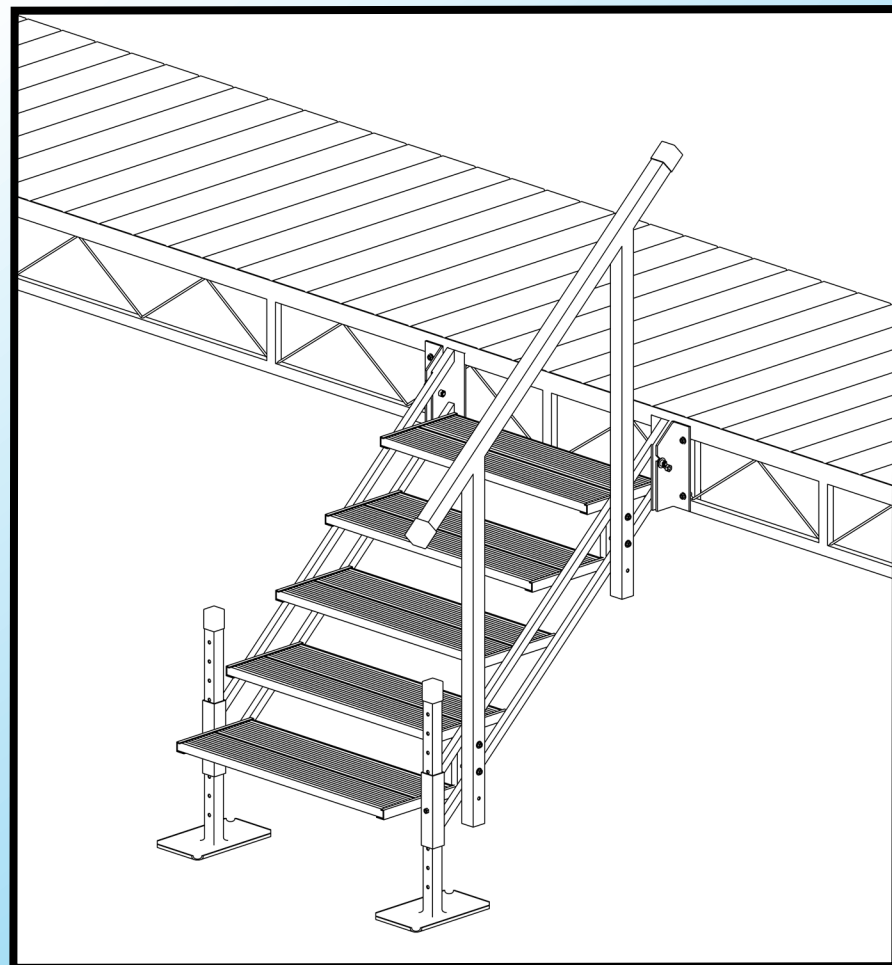


ITEM #	PART NUMBER	QTY.
1	Quick Connect Angle Bracket	2
2	Clamping Block	2
3	$\frac{3}{8}$ " x 3" Bolt	4
4	$\frac{3}{8}$ " Washer	8
5	$\frac{3}{8}$ " Nut	4
6	Quick Connect Pin	2
7	Adjustable Leg	2
8	$\frac{3}{8}$ " x 2 $\frac{1}{2}$ " Bolt	2
9	$\frac{1}{2}$ " x 1" Carriage Bolt	2
10	$\frac{1}{2}$ " Nut	2
11	$\frac{1}{2}$ " Washer	2

Dock Stair Handrails

Dock Accessory

(STEP 1) Clamp the dock stair handrail (*item #1*) to the side of the dock stairs using two short clamping blocks (*item #2*). Note the position and orientation of the clamping blocks in the diagram. The handrails have two different height settings. Decide how high you would like the handrails to rest and insert the $\frac{3}{8}$ " x $4\frac{1}{2}$ " bolts (*item #3*) with washers (*item #4*) into the holes on the handrail legs, through the middle of the step frame and through the two short clamping blocks. Thread on four $\frac{3}{8}$ " nuts (*item #5*) with washers and tighten all hardware to secure the dock stair handrails.



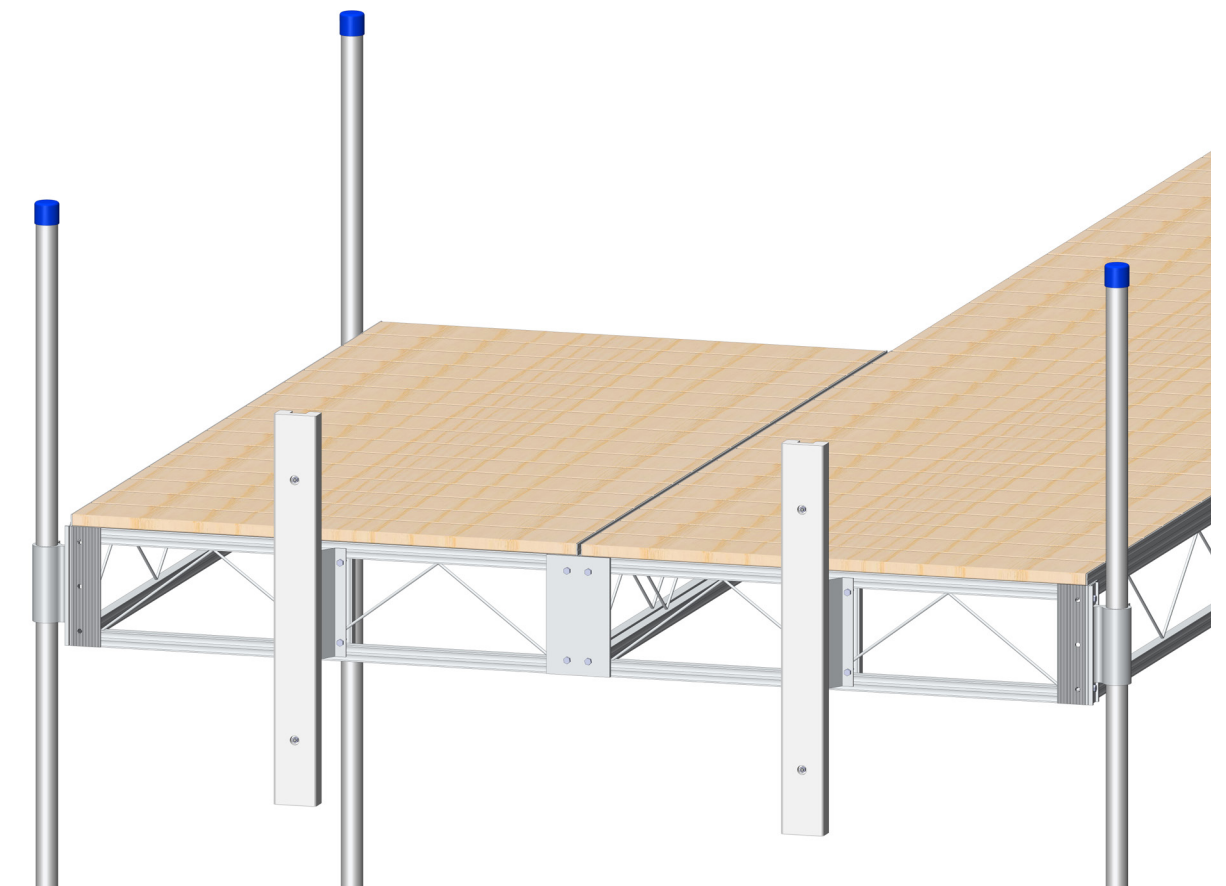
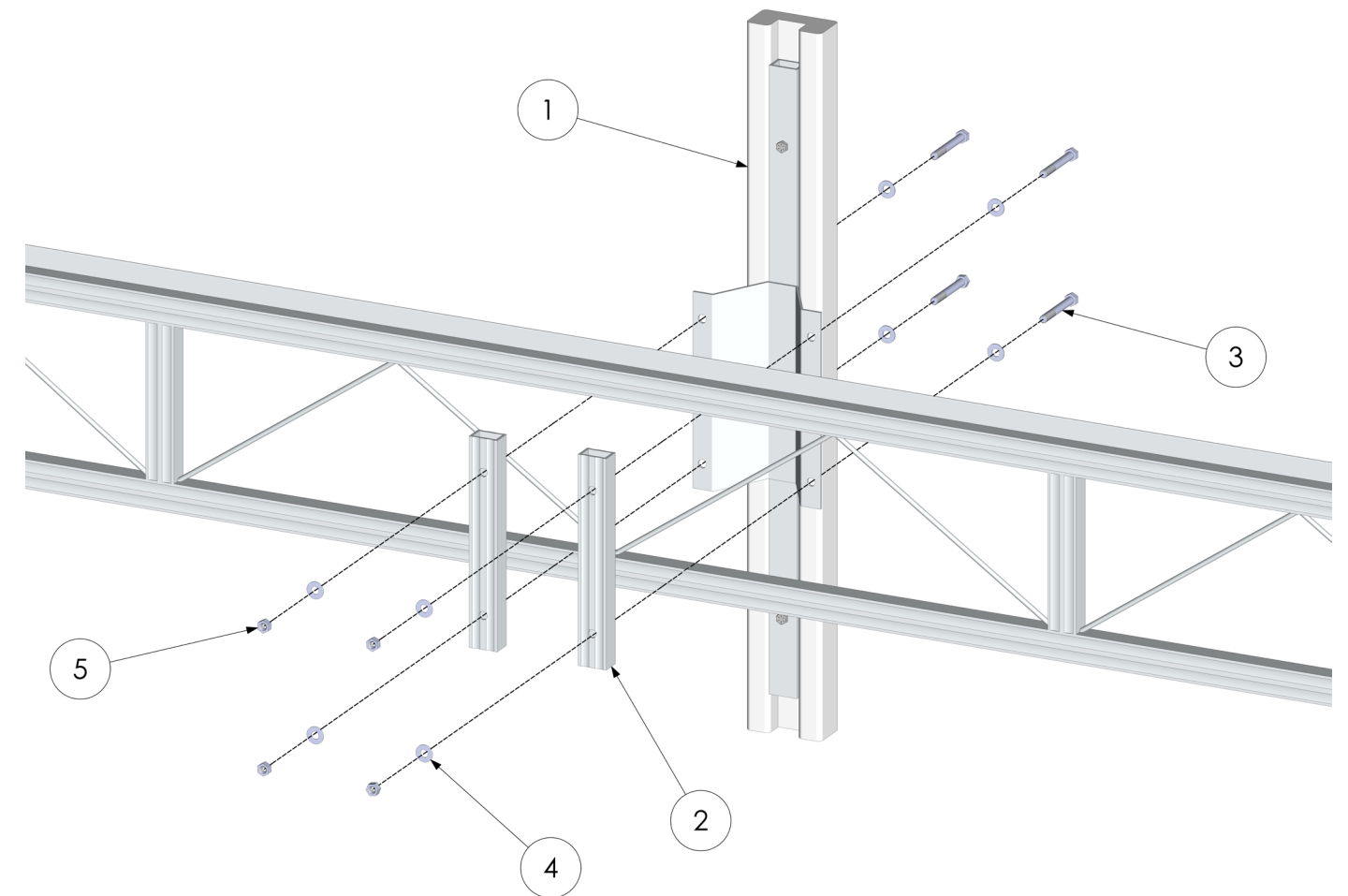
ITEM NUMBER	PART NUMBER	QUANTITY
1	Stair Handrail	1
2	Short Clamping Block	2
3	$\frac{3}{8}$ " x $4\frac{1}{2}$ " Bolt	4
4	$\frac{3}{8}$ " Washer	8
5	$\frac{3}{8}$ " Nut	4

Anywhere Bumpers

Dock Accessory

(STEP 1) Locate a spot on the dock where you would like to place the bumper. Clamp the anywhere bumper (*item #1*) to the side of the dock using two clamping blocks (*item #2*) and four $\frac{3}{8}$ " x 3" bolts (*item #3*) along with four $\frac{3}{8}$ " nuts (*item #4*).

ITEM NUMBER	PART NUMBER	QUANTITY
1	Anywhere Bumper	1
2	Clamping Block	2
3	$\frac{3}{8}$ " x 3" Bolt	4
4	$\frac{3}{8}$ " Washer	8
5	$\frac{3}{8}$ " Nut	4



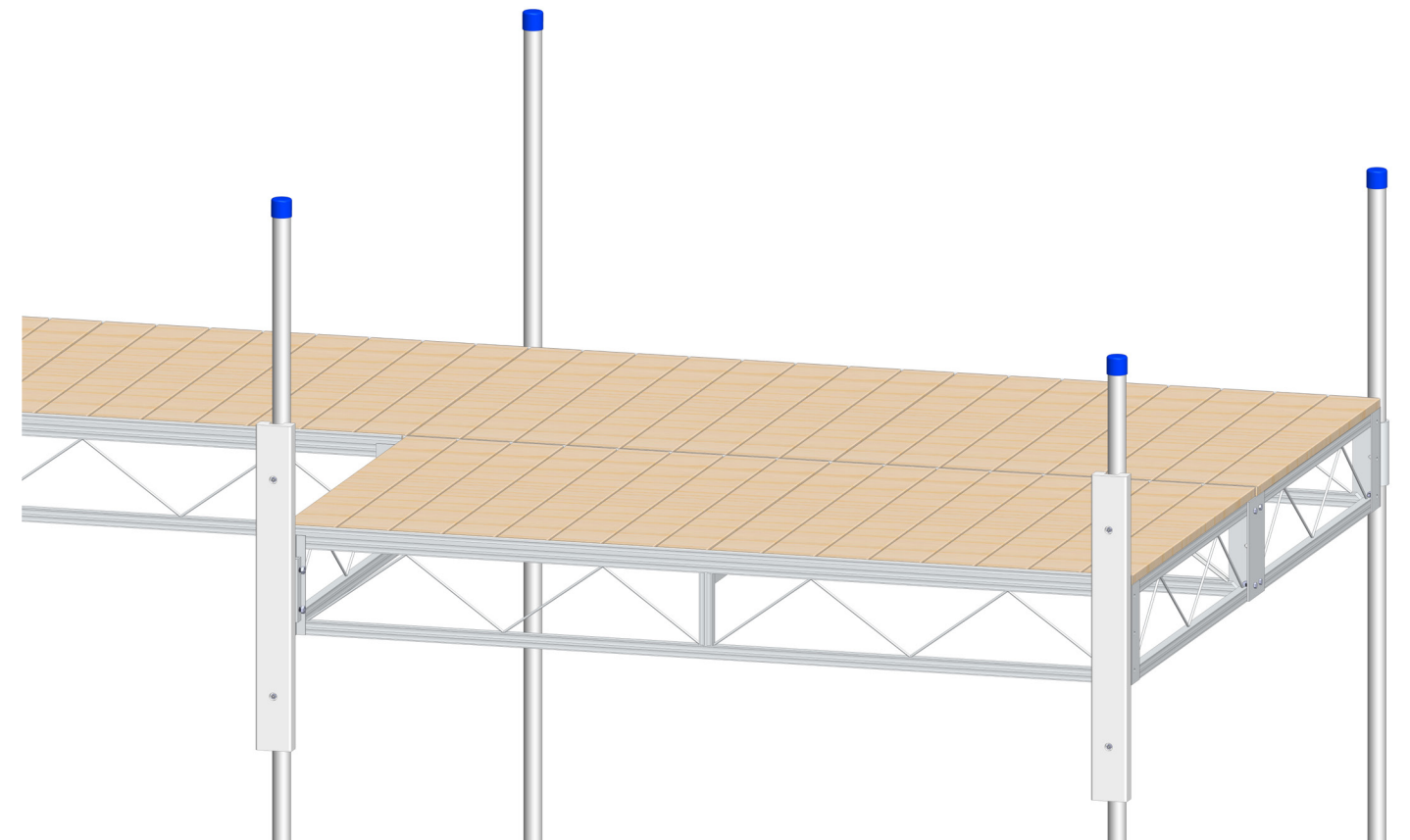
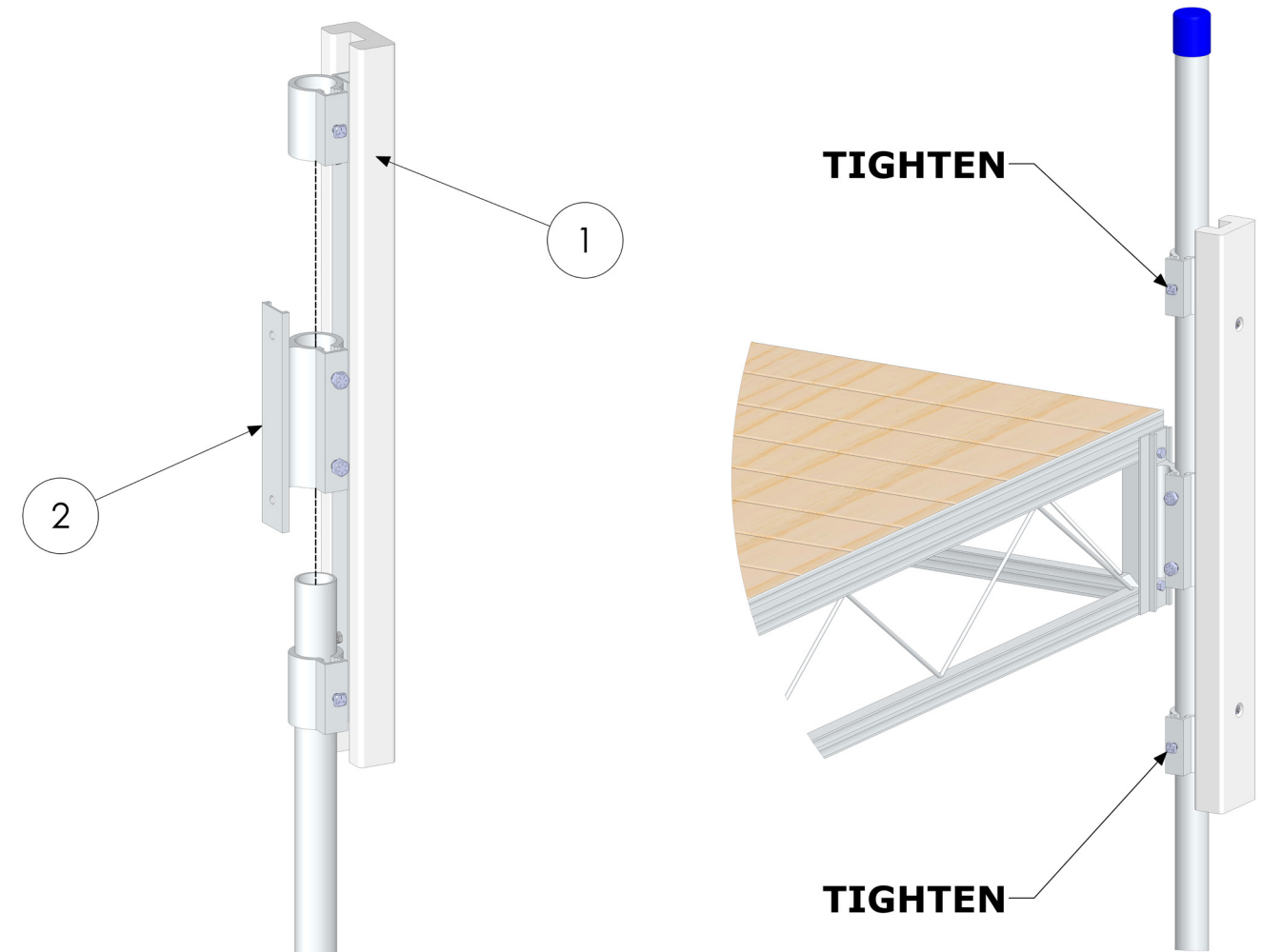
Post Bumpers

Dock Accessory

(STEP 1) Locate a post on the dock where you would like to place the bumper. Remove the post along with the post bracket. Remove the post cap, loosen the set screws using a $\frac{3}{4}$ " wrench and slide the post out of the post bracket.

(STEP 2) Slide the bottom bracket of the post bumper (item #1) over the post, followed by the post bracket (item #2) and then slide the rest of the bumper onto the post. Tighten the set screws on the post bumper using a $\frac{9}{16}$ " wrench to secure the post bumper, then bolt the post bracket back onto the dock.

ITEM NUMBER	PART NUMBER	QUANTITY
1	Post Bumper	1
2	Post Bracket	2

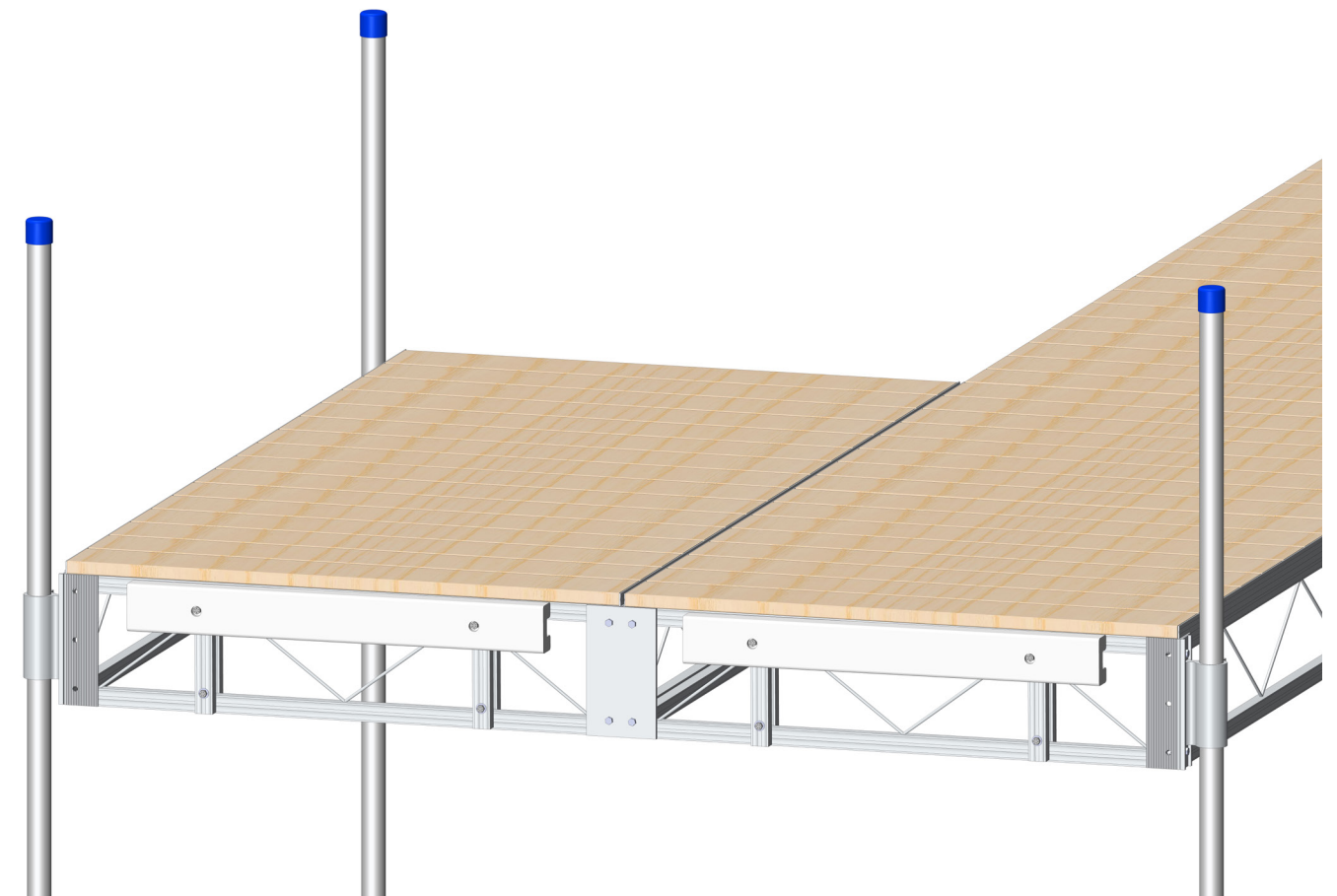
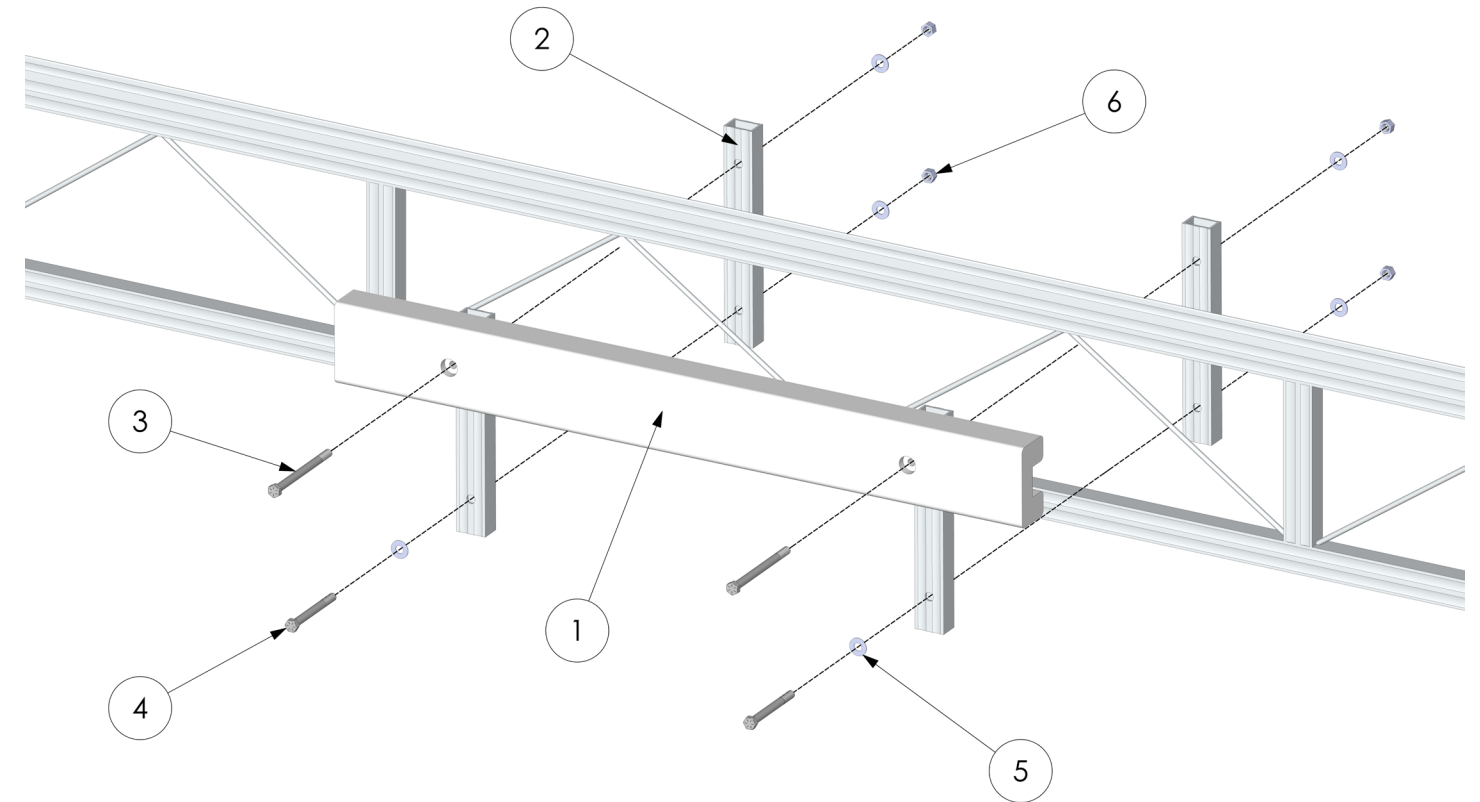


Horizontal Bumpers

Dock Accessory

(STEP 1) Locate a spot on the dock where you would like to place the bumper. Clamp the horizontal bumper (*item #1*) to the side of the dock using two clamping blocks (*item #2*). Insert two $\frac{3}{8}$ " x 5" bolts (*item #3*) into the top holes of the bumper, through the middle of the side of the dock frame and through the clamping blocks as shown in the figure. Fasten with $\frac{3}{8}$ " nuts (*item #6*) and washers (*item #5*). The bottom holes will receive $\frac{3}{8}$ " x 3 $\frac{3}{4}$ " bolts (*item #4*) accompanied with washers.

ITEM NUMBER	PART NUMBER	QUANTITY
1	Horizontal Bumper	1
2	Clamping Block	2
3	$\frac{3}{8}$ " x 5" Bolt	2
4	$\frac{3}{8}$ " x 3 $\frac{3}{4}$ " Bolt	2
5	$\frac{3}{8}$ " Washer	6
6	$\frac{3}{8}$ " Nut	4

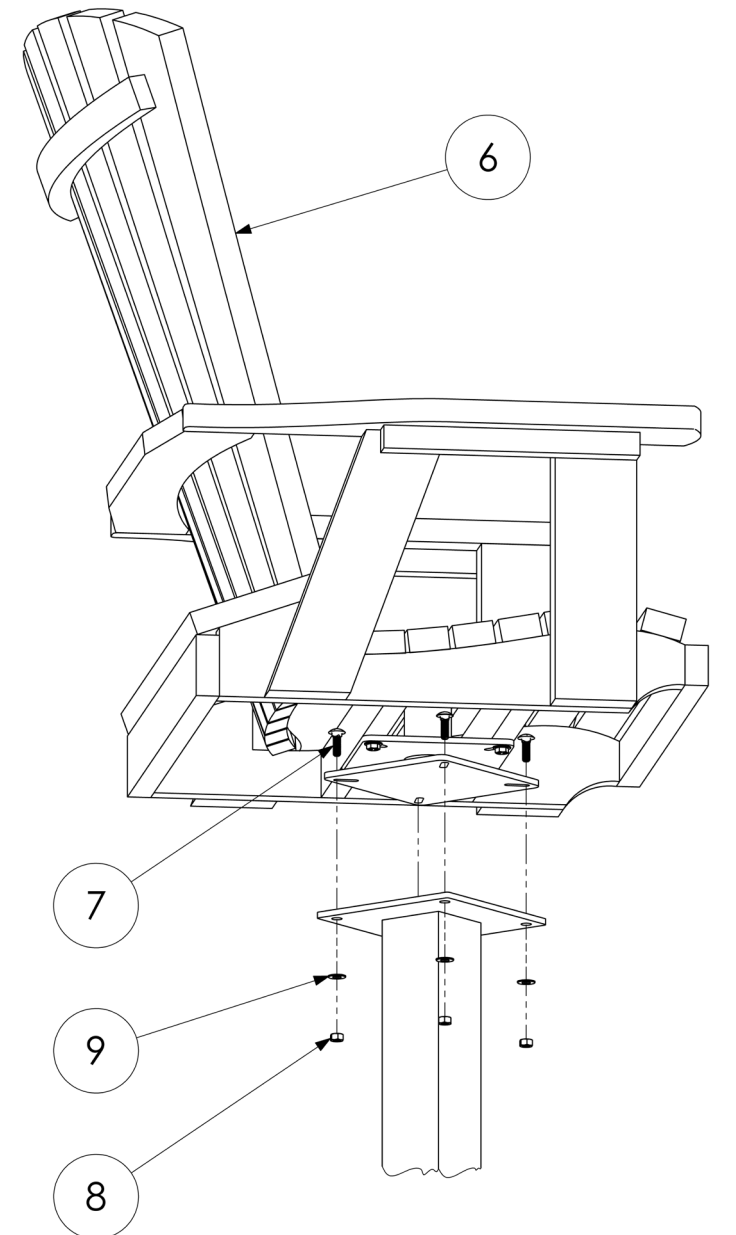
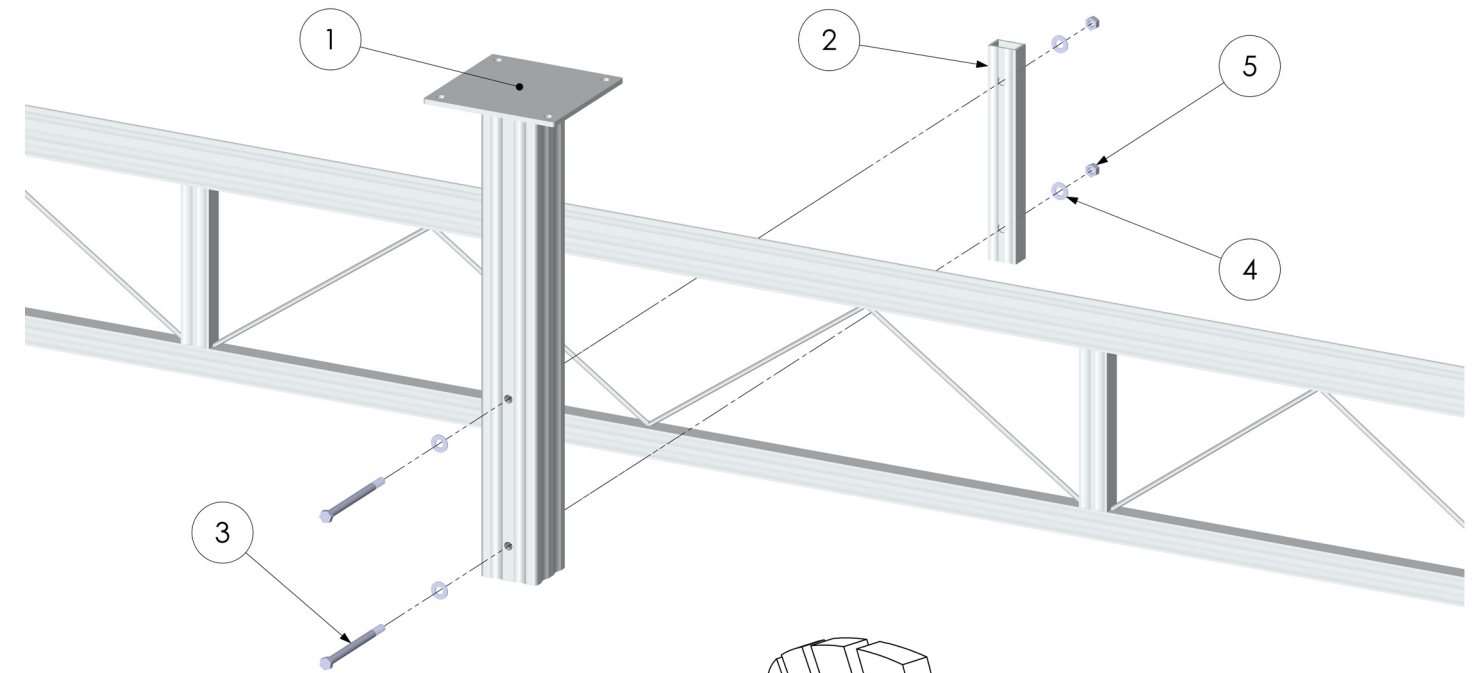
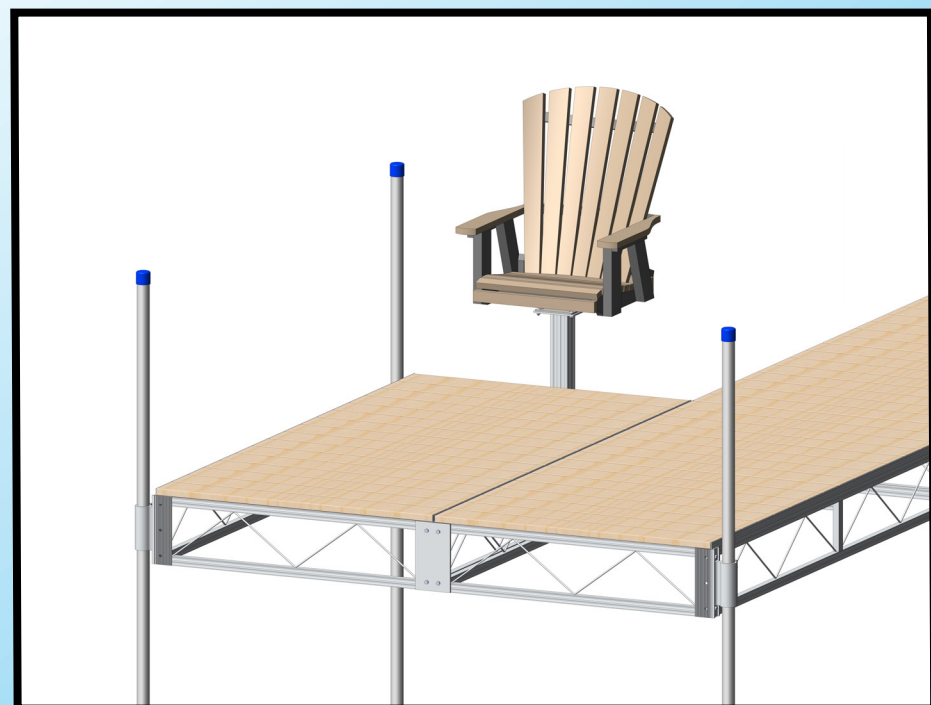


Adirondack Chair

Dock Accessory

(STEP 1) Locate a spot on the dock where you would like to mount the chair. Attach the chair mount (item #1) to the side of the dock section using a clamping block (item #2). Insert two $\frac{3}{8}$ " x 5 $\frac{1}{2}$ " bolts (item #3) with washers (item #4) through the holes in the chair mount, through the middle of the dock section, and through the holes in the clamping block. Fasten with a pair of $\frac{3}{8}$ " nuts (item #5) and washers to secure the chair mount to the dock section.

(STEP 2) Now set the adirondack chair (item #6) on top of the chair mount you've just installed and line up the holes on the mount plate to the slots on the chair plate. Insert four $\frac{5}{16}$ " x 1" carriage bolts (item #7) through the top of the chair plate and fasten with $\frac{5}{16}$ " nuts (item #8) and washers (item #9).



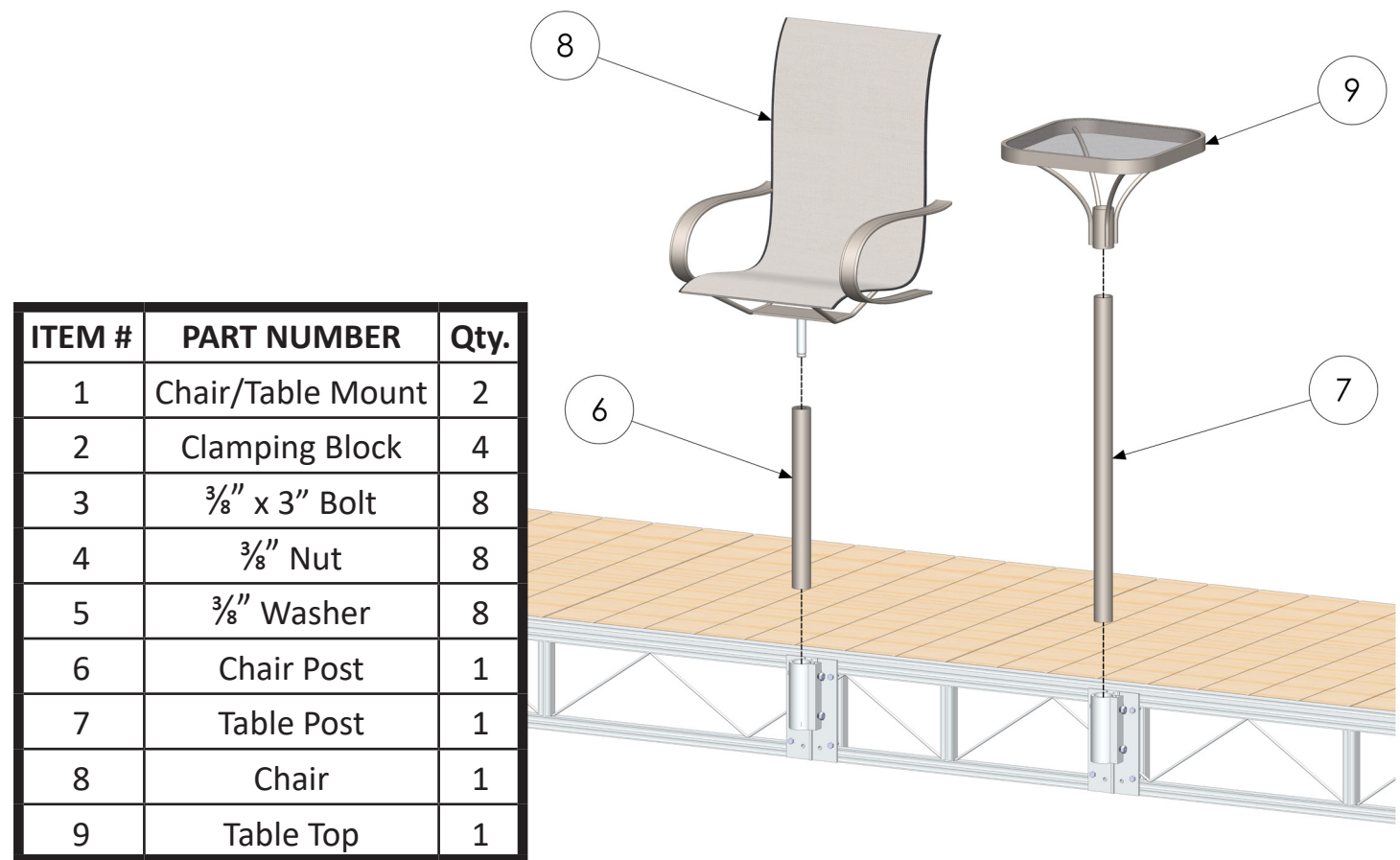
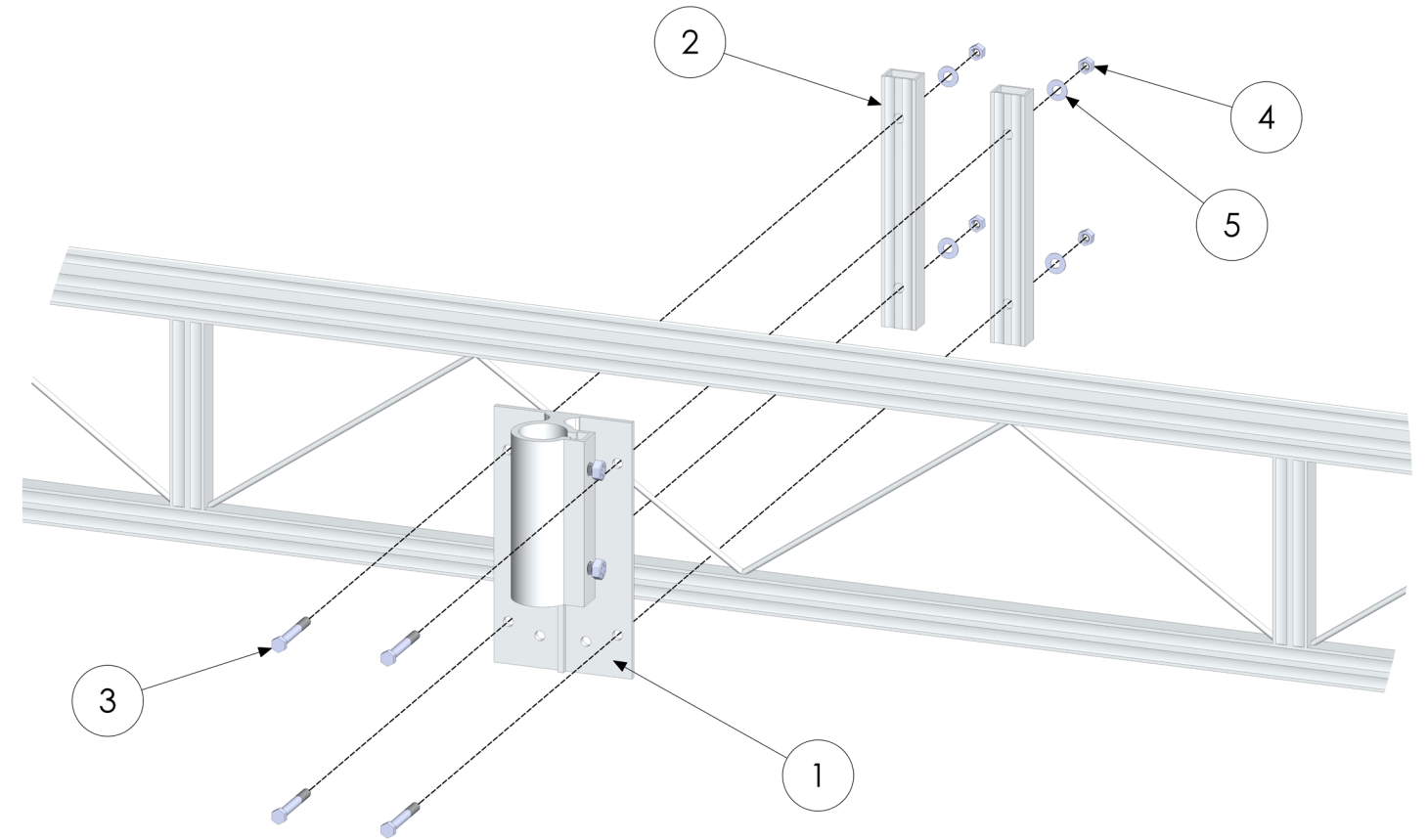
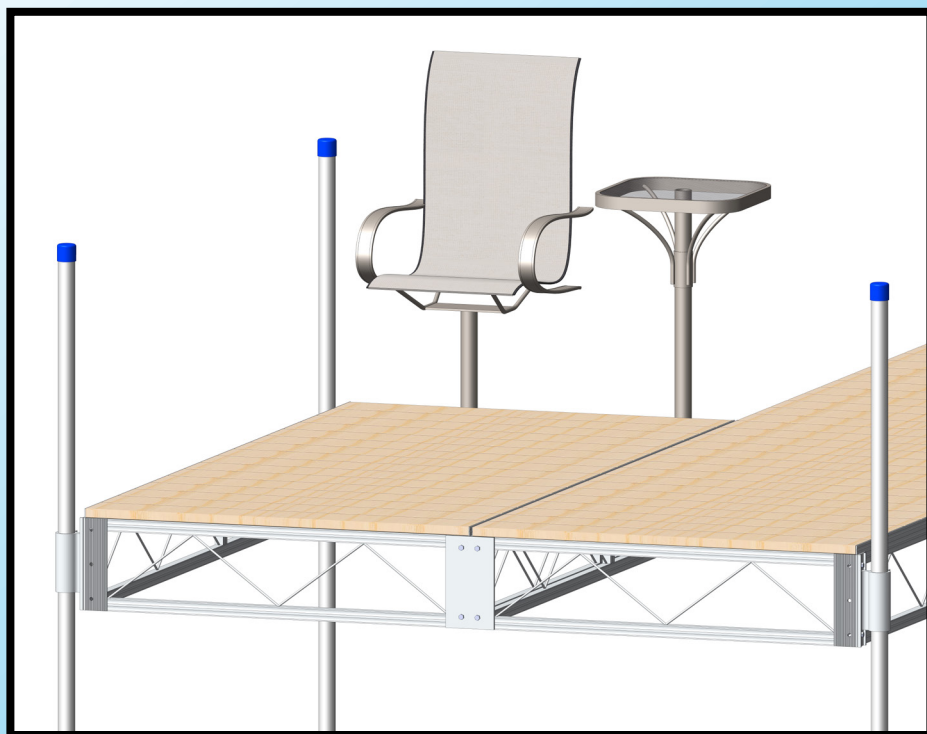
ITEM #	PART NUMBER	QTY.
1	Chair Mount	1
2	Clamping Block	1
3	$\frac{3}{8}$ " x 5 $\frac{1}{2}$ " Bolt	2
4	$\frac{3}{8}$ " Washer	2
5	$\frac{3}{8}$ " Nut	2
6	Adirondack Chair	1
7	$\frac{5}{16}$ " x 1" Carriage Bolt	4
8	$\frac{5}{16}$ " Nut	4
9	$\frac{5}{16}$ " Washer	4

Chair & Table

Dock Accessory

(STEP 1) Locate a spot on the dock where you would like to install the chair & table. Clamp the chair/table mounts (*item #1*) to the side of the dock frame using two clamping blocks (*item #2*) per bracket. Position the mount so that the open end of the bracket is facing upwards and insert four $\frac{3}{8}$ " x 3" bolts (*item #3*) through the holes in the chair mount, through the middle of the dock section and through the holes in the clamping blocks. Fasten the chair & table mount securely with four $\frac{3}{8}$ " nuts (*item #4*) and washers (*item #5*).

(STEP 2) Insert the chair post (*item #6*) and the table post (*item #7*) into the mounts and tighten the set screws on the chair/table mount using a $\frac{3}{4}$ " wrench. Now slide the stub on the bottom of the chair (*item #8*) into the top of the chair post. Slide the table top (*item #9*) onto the table post and insert the locking pin to lock it in place.



ITEM #	PART NUMBER	Qty.
1	Chair/Table Mount	2
2	Clamping Block	4
3	$\frac{3}{8}$ " x 3" Bolt	8
4	$\frac{3}{8}$ " Nut	8
5	$\frac{3}{8}$ " Washer	8
6	Chair Post	1
7	Table Post	1
8	Chair	1
9	Table Top	1

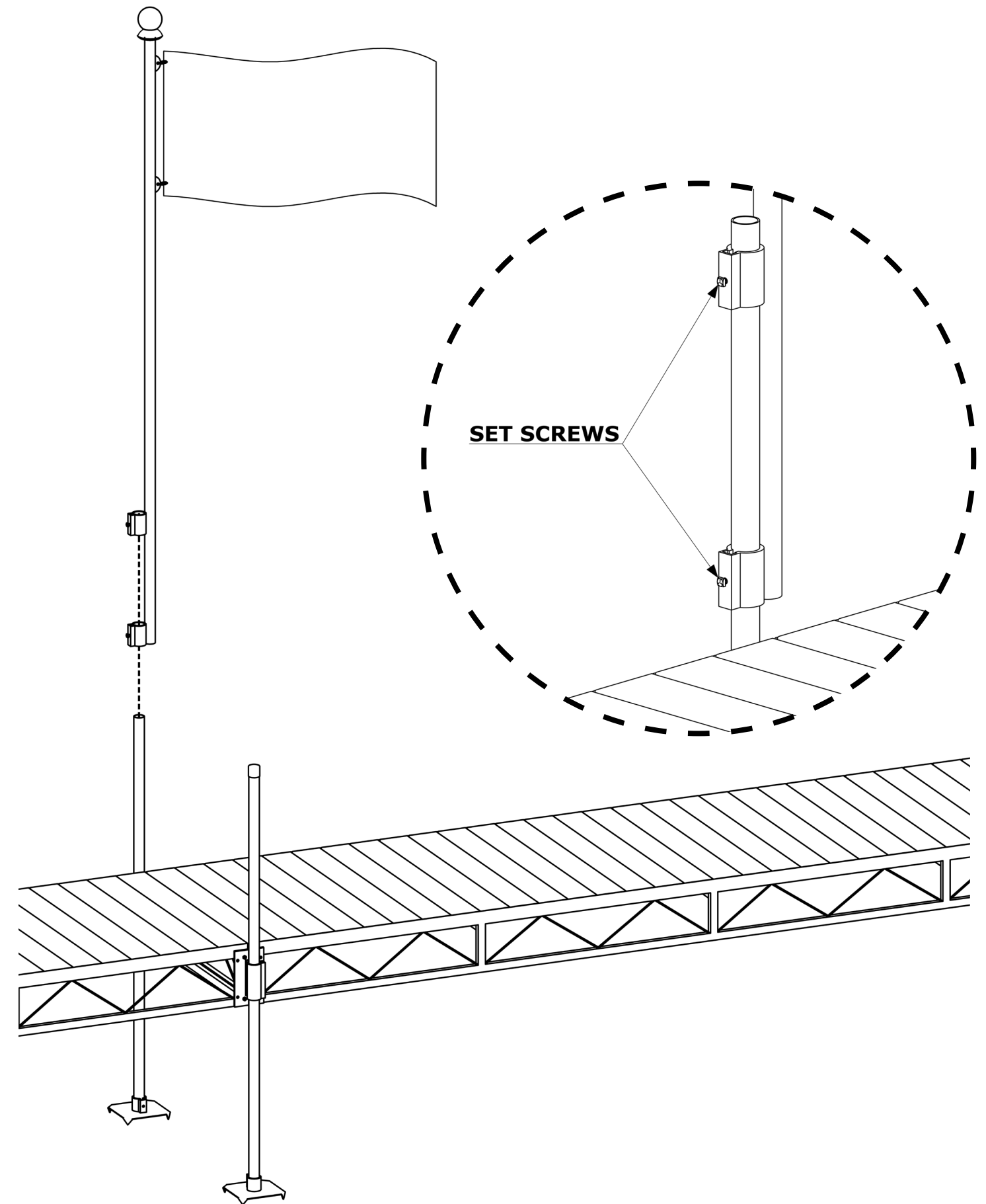
Flag Pole

Dock Accessory

(STEP 1) Attach your flag to the top of the flagpole using the two carabiners.

(STEP 2) Locate a post on the dock where you would like to place the flag pole and remove the post cap. Slide the brackets on the flagpole onto the post.

(STEP 3) Tighten the set screws using a $\frac{9}{16}$ " wrench to secure the flagpole.



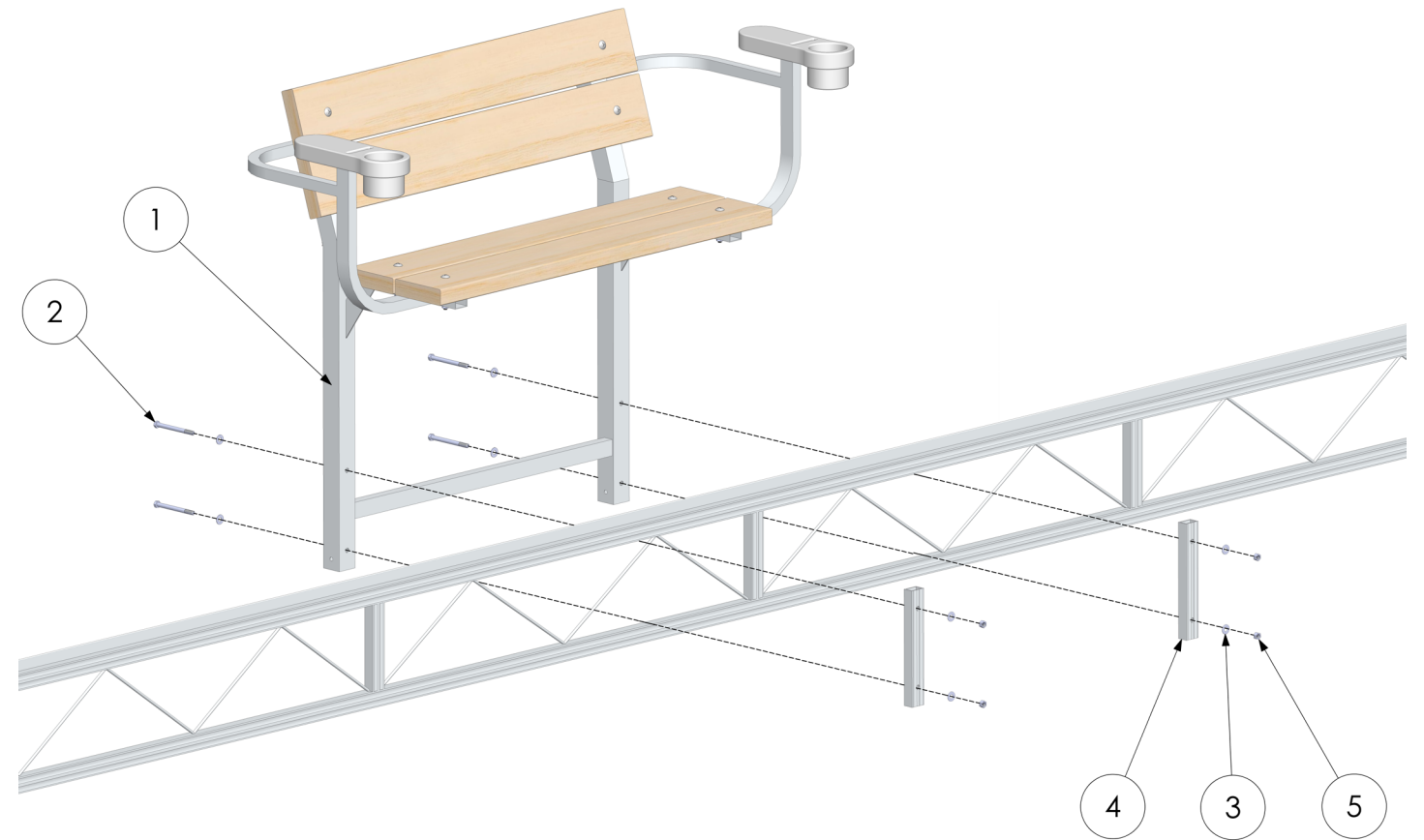
Bench

Dock Accessory

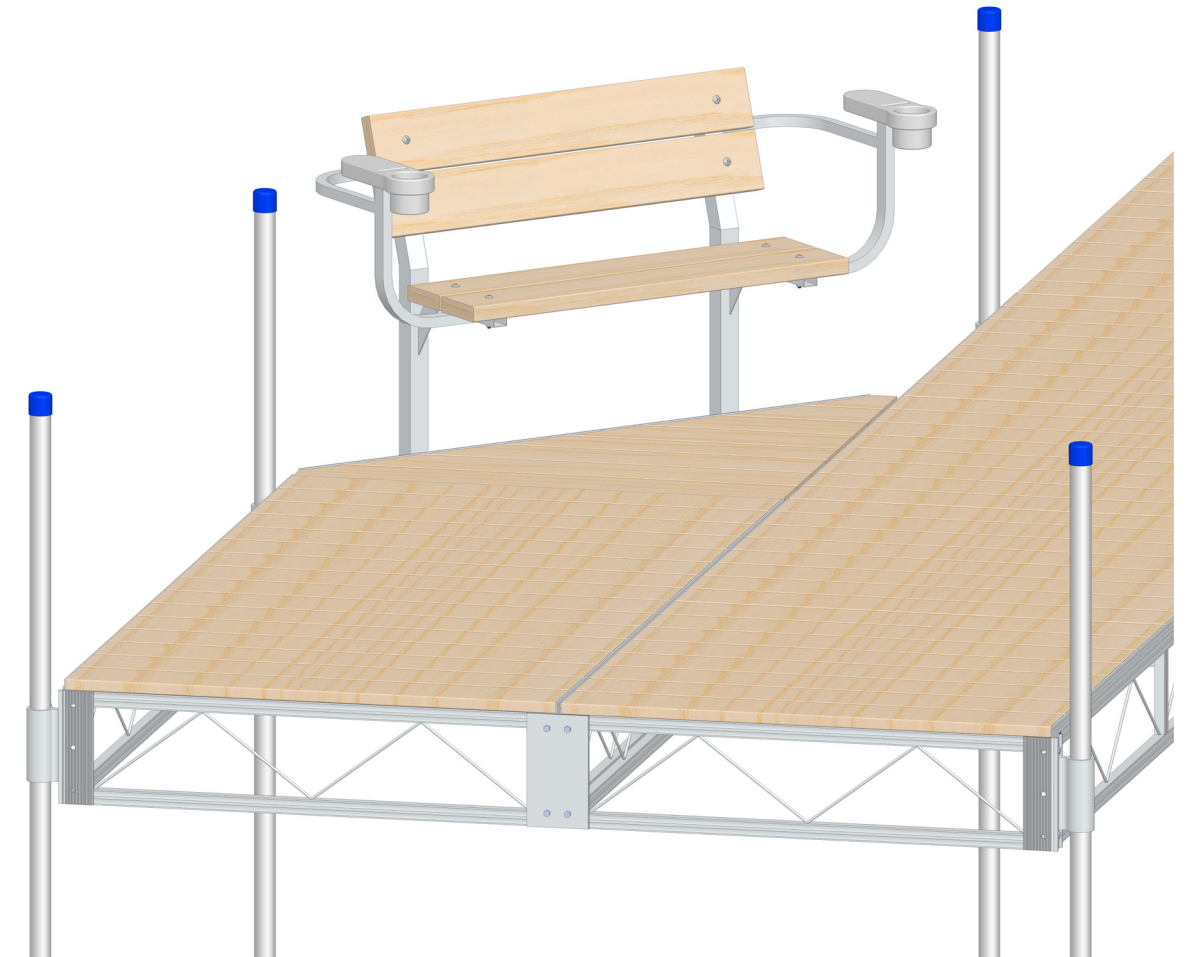
(STEP 1) Locate a spot on the dock where you would like to mount the bench (*item #1*) and have another person hold it in place.

Insert four $\frac{3}{8}$ " x 4 $\frac{1}{2}$ " bolts (*item #2*) with washers (*item #3*) through the holes in the bottom of the bench legs.

Now place the two-holed blocks (*item #4*) on the bolts and tighten with four $\frac{3}{8}$ " nuts (*item #5*) and washers, clamping the bench to the dock section.



ITEM NUMBER	PART NUMBER	QUANTITY
1	Bench	1
2	$\frac{3}{8}$ " x 4 $\frac{1}{2}$ " Bolt	4
3	$\frac{3}{8}$ " Washer	8
4	Two-Holed Block	2
5	$\frac{3}{8}$ " Nut	4



Quick Connect Brackets

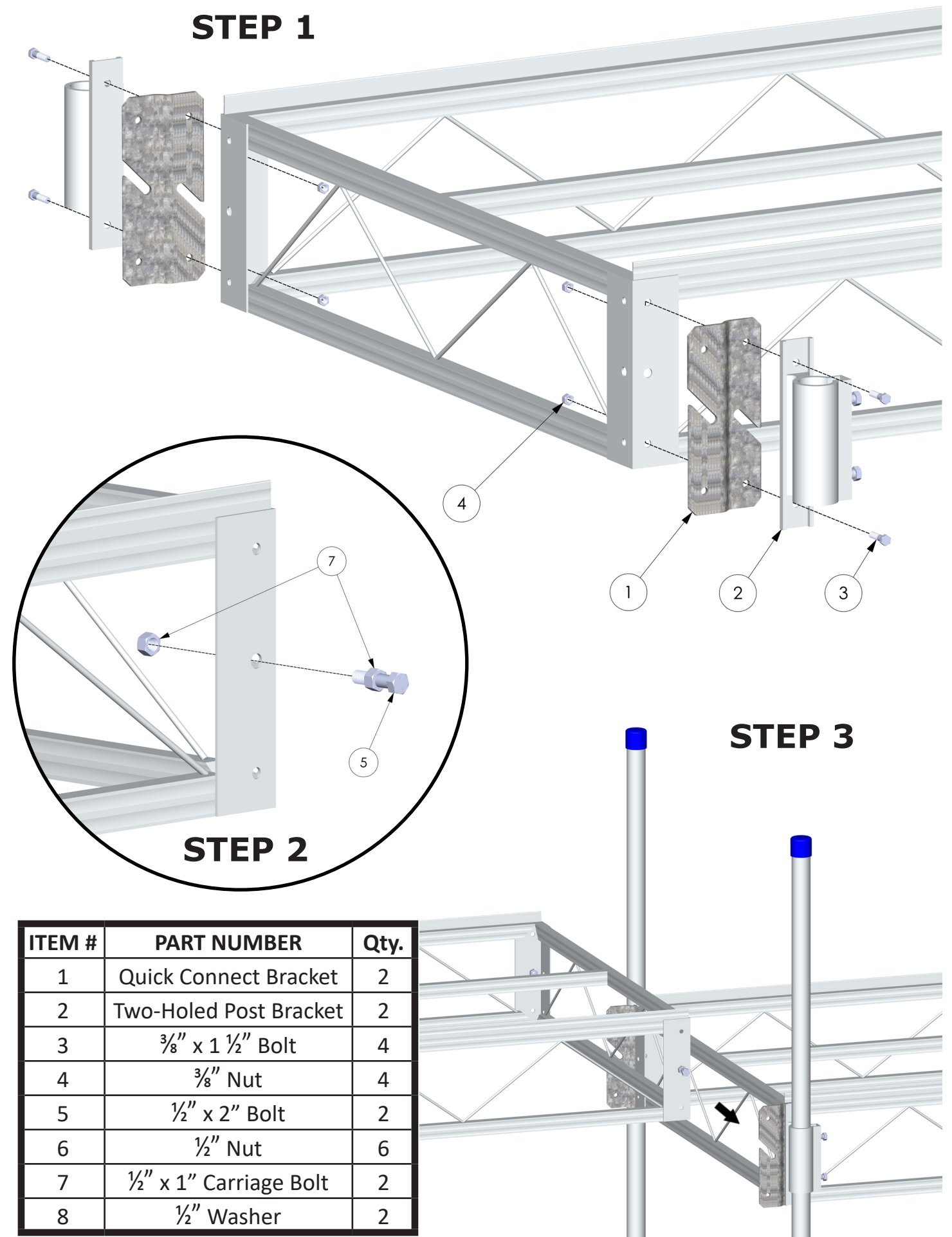
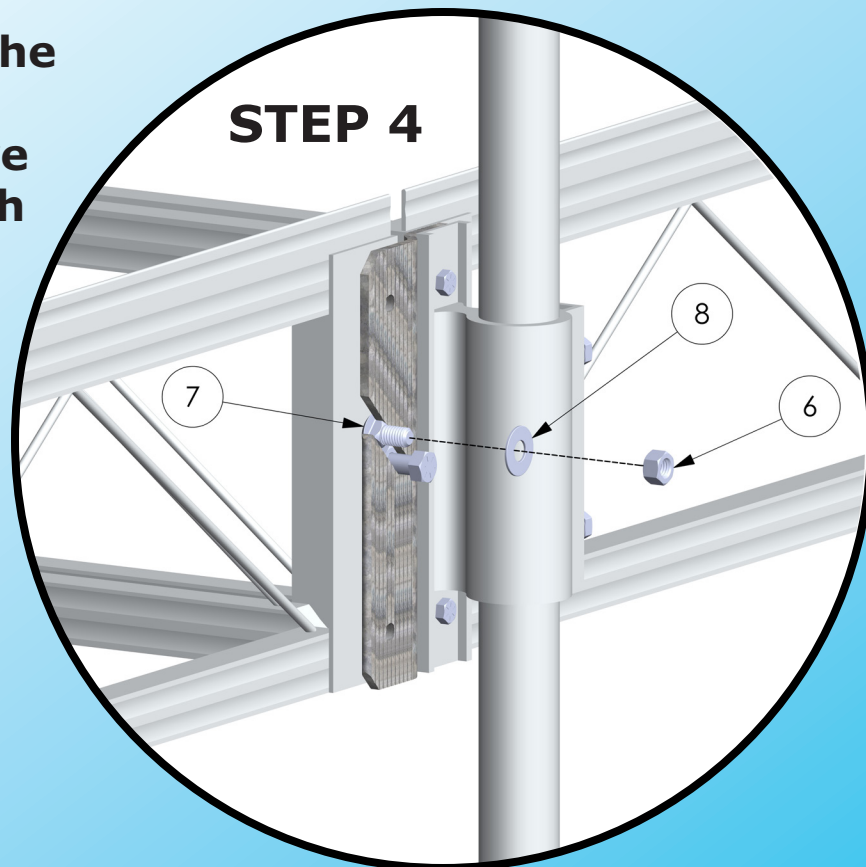
Dock Accessory

(STEP 1) Place the quick connect brackets (*item #1*) onto the end of the dock section where you would like the dock disconnected at. Ensure that the flanges on the quick connect brackets face outward as shown in the figure. Bolt the two-holed dock post brackets (*item #2*) along with the quick connect brackets onto the corners of the dock section using four $\frac{3}{8}$ " x $1\frac{1}{2}$ " bolts (*item #3*) as shown in the figure. Fasten with four $\frac{3}{8}$ " nuts (*item #4*).

(STEP 2) On the frame that will join with the quick connect brackets, bolt on the $\frac{1}{2}$ " x 2" bolts (*item #5*) using two $\frac{1}{2}$ " nuts (*item #6*) in each of the middle holes on the sides of the frame corner as shown in the figure.

(STEP 3) Once the posts have been adjusted, slip the frame with the pegs into the quick connect brackets.

(STEP 4) Insert the $\frac{1}{2}$ " x 1" carriage bolts (*item #7*) in the slot above the pegs and fasten with a $\frac{1}{2}$ " nut and washer (*item #8*) to secure the dock sections.



ITEM #	PART NUMBER	Qty.
1	Quick Connect Bracket	2
2	Two-Holed Post Bracket	2
3	$\frac{3}{8}$ " x $1\frac{1}{2}$ " Bolt	4
4	$\frac{3}{8}$ " Nut	4
5	$\frac{1}{2}$ " x 2" Bolt	2
6	$\frac{1}{2}$ " Nut	6
7	$\frac{1}{2}$ " x 1" Carriage Bolt	2
8	$\frac{1}{2}$ " Washer	2

Angle Quick Connect Brackets

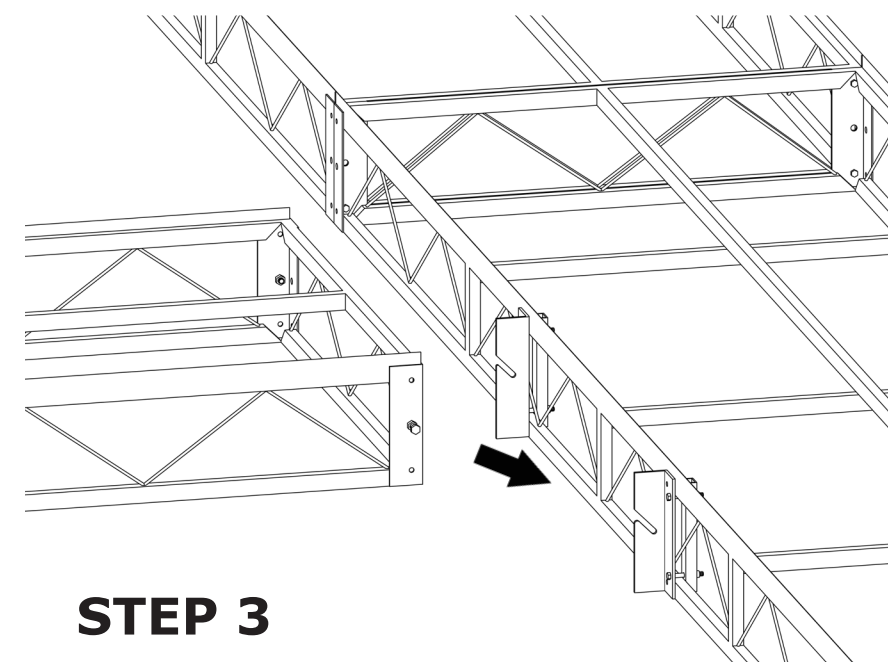
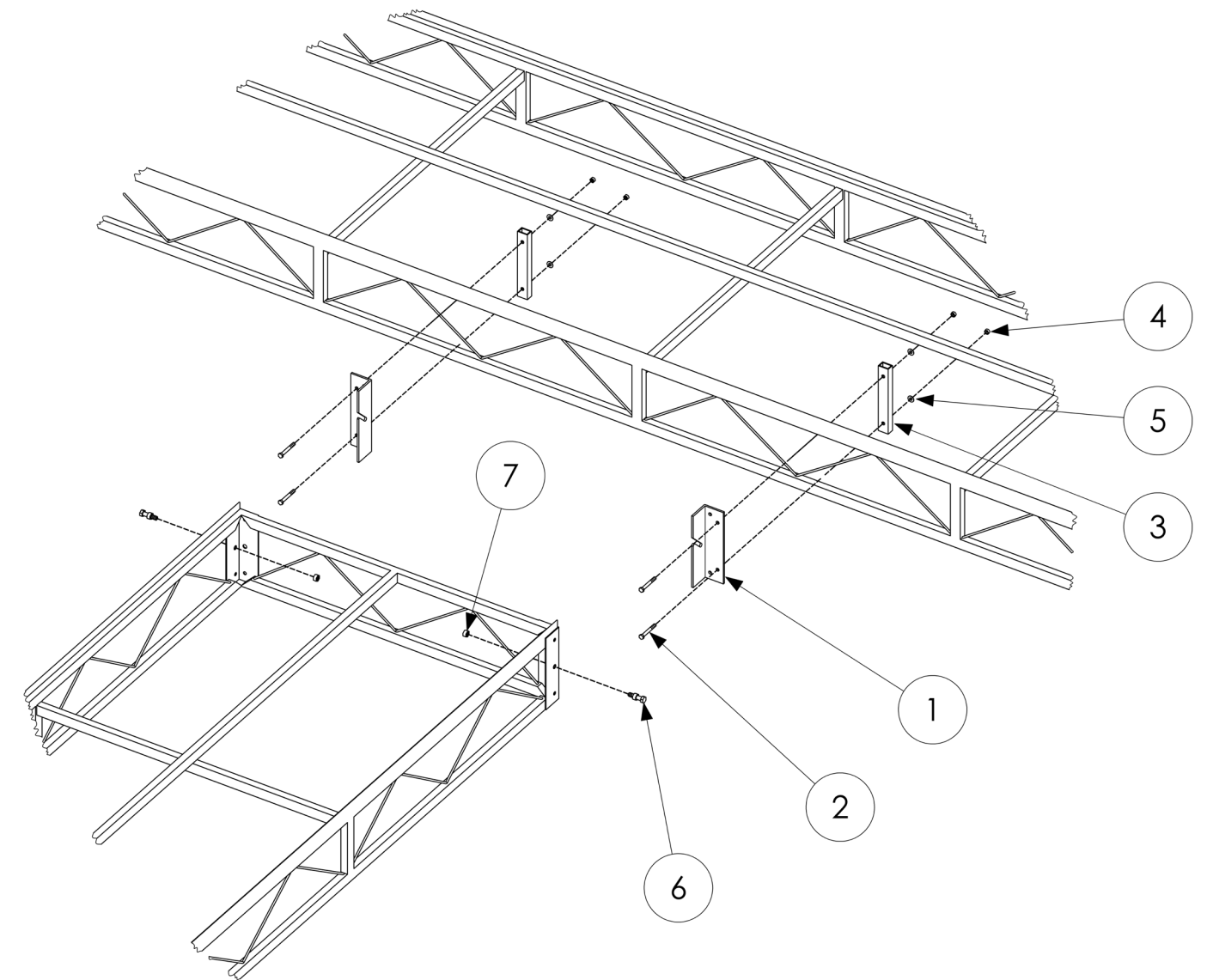
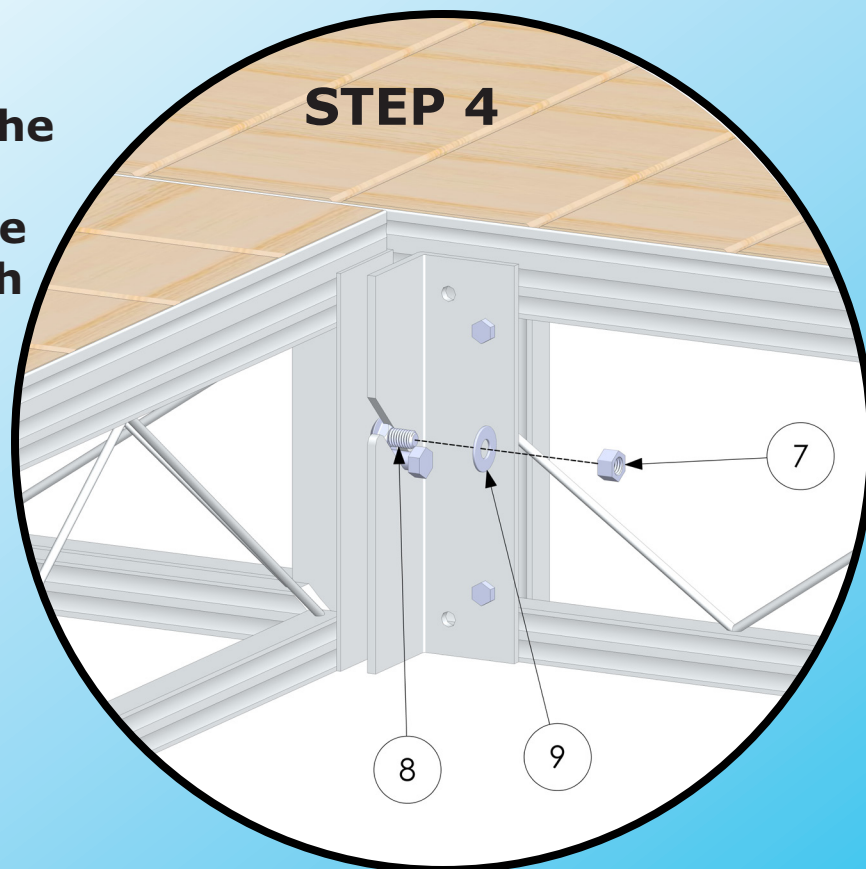
Dock Accessory

(STEP 1) Place the angle quick connect brackets (*item #1*) onto the end of the dock section where you would like the dock disconnected at. Ensure that the flanges on the quick connect brackets face outward as shown in the figure. Insert two $\frac{3}{8}$ " x 3" bolts (*item #2*) through the holes in the brackets that are closest together, and then through the middle of the dock section. Slide two clamping blocks (*item #3*) on the bolts and fasten with $\frac{3}{8}$ " nuts (*item #4*) and washers (*item #5*).

(STEP 2) On the frame that will join with the quick connect brackets, bolt on the $\frac{1}{2}$ " x 2" bolts (*item #5*) using two $\frac{1}{2}$ " nuts (*item #6*) in each of the middle holes on the sides of the frame corner as shown in the figure.

(STEP 3) Now slip the frame with the pegs into the quick connect brackets.

(STEP 4) Insert the $\frac{1}{2}$ " x 1" carriage bolts (*item #8*) in the slot above the pegs and fasten with a $\frac{1}{2}$ " nut and washer (*item #9*) to secure the dock sections.



STEP 3

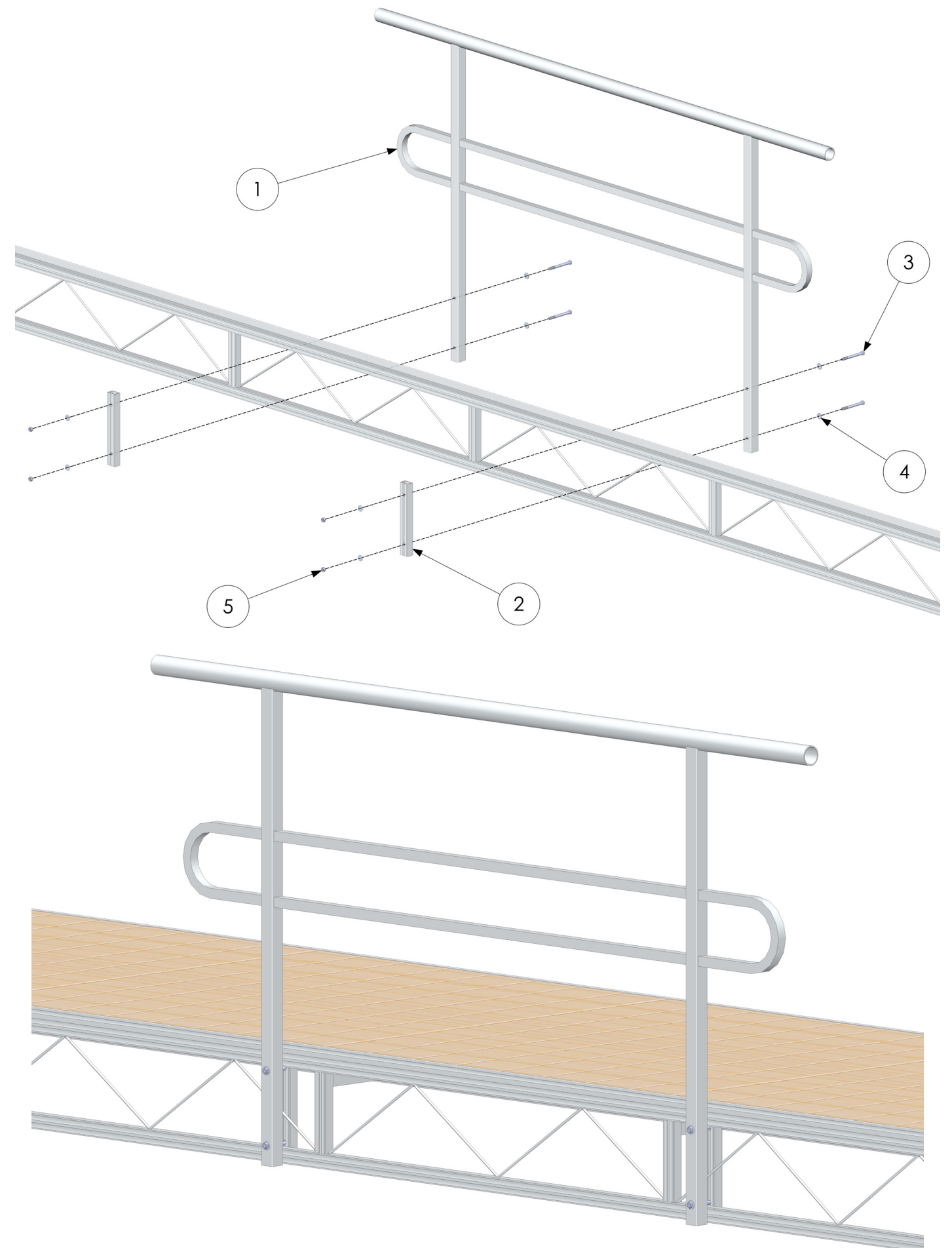
ITEM #	PART NUMBER	Qty.
1	Angle Quick Connect	2
2	$\frac{3}{8}$ " x 3" Bolt	4
3	Clamping Block	2
4	$\frac{3}{8}$ " Nut	4
5	$\frac{3}{8}$ " Washer	4
6	Quick Connect Pin	2
7	$\frac{1}{2}$ " Nut	4
8	$\frac{1}{2}$ " x 1" Carriage Bolt	2
9	$\frac{1}{2}$ " Washer	2

Handrail

Dock Accessory

(STEP 1) Locate a spot on the dock where you would like to install the handrail (*item #1*). Attach the handrail to the side of the dock section using two clamping blocks (*item #2*). Insert four $\frac{3}{8}$ " x 4" bolts (*item #3*) with washers (*item #4*) through the holes in the handrail, through the middle of the dock section, and through the holes in the clamping blocks. Fasten with $\frac{3}{8}$ " nuts (*item #5*) and washers.

ITEM NUMBER	PART NUMBER	QUANTITY
1	Handrail	1
2	Clamping Block	2
3	$\frac{3}{8}$ " x 4" Bolt	4
4	$\frac{3}{8}$ " Washer	8
5	$\frac{3}{8}$ " Nut	4



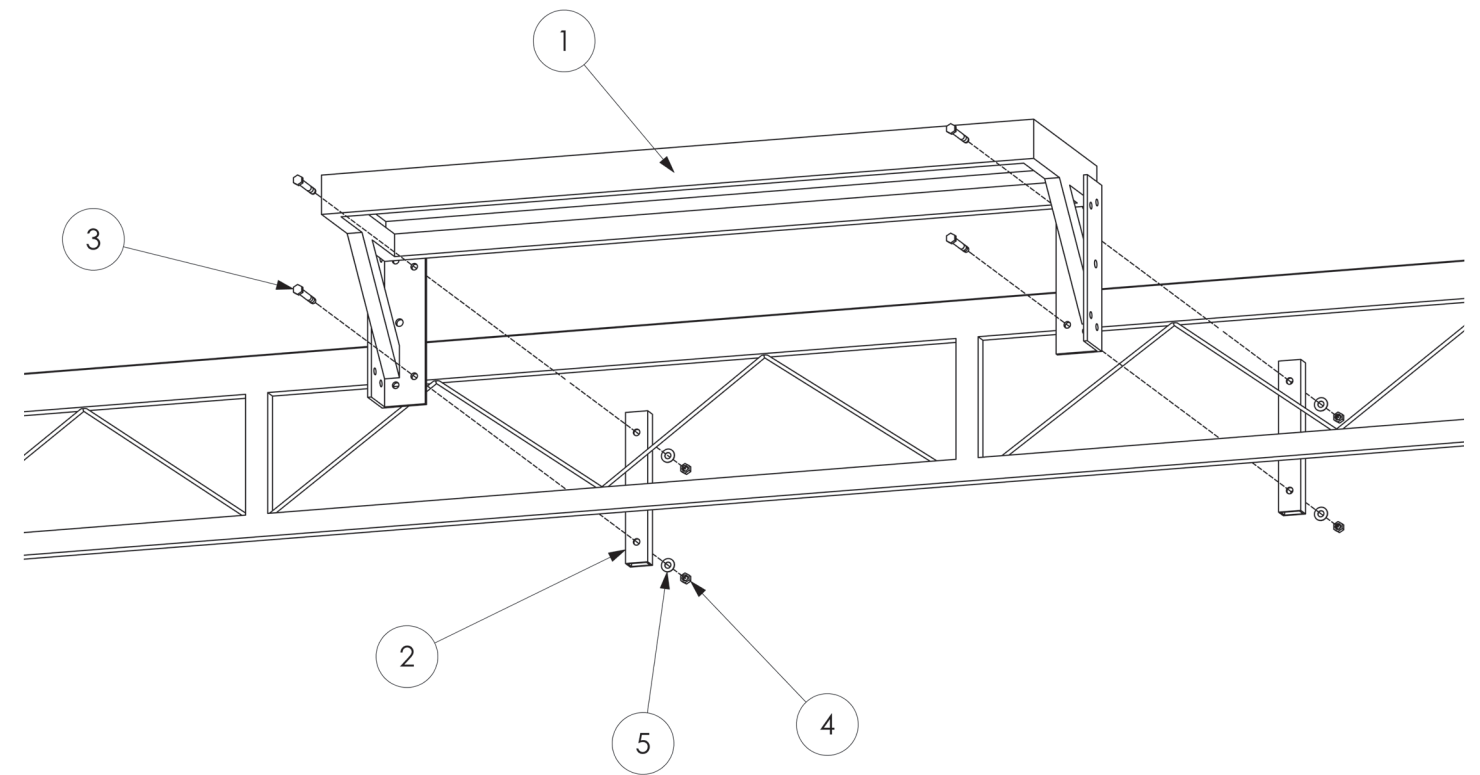
Side Step

Dock Accessory

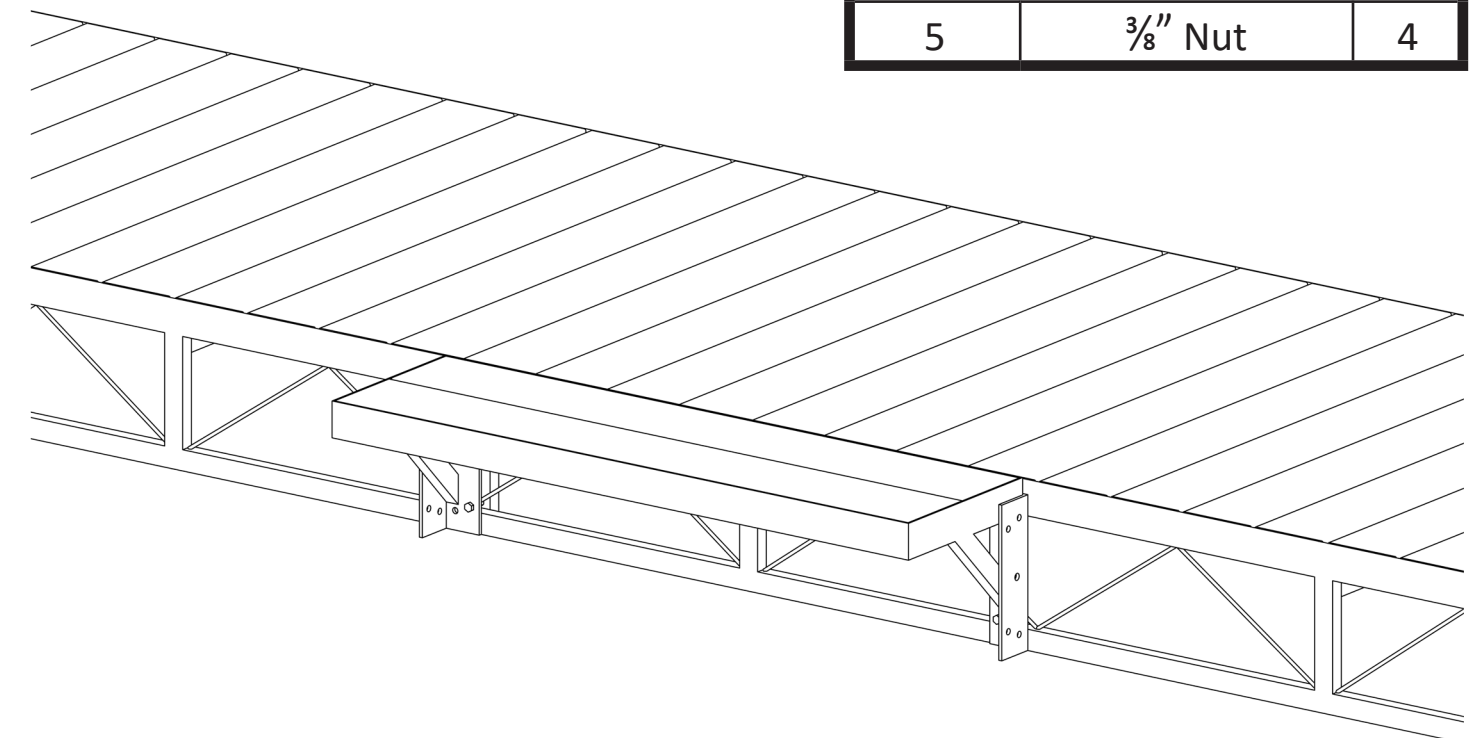
(STEP 1) Locate a spot on the dock where you would like to install the side step (*item #1*).

Attach the side step to the side of the dock section using two clamping blocks (*item #2*). Insert four $\frac{3}{8}$ " x 3" bolts (*item #3*) through the holes closest together on the side step angle piece, through the middle of the dock section, and through the holes in the clamping blocks. Fasten with $\frac{3}{8}$ " nuts (*item #5*) and washers (*item #4*). Place the side step decking onto the top of the side step to complete installation.

*****BE SURE TO TIGHTEN ALL HARDWARE BEFORE USE*****



ITEM #	PART NUMBER	Qty.
1	Side Step	1
2	Clamping Block	2
3	$\frac{3}{8}$ " x 3" Bolt	4
4	$\frac{3}{8}$ " Washer	4
5	$\frac{3}{8}$ " Nut	4

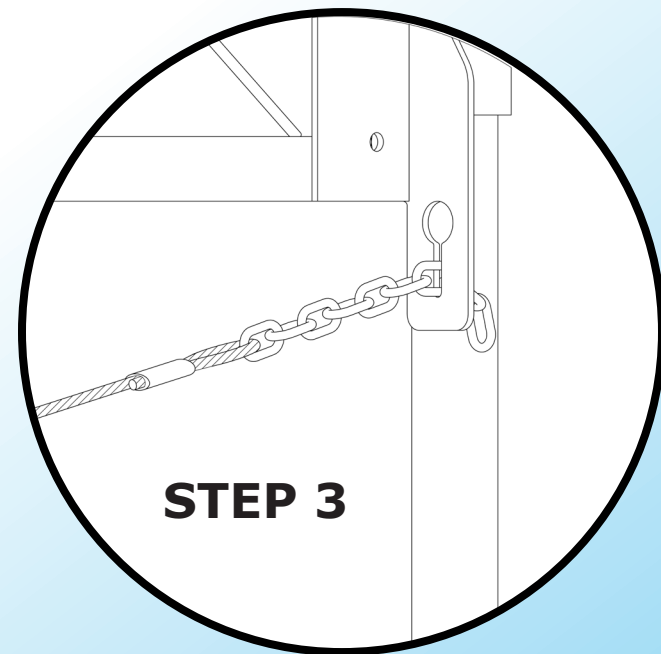
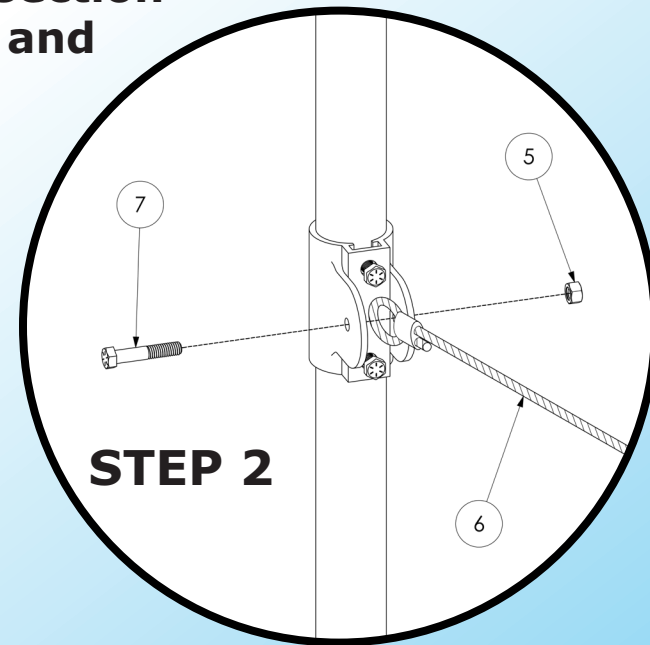


X-Brace Cables

Dock Accessory

(STEP 1) Take the posts (*item #2*) out of the two-holed brackets. Slide the X-brace cable post mounts (*item #1*) onto the posts below the two-holed brackets with the tabs facing each other and tighten the set screws. Now bolt on the X-brace cable plate (*item #3*) in between the two-holed bracket and the dock section using two $\frac{3}{8}$ " x 1" bolts (*item #4*) and two $\frac{3}{8}$ " nuts (*item #5*) per plate.

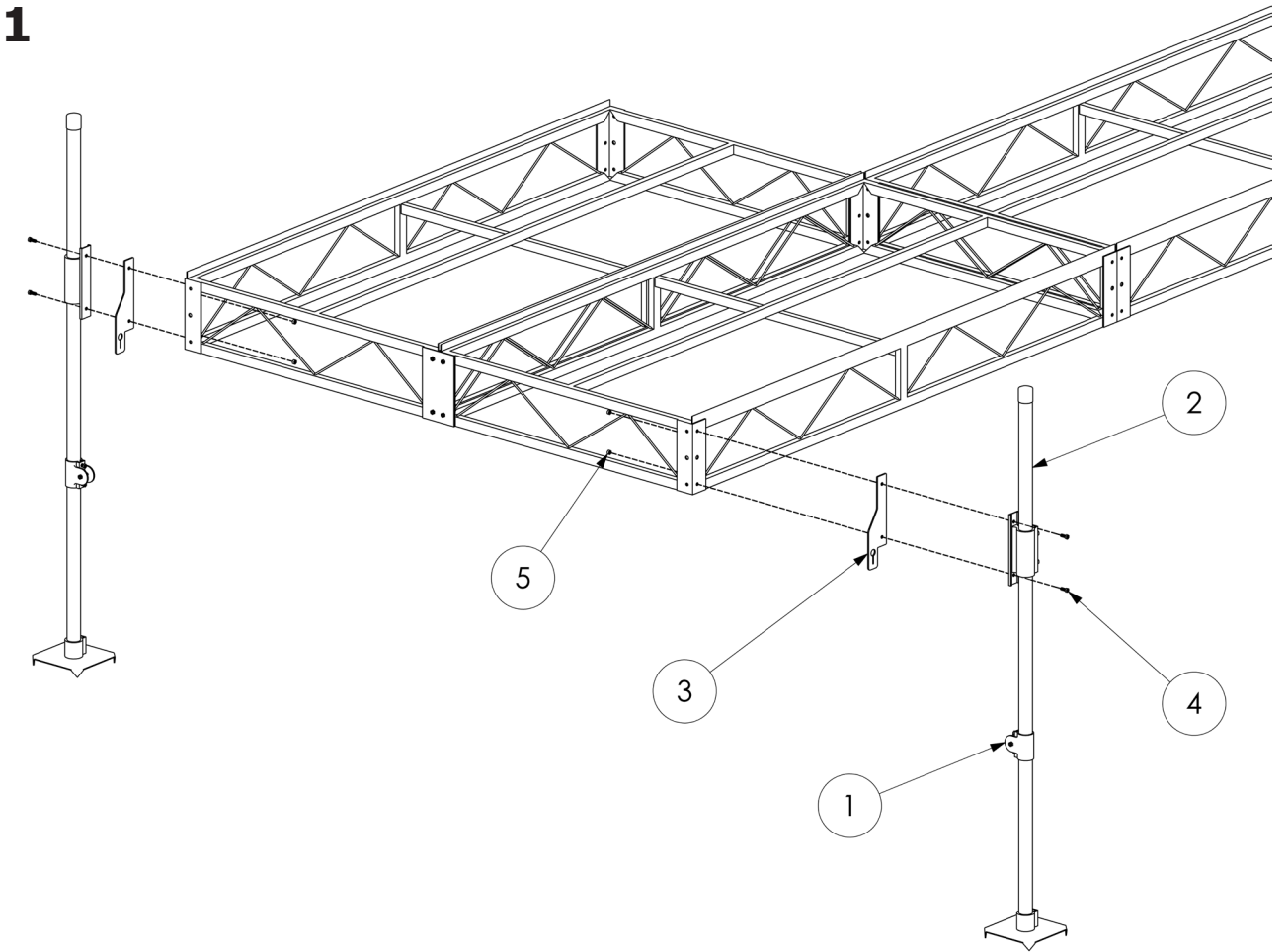
(STEP 2) Take the x-brace cables (*item #6*) and attach the ends with the loop to the cable post mounts using the $\frac{3}{8}$ " x 2" bolts (*item #7*) and $\frac{3}{8}$ " nuts.



(STEP 3) Pull the cable tight and slide a link of the chain into the slot on the cable plate and then slide it all the way to the bottom of the slot.

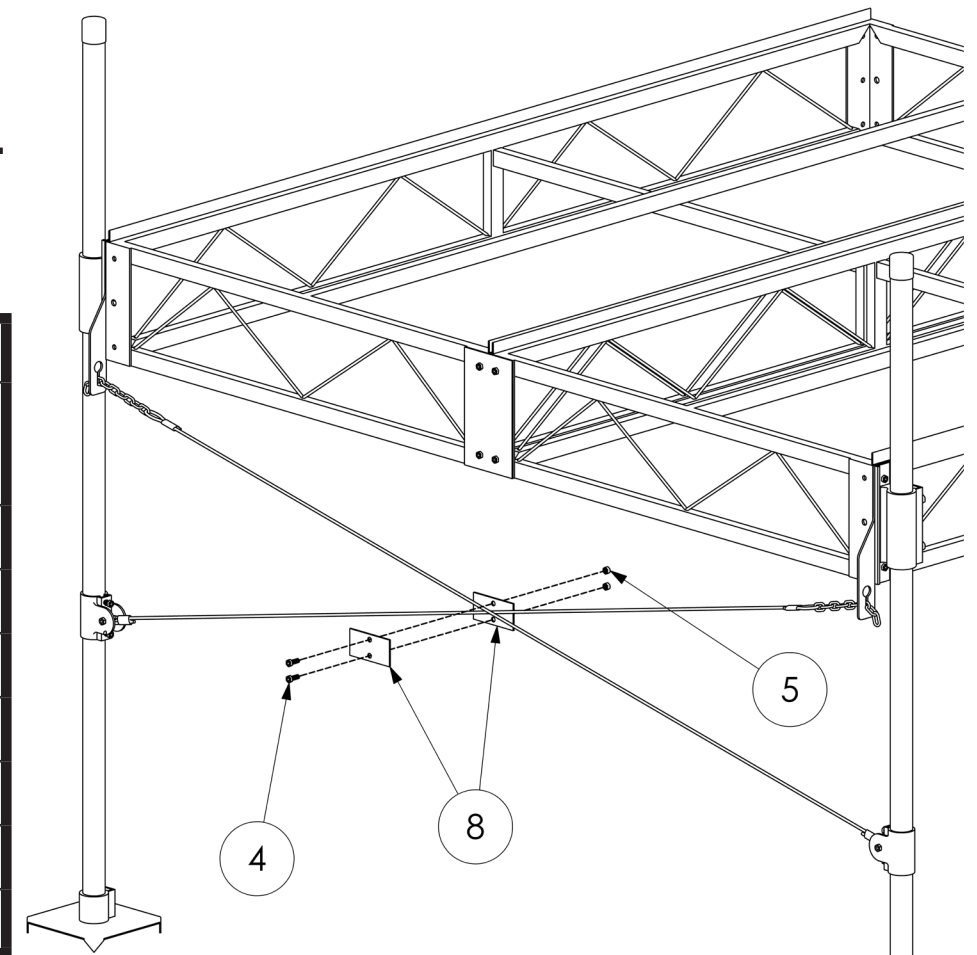
(STEP 4) Now bolt on the X-plate (*item #8*) where the cables cross each other using two $\frac{3}{8}$ " x 1" bolts (*item #4*) and $\frac{3}{8}$ " nuts (*item #5*).

STEP 1



STEP 4

ITEM #	PART	Qty.
1	Cable Post Mount	2
2	Dock Post	2
3	Cable Plate	2
4	$\frac{3}{8}$ " x 1" Bolt	4
5	$\frac{3}{8}$ " Nut	6
6	X-Brace Cable	2
7	$\frac{3}{8}$ " x 2" Bolt	2
8	X-Plate	2



Hammock

Dock Accessory

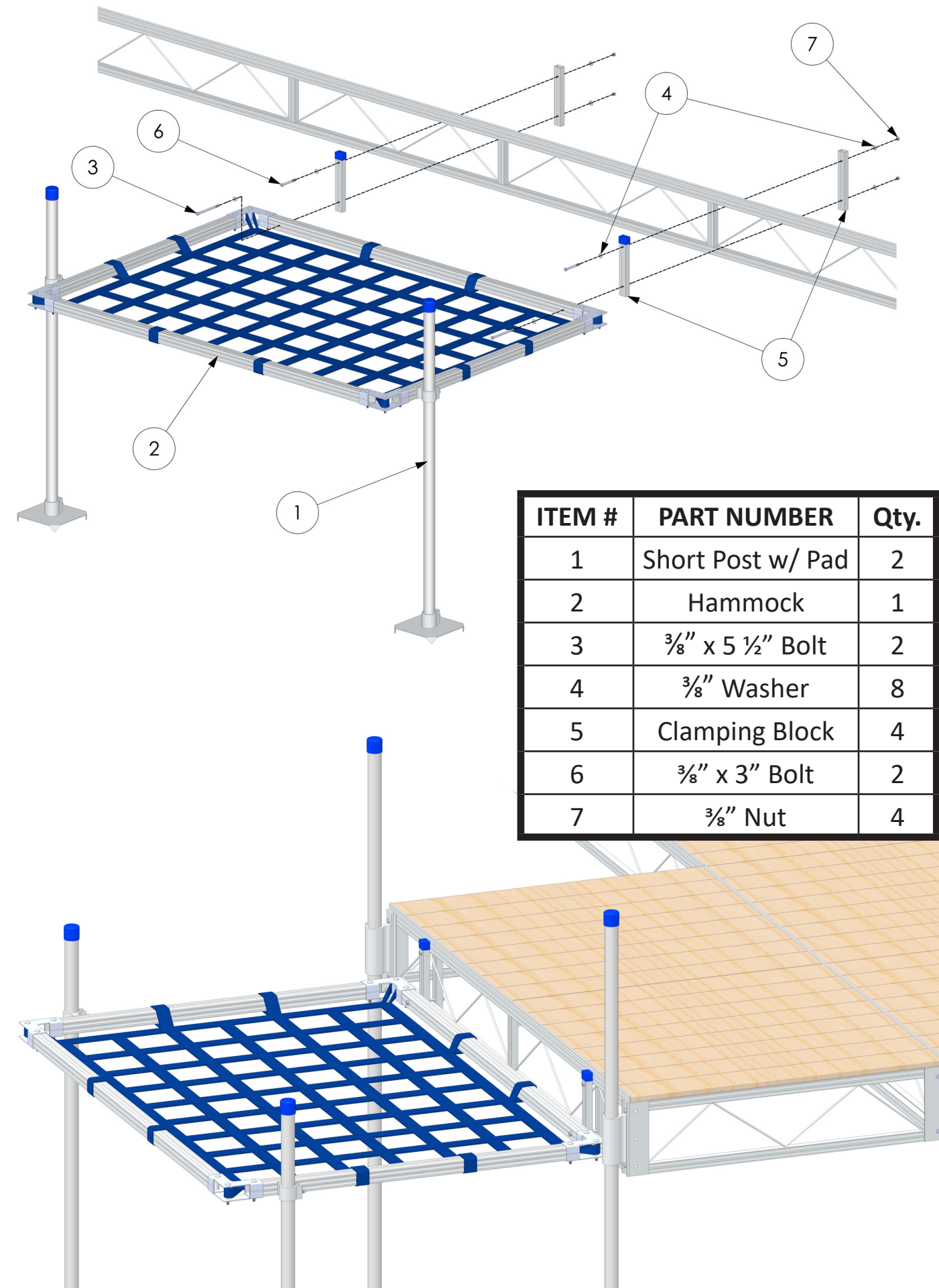
(STEP 1) Insert the short dock post with pads (*item #1*) into the post brackets on the hammock (*item #2*) and tighten the set screws using a $\frac{3}{4}$ " wrench.

(STEP 2) Locate a spot on the dock where you would like to mount the hammock and have another person hold it in place.

Insert two $\frac{3}{8}$ " x $5\frac{1}{2}$ " bolts (*item #3*) with washers (*item #4*) through the holes on the hammock, through a clamping block (*item #5*), through the middle of the dock section, and through another clamping block. Using $\frac{3}{8}$ " x $3\frac{1}{2}$ " bolts (*item #6*) on the top holes, fasten with four $\frac{3}{8}$ " nuts (*item #7*) and washers, clamping the hammock to the dock section.

(STEP 3) Adjust the hammock posts and tighten all hardware.

Note: The hammock has two different height settings, it may be mounted at the bottom OR top of the dock section





Product Warranty

Vibo Marine warrants all equipment purchased new by original owner, to be free of defects in the materials and workmanship under normal use from the date of purchase for the period of time set below.

New Vibo Marine aluminum docks and lifts carry a 10 year conditional warranty on all aluminum, aluminum welds and workmanship.

Vibo Marine further warrants all other parts used on Vibo lifts, docks and accessories, purchased new by original owner, to be free from defects in the materials and workmanship under normal use from the date of purchase for 24 months (excluding components and options which carry their own manufacturer's warranty, wherein that warranty will apply.) Excluded from this warranty are parts, such as hardware, pulleys, and cable accessories that wear from normal use. There is no other express warranty. Vibo Marine is not liable for incidental or consequential damages or injuries of any kind due to installation, removal, use, misuse, snow or ice, electrolysis, severe weather, acts of God, misapplication, or improper selection of one of our purchased or displayed products. Vibo Marine agrees to repair or replace only defective parts returned to the factory (shipping costs paid by the customer) and deemed defective by Vibo Marine. Warranty is void when misuse or neglect is the cause.

Vibo Marine is not responsible for removal, dismantling or re-installation cost. This warranty is void if the boat lift or dock is used in other than normal residential service, or installed in salt water.

Vibo Marine warrants canopy covers from the date of purchase for 1 year, to be free of defects in materials and workmanship under normal use. Fading of cover, misuse, snow or ice, severe weather and acts of God are excluded from the warranty.

All returns must be made to Vibo Marine within 30 days from date of purchase. All returns must be in new condition and deemed in new condition by Vibo Marine. Vibo Marine does not accept returned electrical equipment for refund or exchange. All other returnable parts or products are subject to a 15% restocking charge.

Vibo Marine warranty does not cover O.E.M. manufactured products. Most manufacturer's have their own warranty time periods. The cargo net accessory is NOT intended for human use. Misuse may result in injury.

Stub axles are only intended for moving lift NOT to hold lift and vessel weight permanently. There is a 250 lb. maximum weight per axle.

All decking is warranted from the date of purchase for 1 year.

Vibo Marine warrants all lift wheel kits to be free of defects in the materials and workmanship under normal use from the date of purchase for 1 year.

Warranty is non-transferable. Prices and specifications subject to change without notice.

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