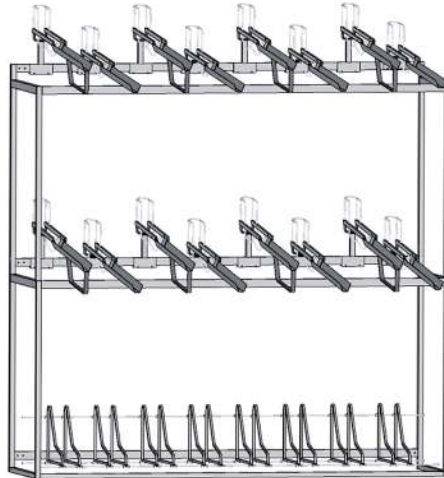




Designed & Made
in the
USA

SLOPED DOUBLE DECKER 3-Tier with Deluxe Space Savers



HARDWARE

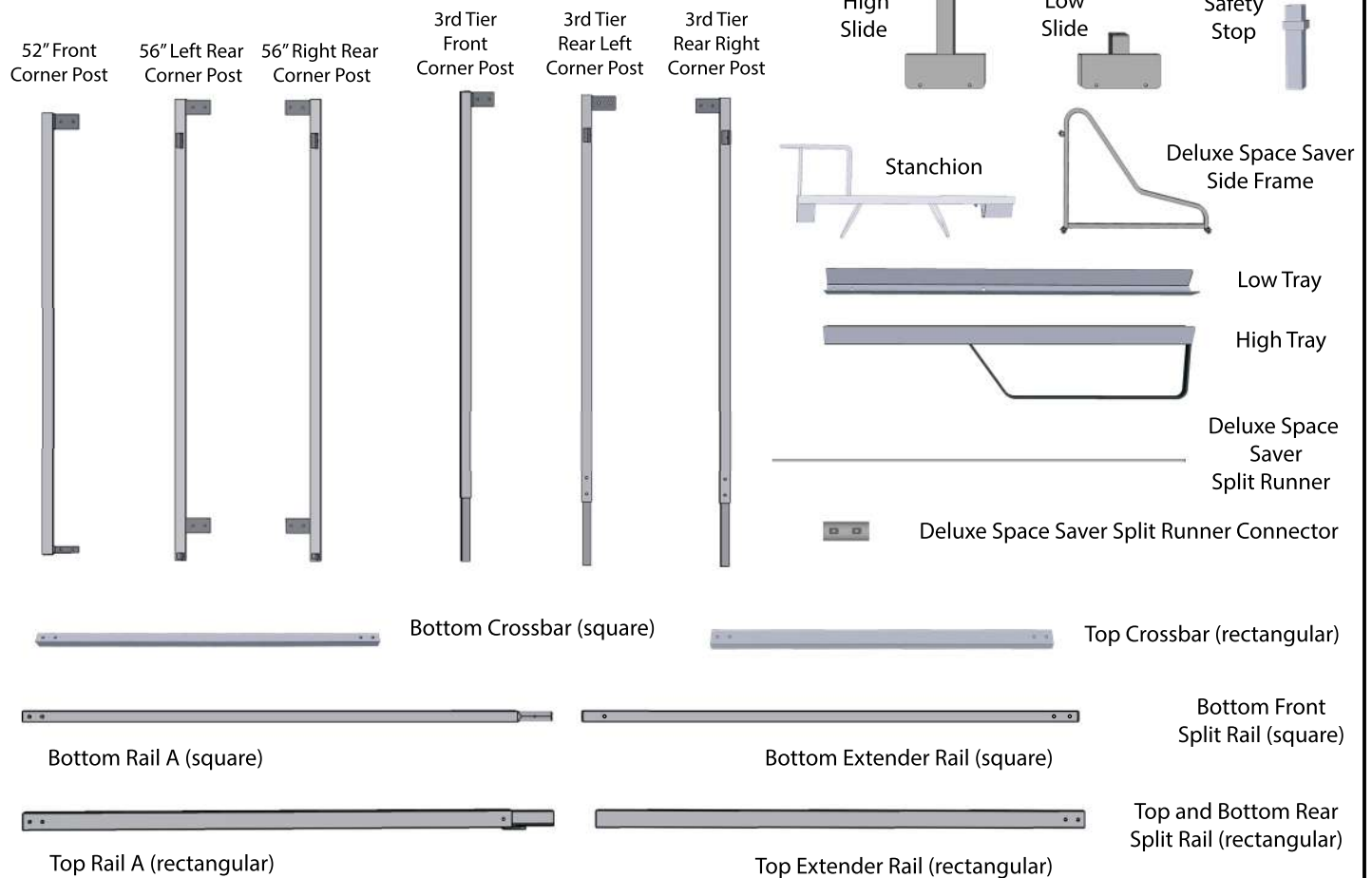
- 1/4" x 3/4" Bolts
- 1/4" x 1-3/4" Bolts
- 1/4" Washers
- 1/4" Stopnuts
- Thread Rolling Bolts
- 5/16" x 1/2" Bolts
- 5/16" X 3/4" Bolts
- 5/16" x 1" Bolts
- 5/16" Washers
- 1/2" x 1" Black Plugs
- 1" Black Plugs
- 1-1/4" Black Plugs
- 1/4" x 3/8" Set Screws

TOOLS NEEDED:

- Socket Wrench with 7/16" and 1/2" Sockets
- 7/16" Wrench
- 1/2" Wrench
- Tape Measure

**LOCATE ALL PARTS
AND HARDWARE
BEFORE
BEGINNING RACK
ASSEMBLY**

PARTS



Sloped Double Decker Rail Assembly

Your 3-Tier Sloped Double Decker includes the following rails: (4) Top Rails – Rectangular, (1) Rear Bottom Rail – Rectangular, and (1) Front Bottom Rail – Square

Step 1 – Identify Rail Components

Each rail is shipped in two pieces:

Rail A – with end that inserts into the extender



Bottom Front Rail A (square)



Top and Rear Bottom Rail A (rectangular)

Rail Extender



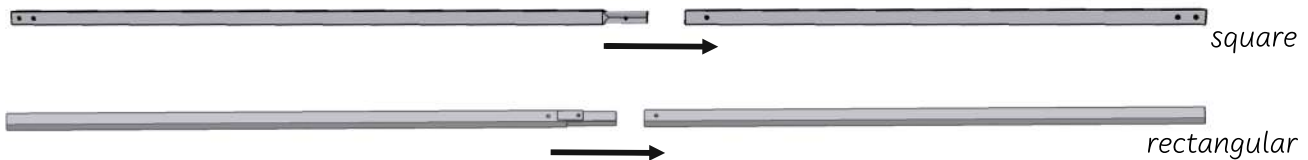
Bottom Front Extender Rail (square)



Top and Rear Bottom Extender Rail (rectangular)

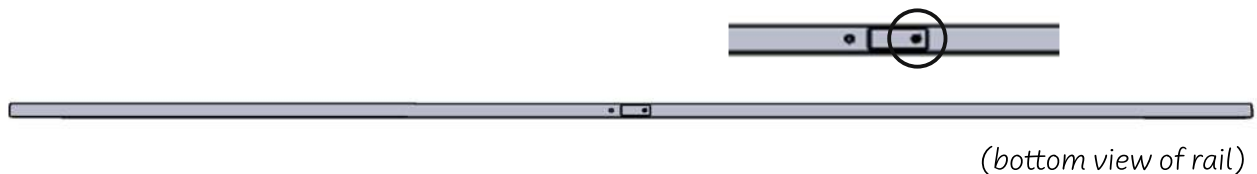
Step 2 – Assemble Each Rail

Insert Rail A into the Rail Extender until it stops and the connection is flush.



Step 3 – Secure Rectangular Rails

For all rectangular rails (both Top Rails and the Rear Bottom Rail), secure using: a 5/16" × 1" Bolt and 5/16" Washer.



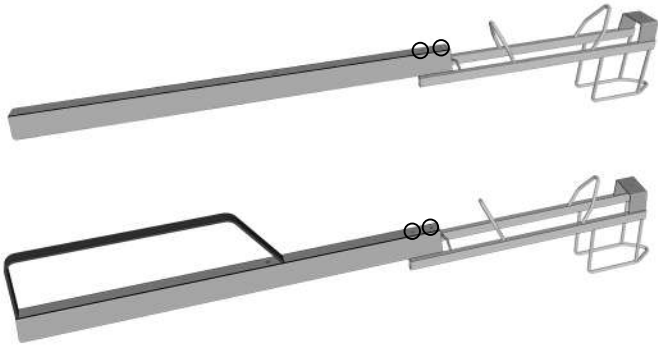
Step 4 – Secure Square Rail

For the square Front Bottom Rail, secure using a Thread Rolling Bolt.

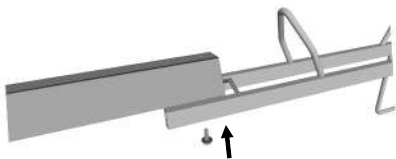


Apply steady downward pressure while turning, as the bolt will widen the hole. (Use a rubber mallet to align holes if needed.)

TRAY ASSEMBLY (HIGH and LOW TRAYS)



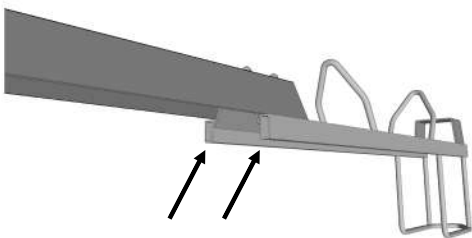
Locate the Stanchions and Trays. Flip a Stanchion and Tray upside down. Align the 2 holes in the Stanchion with the 2 holes in the Tray. The Tray should be on the outside of the Stanchion, as shown.



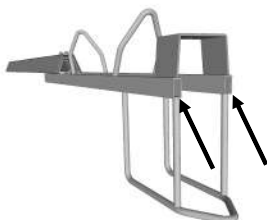
Place a 1/4" washer over a 1/4" x 3/4" Bolt. Insert the assembly through one of the holes. Finger tighten with a 1/4" Washer and 1/4" Stopnut.



Repeat in the open hole, as shown. Tighten using (2) 7/16" Wrenches.



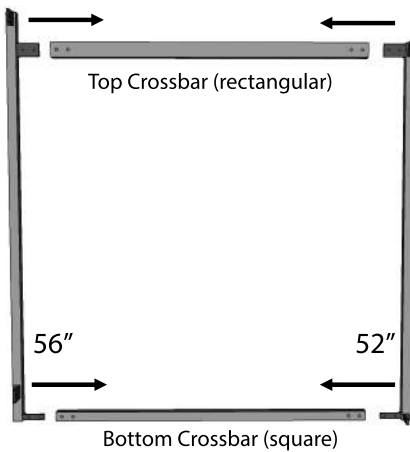
Insert (2) 1/2" x 1" Plugs into the open holes in the front of the Stanchion, as shown.



Insert (2) 1/2" x 1" Plugs into the back of the Stanchion, as shown.

Your tray is now complete!

For ease of assembly, finger-tighten all bolts until Step 4 is complete. This will allow for easier adjustments and alignment throughout the process. Once step 4 is complete, securely tighten all bolts to finish frame assembly.



Step 1:

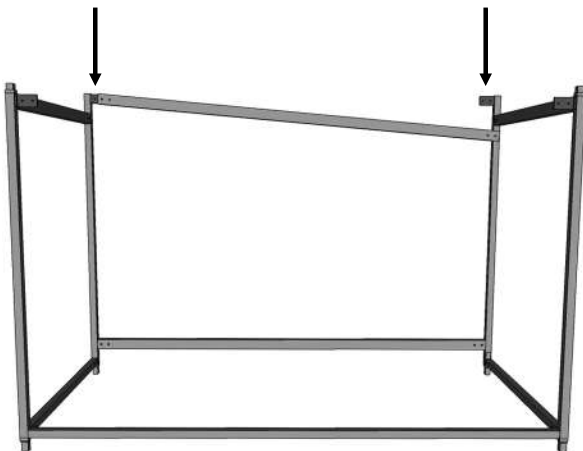
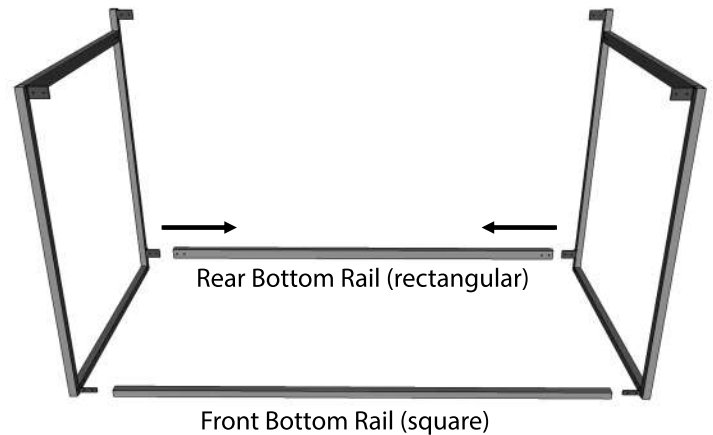
Connect one 52" Corner Post and one 56" Corner Post with one 43" Top Crossbar and one 43" Bottom Crossbar. Insert the ears on the Corner Posts into the Crossbars, as shown. The Right Rear Corner will be taller than the front and its tallest "ear" should be pointed inward. Secure by hand-tightening 5/16" x 1/2" Bolts and 5/16" Washers. You have now completed an end assembly. Repeat this process to create the other end assembly.

Step 2:

Locate the two Bottom Rails (one square and one rectangular). With the end assembly held upright and the Rear Corner Posts at the top, slide the rail ends over the ears as shown.

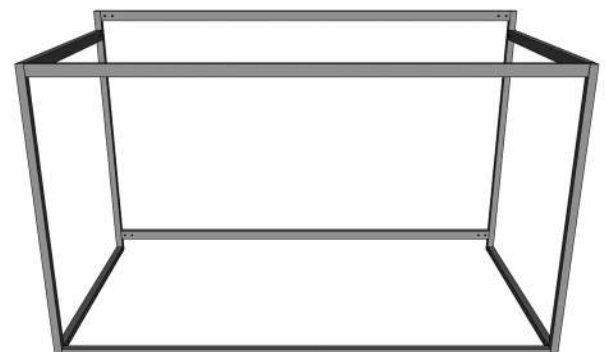
The bolt attachment point on the rear rectangular rail should face the ground.

Secure using 5/16" x 1/2" bolts and 5/16" washers, hand-tightened only. Repeat for the opposite end assembly.



Step 3:

Locate a (rectangular) Top Rail. Slide one end over one of the ears on a rear Corner Post. Then place the other end of the Rail over the corresponding ear at the other side of the rack, as shown. NOTE: It may take a little force to get onto both ears. Secure by hand-tightening 5/16" x 1/2" Bolts and 5/16" Washers.

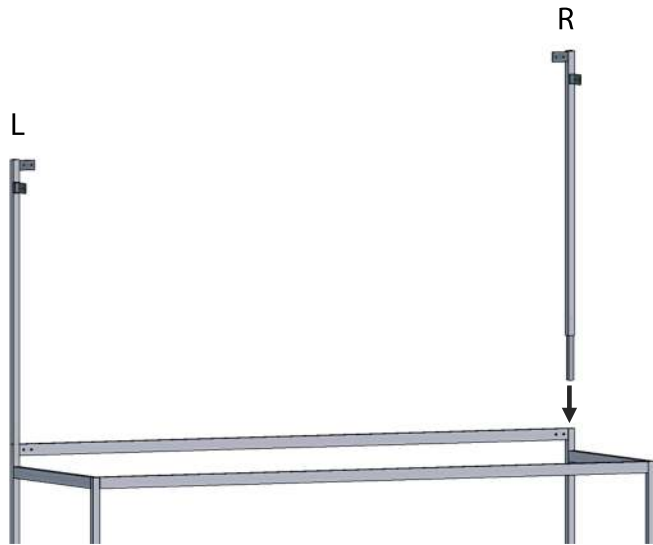


Step 4:

Repeat Step 3 with the Front Top Rail. Once again, this may require a little force. Now your structure is complete.

Go back through the entire frame and tighten all bolts.

For ease of assembly, finger-tighten all bolts until third tier frame is complete. This will allow for easier adjustments and alignment throughout the process. Once step 8 is complete, securely tighten all bolts to finish frame assembly.

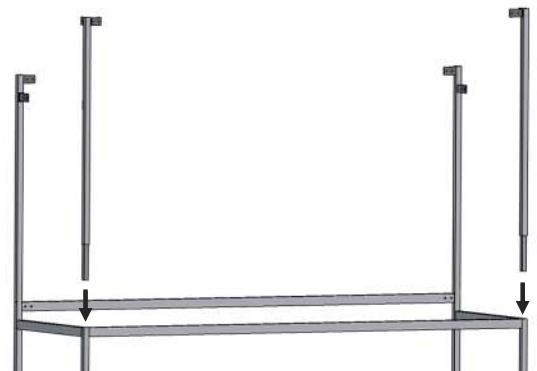


Step 5:

Insert the 3rd Tier Rear Left and Right Corner Posts into the top of the second tier Rear Corner Posts.

Step 6:

Insert the two 3rd Tier Front Corner Posts into the tops of the second tier Front Corner Posts.



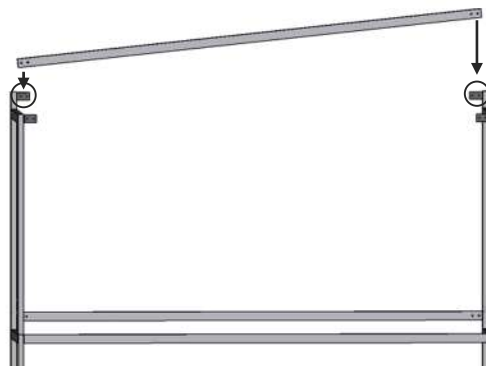
Step 7:

Place the final two Top Cross Bars into the ears of the 3rd Tier Corner Posts and secure by finger tightening 5/16" x 1/2" Bolts with 5/16" Washers.

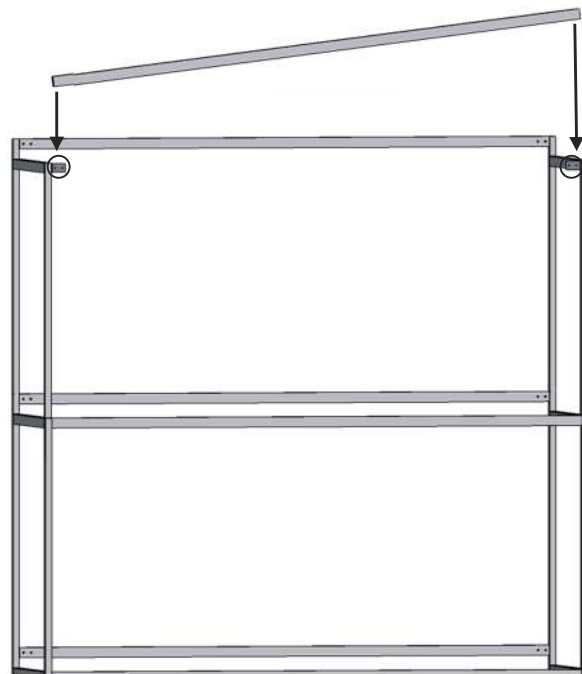
Step 8:

Locate a Top Rail and slide one end over the ears of one of the Rear 3rd Tier Corner Posts. Then place the other end of the Rail over the corresponding ear of the other Rear 3rd Tier Corner Post.

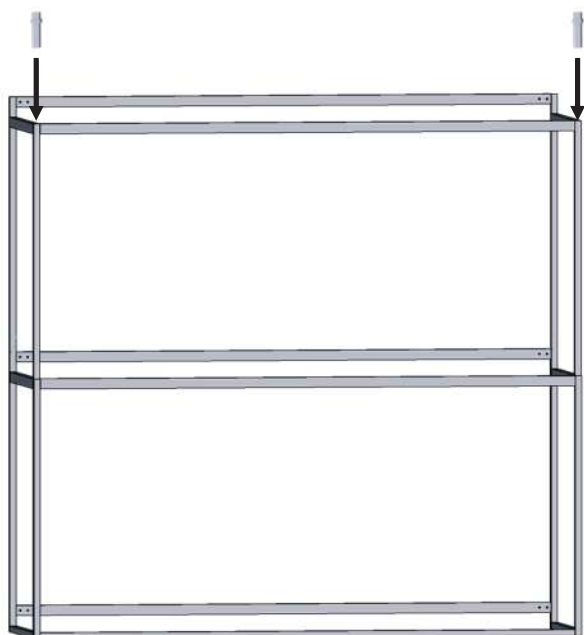
Secure the Rail by hand-tightening 5/16" x 1/2" Bolts with 5/16" Washers.



Repeat by sliding the final Top Rail over the ears of the 3rd Tier Front Corner Posts and securing with 5/16" x 1/2" Bolts with 5/16" Washers.



Go back through the 3rd Tier Frame and fully secure all bolts



Step 9:

Locate the two Safety Stops.



Insert 1" Black Plugs into the top of each Safety Stop and insert the long end of each Safety Stop into the top of the two Front 3rd Tier Corner Posts.

Step 10:

Locate (2) 1-1/4" Black Plugs and insert them into the tops of the two Rear 3rd Tier Corner Posts.

YOUR 3-TIER FRAME IS NOW COMPLETE!



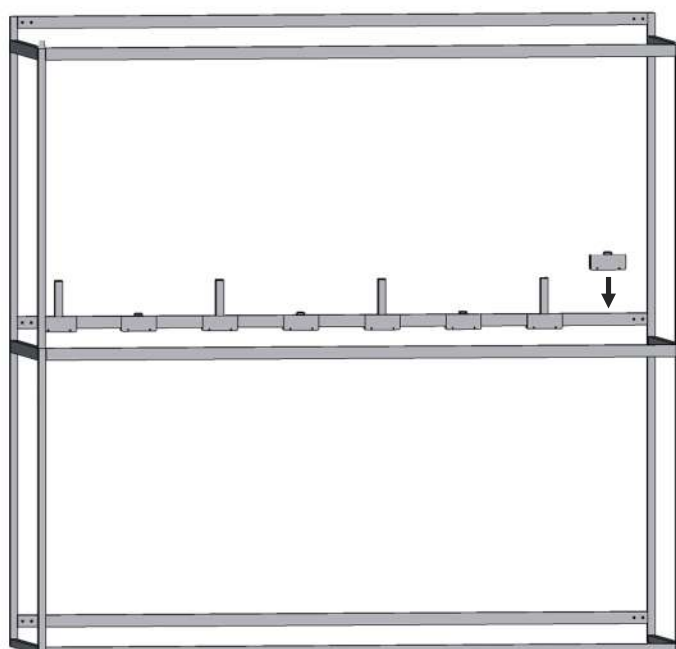
Step 11:

Locate the High and Low Slides. Position and space them along the Rear Second Tier Rail, alternating high and low.

Secure each slide using two 1/4" x 1-3/4" Bolts and two 1/4" Stop Nuts.

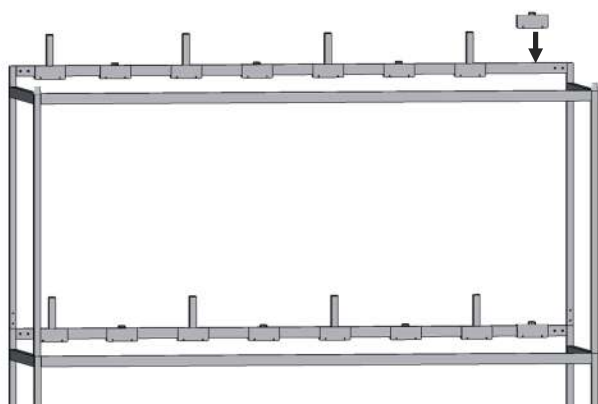
Slide Placement Tip:

When placing the slides, we generally recommend leaving approximately 3.5" to 4" of space at each end of the rail. The slides themselves can be spaced approximately 7" to 8" apart (end to end) depending on your setup. The slides can be adjusted to fit your specific needs.



Match the spacing and High/Low orientation, then attach the corresponding High and Low Slides to the Rear 3rd Tier Rail.

Secure each Slide with two 1/4" x 1-3/4" Bolts and two 1/4" Stop Nuts.



Step 12:

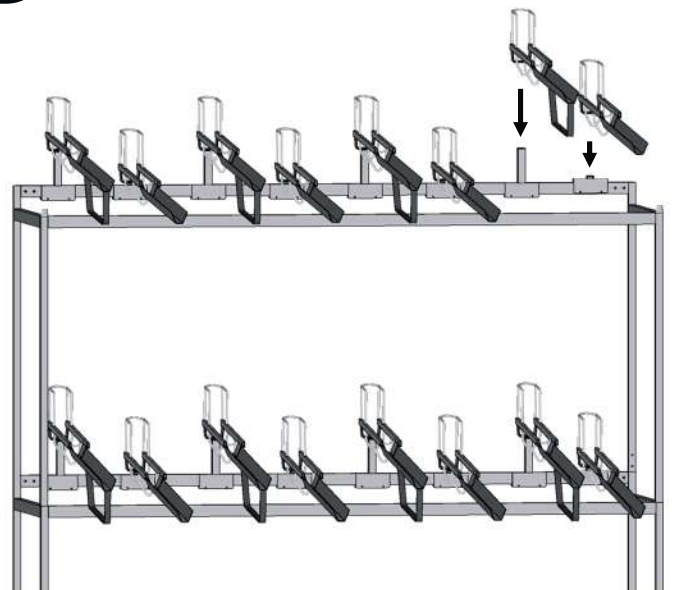
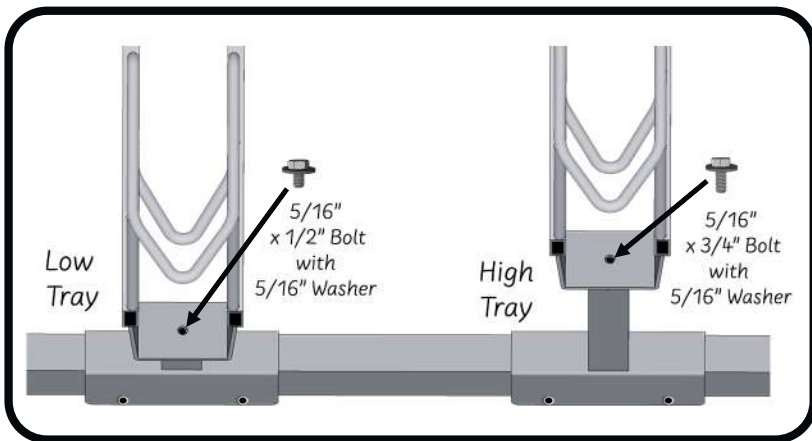
Locate the pre-assembled High and Low Trays. Attach the Trays to the second tier first, then the third tier, ensuring High Trays align with High Slides and Low Trays with Low Slides.

Secure each Low Tray to its corresponding Low Slide by inserting a 5/16" x 1/2" Bolt with a 5/16" Washer through the rear hole of the tray assembly and into the top of the Slide.

Secure each High Tray to its corresponding High Slide by inserting a 5/16" x 3/4" Bolt with a 5/16" Washer through the rear hold of the tray assembly and into the top of the Slide.



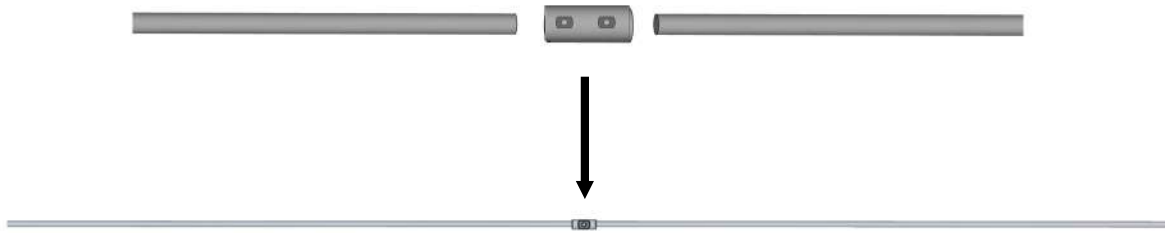
Back View of Second Tier



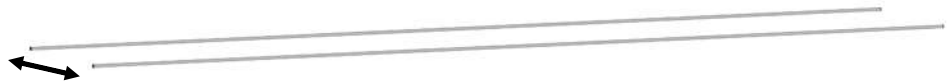
Front View

Step 13: Deluxe Space Saver Assembly

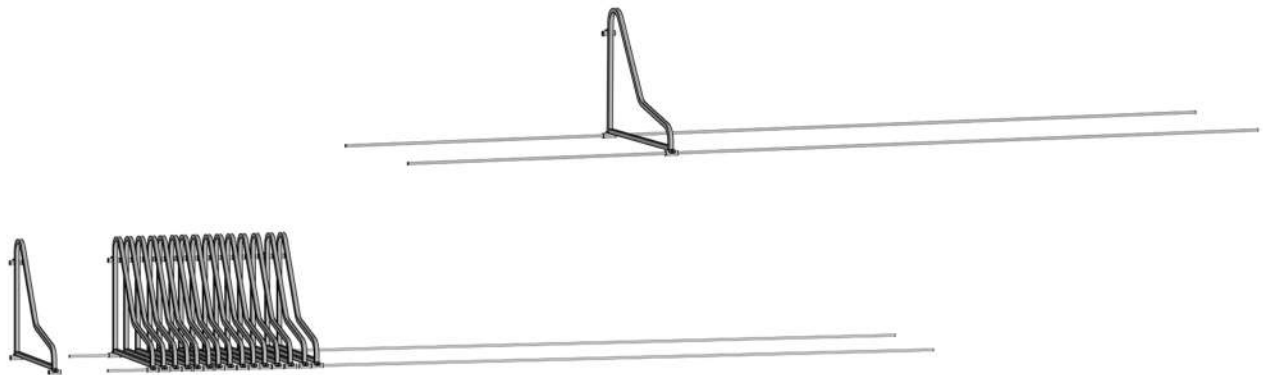
- A:** Begin by assembling the three Runners. Each runner assembles from two split Runners and one Connector. Insert both split Runners into the Connector, aligning them so they meet at the center within the Connector and secure with Set Screws.



- B:** Place two Deluxe Space Saver Runners on the floor with roughly 18" between them.



- C:** Next, take one of the Side Frames and slide the Runners through the two bottom tubes. Slide it down 16-20" from the end and secure to the Runners using 1/4" x 3/8" Set Screws.



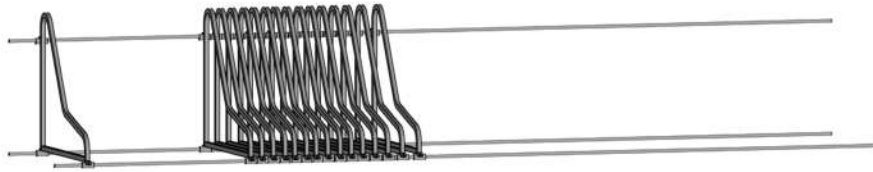
Slide the remaining Side Frames through the Runners, as shown.

- D:** Slide the final Runner through the top tubes of all Side Frames.



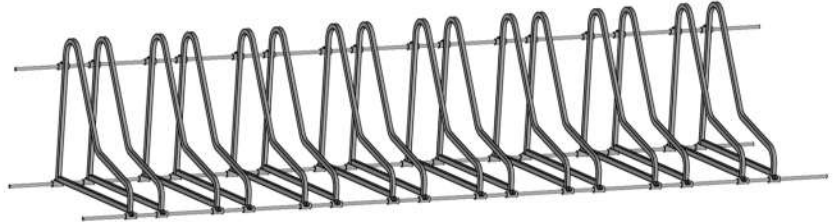
Back View

E: Loosen the previously secured Side Frame. Now set the end Side Frame with (3) 1/4" x 3/8" Set Screws.



F: Space out your Side Frames by rolling the rear wheel of a bike between two Side Frames.

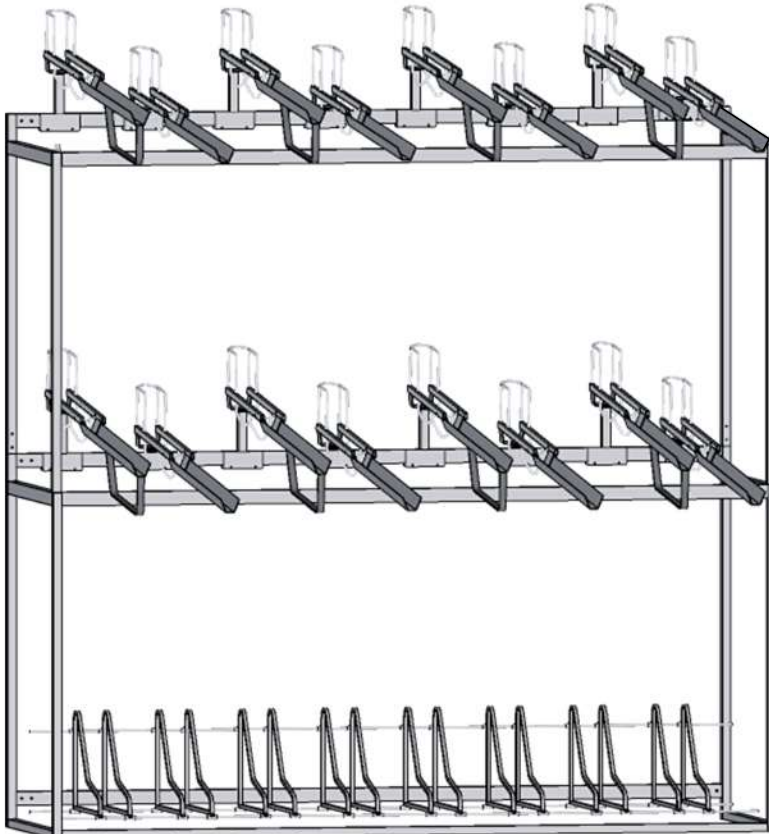
Secure all Side Frames with:
(3) 1/4" x 3/8" Set Screws.



YOUR DELUXE SPACE SAVER IS COMPLETE!

Step 14:

Place the finished Deluxe Space Saver under the Sloped Double Decker frame, as shown.



YOUR RACK IS
NOW COMPLETE!

Before loading bikes: If your bike has a rear derailleur it is recommended that the rear derailleur is set to the lowest gear (the largest rear chain ring) to prevent chain or derailleur damage