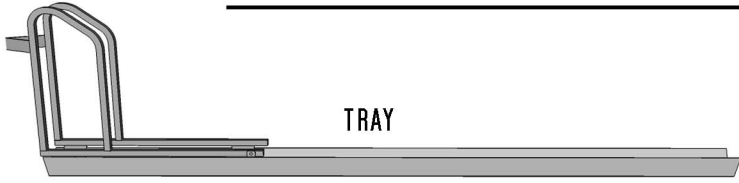


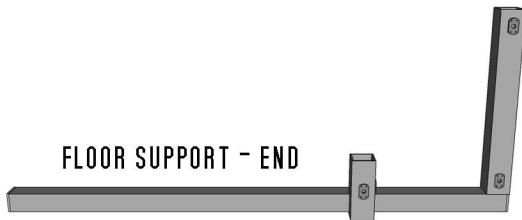
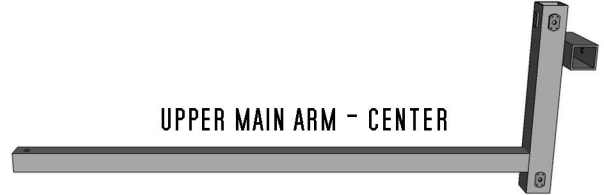
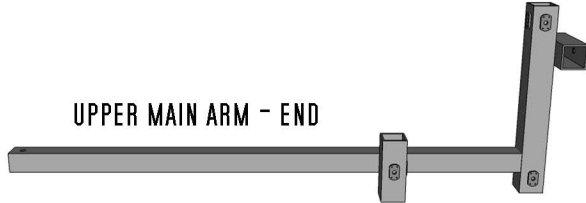
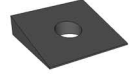
STRAIGHT FORWARD RACK - PARTS LIST



TIRE
CATCH



SLIDE



57" VERTICAL POST (2TIER SPECIFIC)



61" VERTICAL POST (2 TIER SPECIFIC)



48" VERTICAL POST EXTENSION (3 TIER SPECIFIC)



75" VERTICAL POST EXTENSION (3 TIER SPECIFIC)



79" VERTICAL POST EXTENSION (3 TIER SPECIFIC)



TOP RAIL (NO TABS)



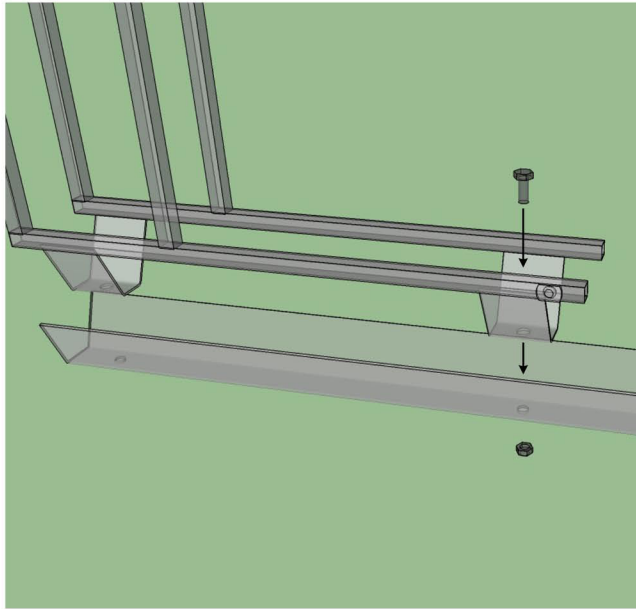
BOTTOM REAR RAIL (TACK WELD NEAR TAB ON ENDS)



BOTTOM FRONT RAIL

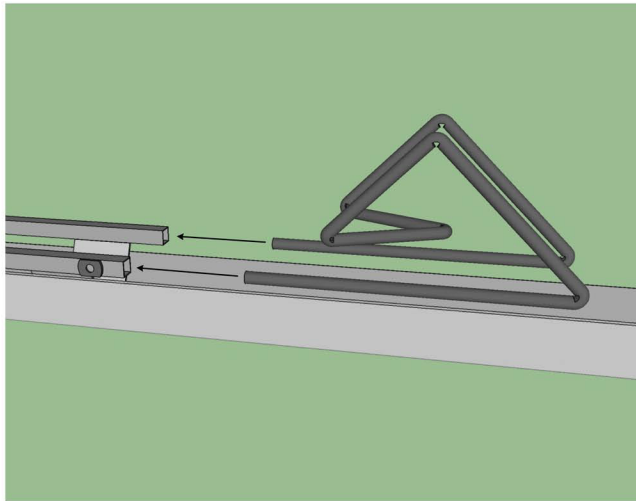


Tray subassembly for WDD,ISDD,SF



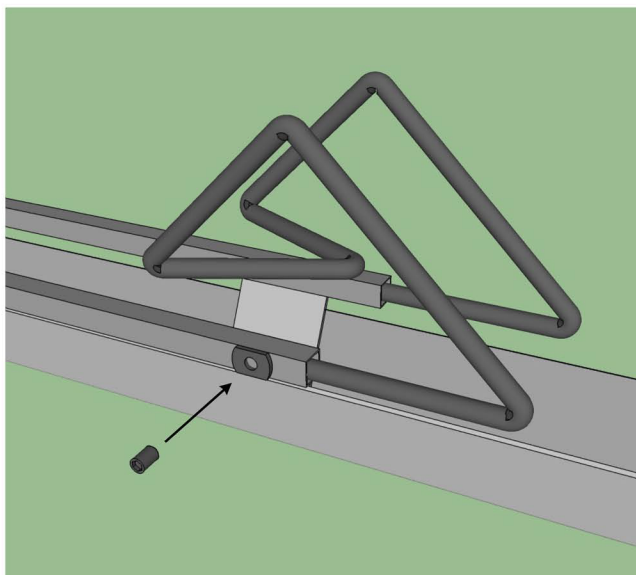
step 1

Attach the stanchion to the tray using a 5/16" x 3/4" bolt and a 5/16" nylon stop nut, as shown, secure tightly.



step 2

Next slide the two ends of the tire catch into the open ends of the stanchions 1/2" base tubes, as shown

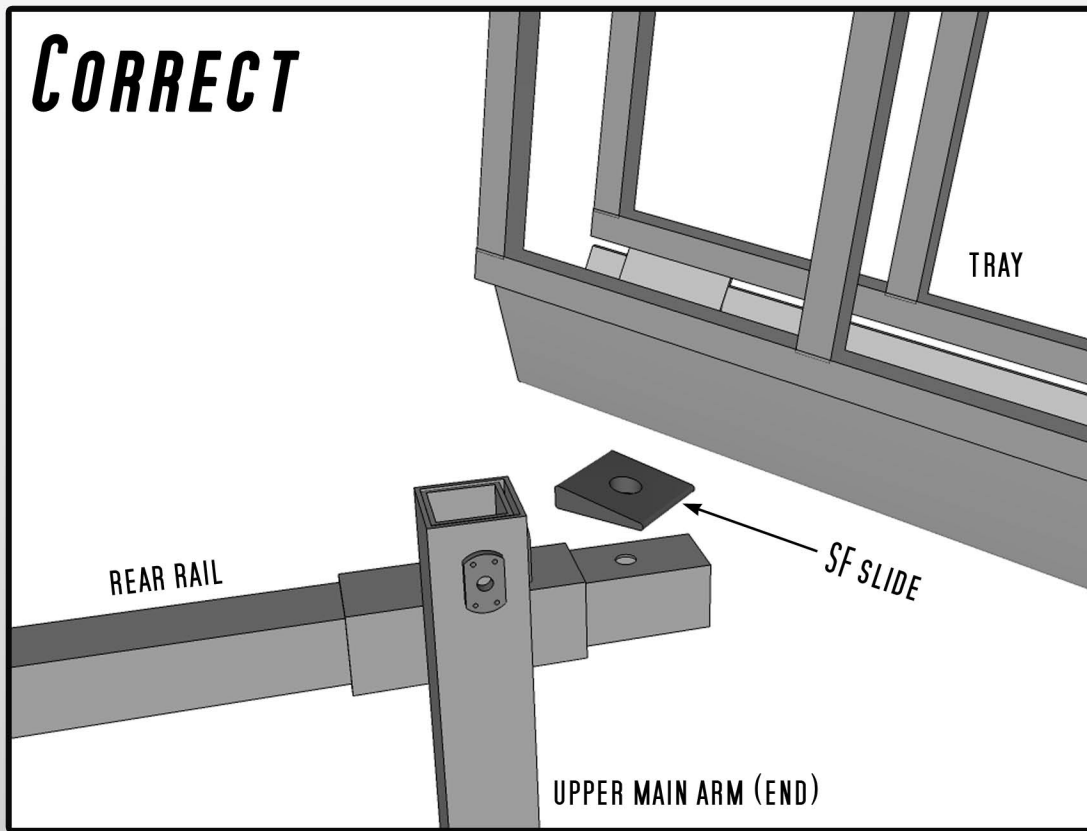


step 3

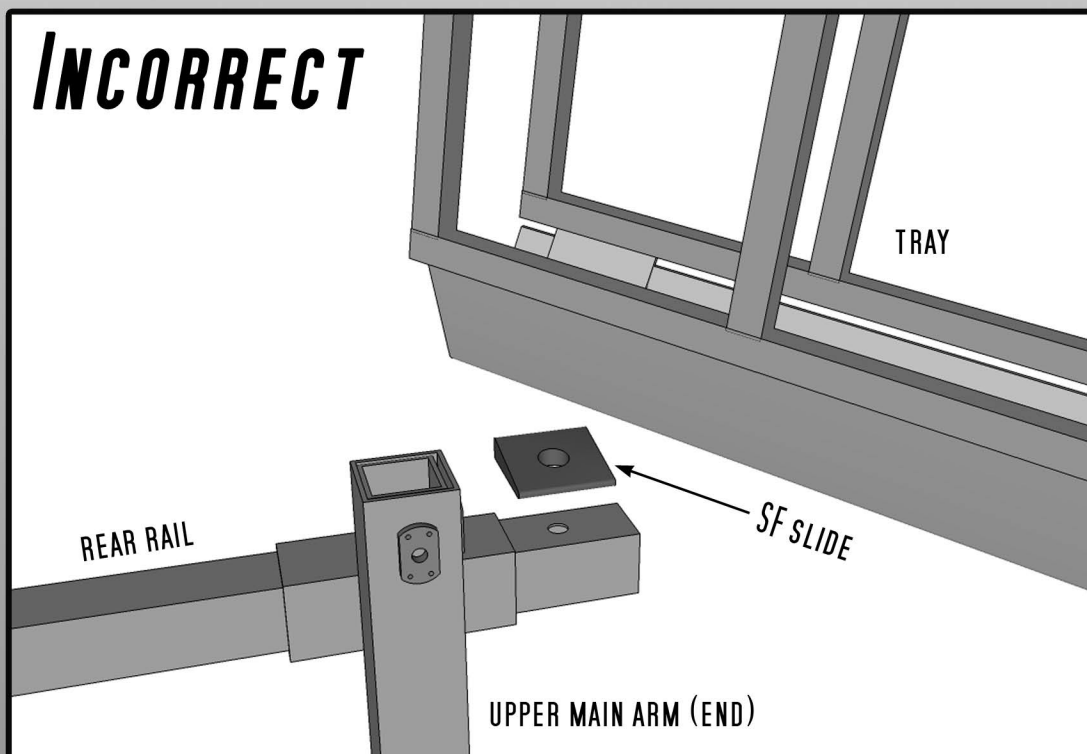
Then using a 1/4" x 3/8" set screw secure the tire catch into the stanchion.

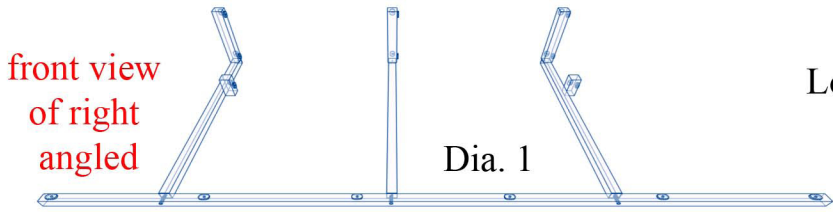
Adjust to fit tire snugly after the rack is fully assembled and loaded with bikes.

PROPERLY ATTACHING TRAYS TO STRUCTURE ON UPPER TIERS.



WHEN ATTACHING THE TRAYS TO THE SECOND AND THIRD TIERS OF YOUR STRAIGHT FORWARD RACK A WEDGE IS USED (SF SLIDE). THE PROPER WAY TO INSTALL THIS WEDGE IS FOR THE EDGES OF THE WEDGE TO BE PARALLEL AND PERPENDICULAR TO THE TRAY NOT TO THE RAILS ON THE STRUCTURE OR TO THE STRUCTURE ITSELF. SEE DIAGRAMS!



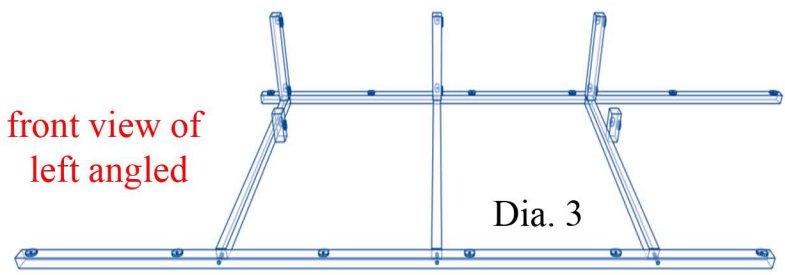
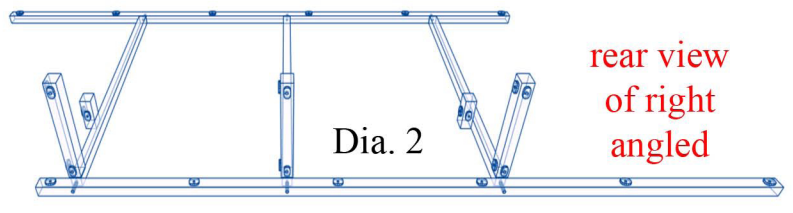


step 1

Locate the bottom front rail (no dot on ends of rail, with weld tabs every 18"). lay out on floor as shown in Dia. 1 , **do not attach**.

step 2

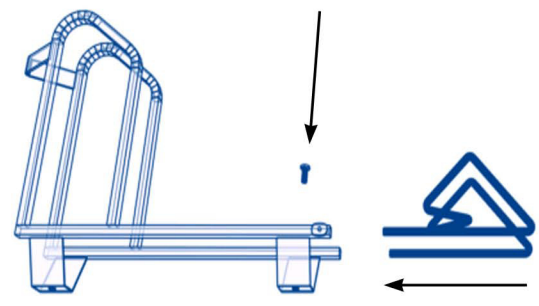
Next locate the bottom rear rail (spot welds on both ends of rail, and weld tabs every 18"). Layout on floor as shown in Dia. 2, **do not attach**



STOP!

Dia. 1 and Dia. 2 are pictures of a right angled set up, Dia 3 is a picture of a left angled orientation. To achieve a left angled rack you need to spin **only** the rails 180 degrees.

step 3



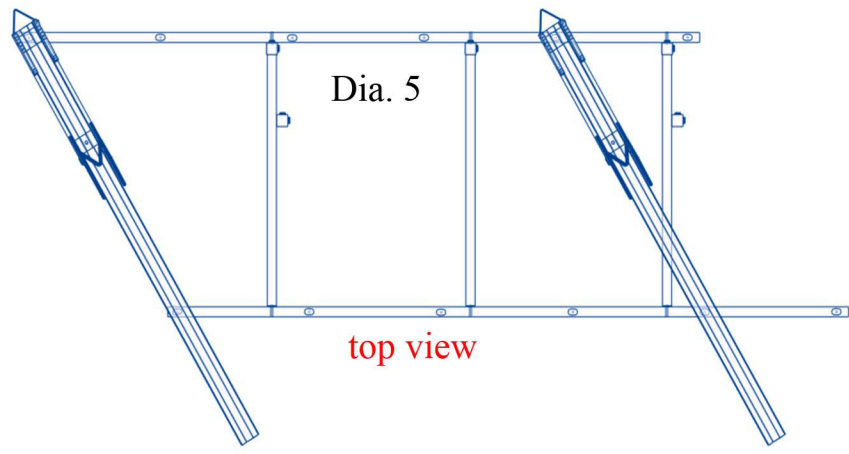
This portion is more of a pre-assembly than a step. To attach your trays to the structure you first need to attach the stanchions to the trays. To do that put the stanchion in the basin of the tray so that the two holes line up. Then using a 5/16" x 3/4" bolt insert it into the second hole from the end and secure with a 5/16" lock nut, as shown in Dia. 4 . Then slide the tray catch into the base tubes of the stanchion and secure with a set screw.



Dia. 4

step 4

Take the trays you pre-assembled and align the holes with the holes on the front and rear rails as shown in dia. 5. Secure with 5/16" x 1/2" bolts. Attach all trays to bottom rails before continuing! Then attach the rails to the floor supports using 5/16" x 2" bolts, tighten all bolts securely.

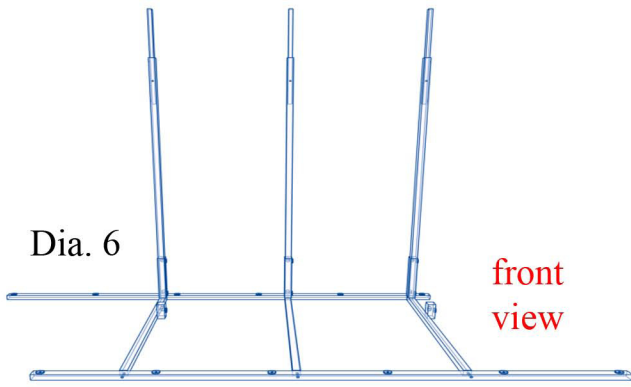


Dia. 5

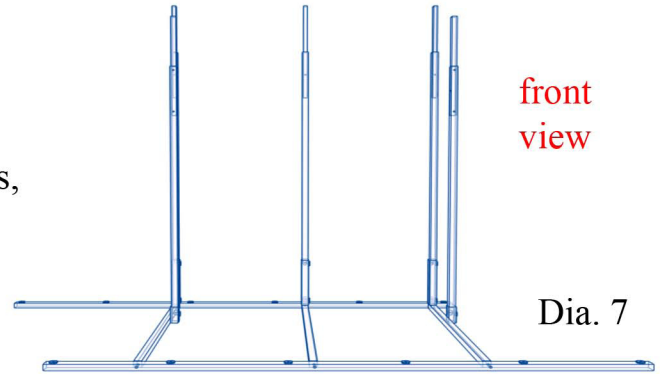
top view

step 5

Locate the 79" vertical posts (3). Insert the 79" posts into the vertical tubes on the rear of the floor supports, with the inserts up. Using 5/16" x 1/2" bolts secure the vertical posts to the floor supports as shown in Dia. 6.....

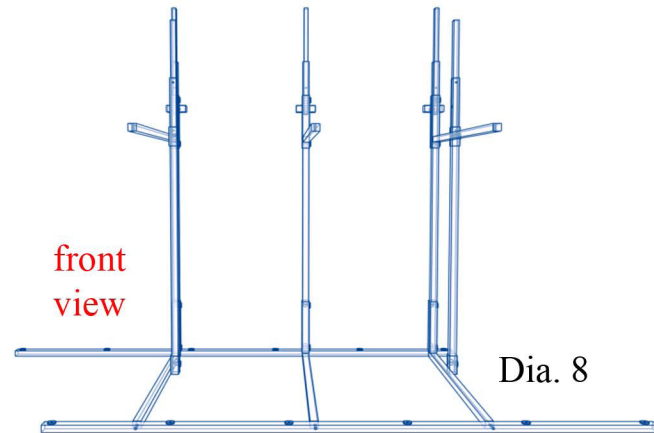


Then take the remaining 75" vert. posts (2) and insert them into the other vertical tubes of the floor supports, with inserts up, as shown in Dia. 7. secure using 5/16" x 1/2" bolts.



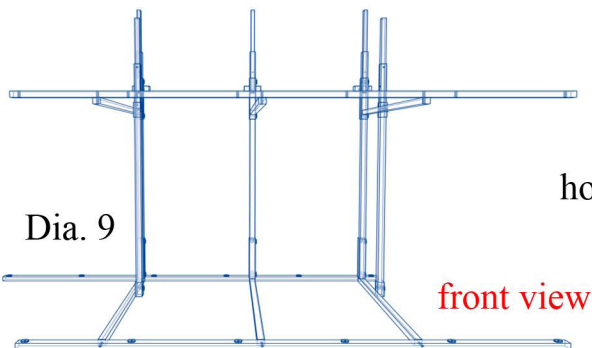
step 6

Now you need to locate the upper main arms (two ends, one center). Slide the upper arms over the vert posts, as shown in Dia. 8. At this point you need to decide at which height from the floor that you want the second tier to be. We recommend about 50" inches (127 cm) from the bottom of the rail to the floor. Then using 5/16" x 1/2" bolts secure the upper main arms to the vert posts at desired height.



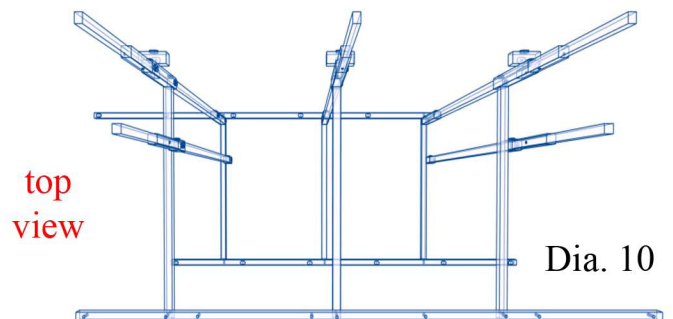
step 7

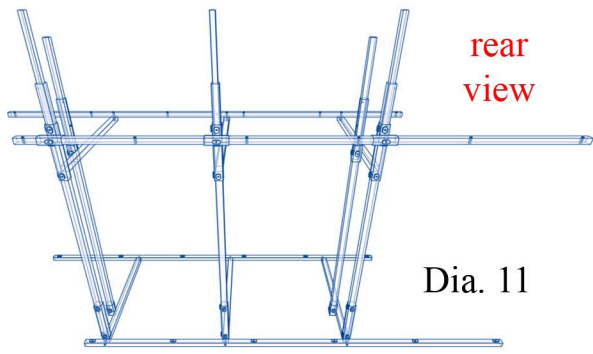
Locate one of the top rails (should only have holes through it). Place the rail on the front of the upper main arms corresponding to the placement of the bottom front rail. As shown in Dia. 9.



Align the holes on the rail with the holes on the upper main arms, as shown in Dia. 10. Using 5/16 x 3" bolts secure the rail to the upper main arms.

right angle rack is pictured.



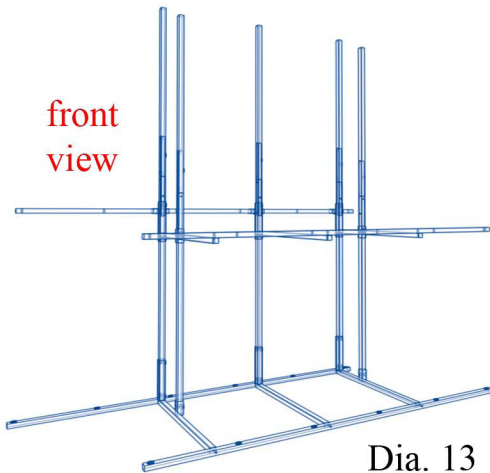
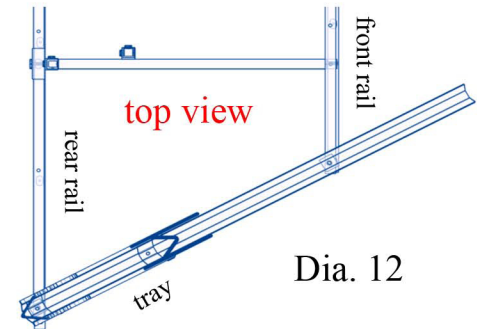


step 8

Now find another top rail, slide it through the horizontal tubes on the back of the upper main arms. As shown in Dia. 11.

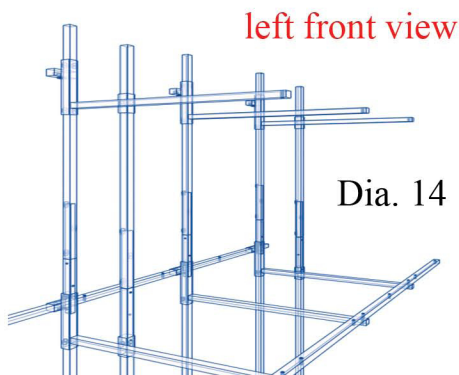
step 9

The next step is alligning the the rear rail. This is easiest done by taking a tray and setting it on the rails with the front hole of the tray on the end hole of the top front rail. Put a bolt in the hole but **do not secure**, now slide the rear rail so that the back hole in the tray lines up with the hole in the rear rail. As shown in Dia. 12. Using 5/16" x 1/2" bolts secure the rear rail to the upper main arms.



step 10

Find the (5) 48" third tier vertical posts. Slide them over the inserts protruding from the 75" and 79" vertical posts, with weld tabs down. Using 5/16" x 1/2" bolts secure the 48" vertical posts to the 75" and 79" vertical posts, as shown in Dia. 13.

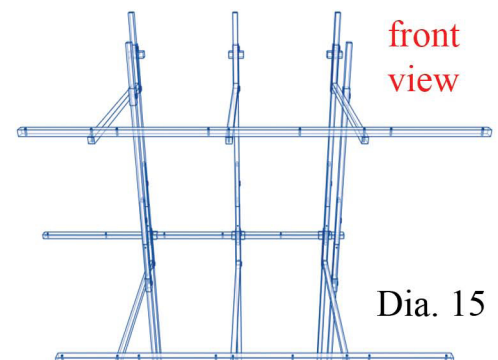


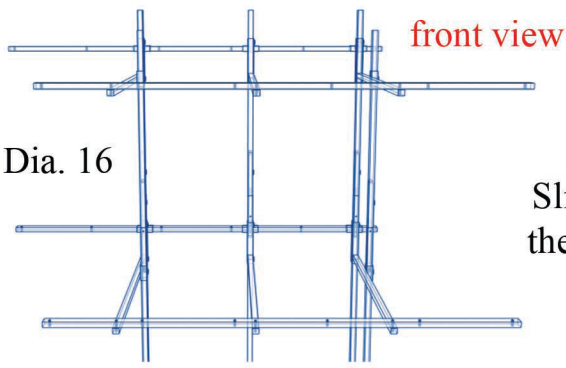
step 11

Repeat step 6. Sliding upper main arms over vertical posts, determine the height that you want the third tier to be, and secure using 5/16" x 1/2" bolts. We recomend 101 1/4" (about 258 cm) from the bottom of the horizontal bar of the upper main arm to the floor. As shown in Dia. 14.

step 12

Repeat step 7.
Securing the front rail to the upper main arms of the third tier.
As shown in Dia. 15.





step 13

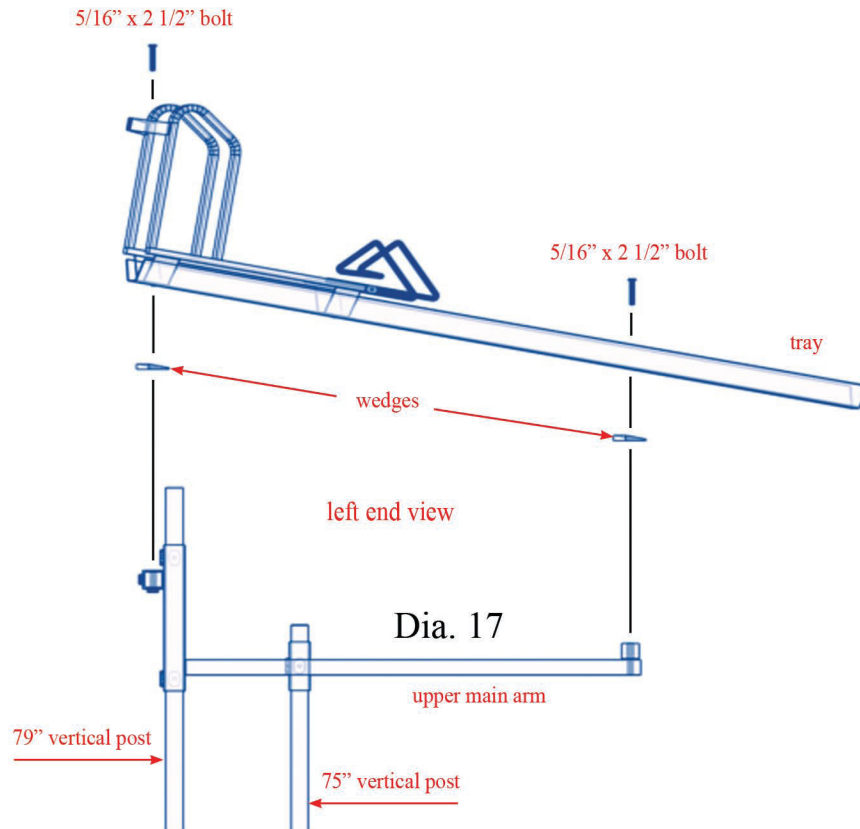
Repeat step 8 and step 9.

Sliding the top rail through upper main arms, using a tray to set the rear rail in proper place and securing with 5/16" x 1/2" bolts. As shown in Dia. 16.

step 14

The last step is to attach the upper trays to the structure.

Start at one end of the structure (third tier then second tier), place wedges on the rails with the holes in the wedges over the holes of the rail. Using 5/16" x 2 1/2" bolts attach the tray to the rails putting the bolts through the tray (and stanchion), then the wedge and finally the rail, securing with 5/16" lock nuts from below. As shown in dia 17.



Your strait forward three tier rack sould now be complete and ready for use.