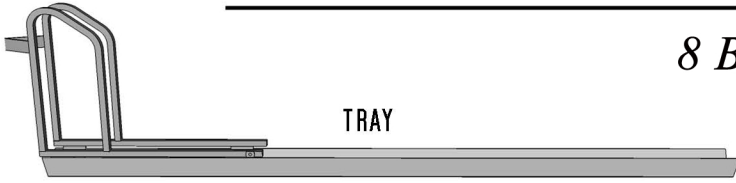


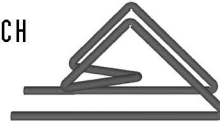
# STRAIGHT FORWARD RACK - PARTS LIST

8 BIKE

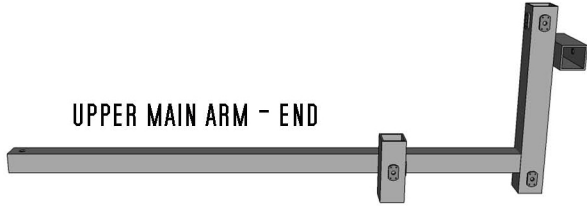
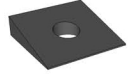


TRAY

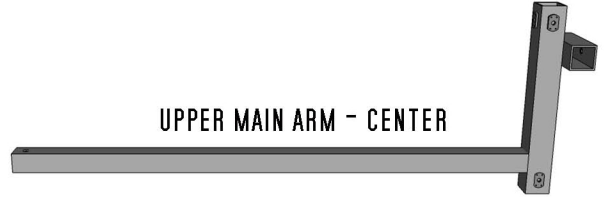
TIRE  
CATCH



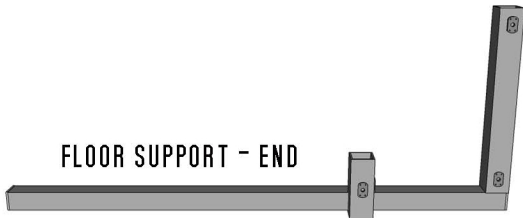
SLIDE



UPPER MAIN ARM - END



UPPER MAIN ARM - CENTER



FLOOR SUPPORT - END



FLOOR SUPPORT - CENTER

57" VERTICAL POST (2 TIER 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)



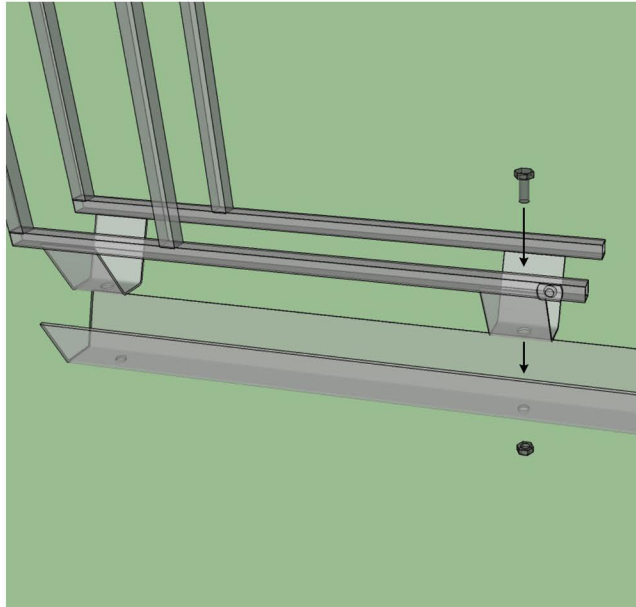
BOTTOM REAR RAIL (TACK WELD NEAR TAB ON ENDS)



BOTTOM FRONT RAIL

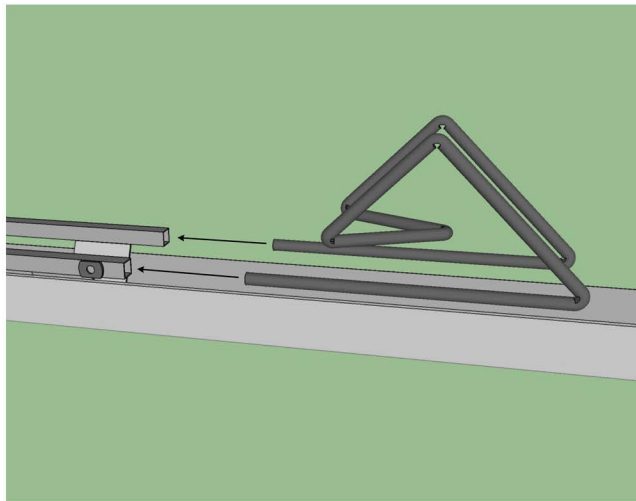


# Tray subassembly for WDD,ISDD,SF



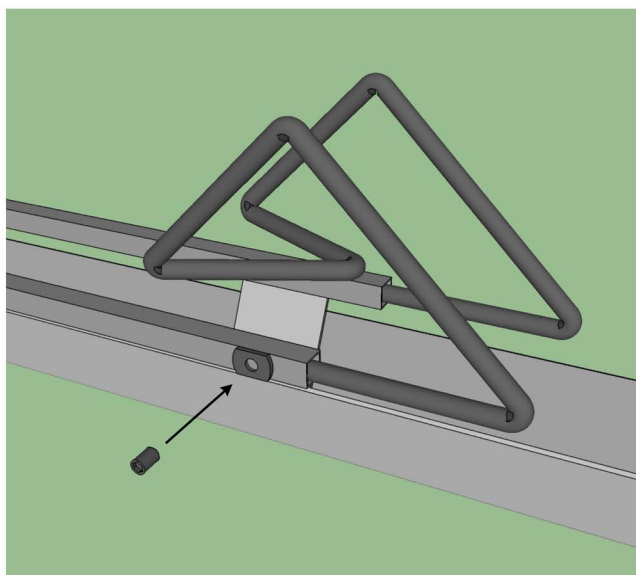
## step 1

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

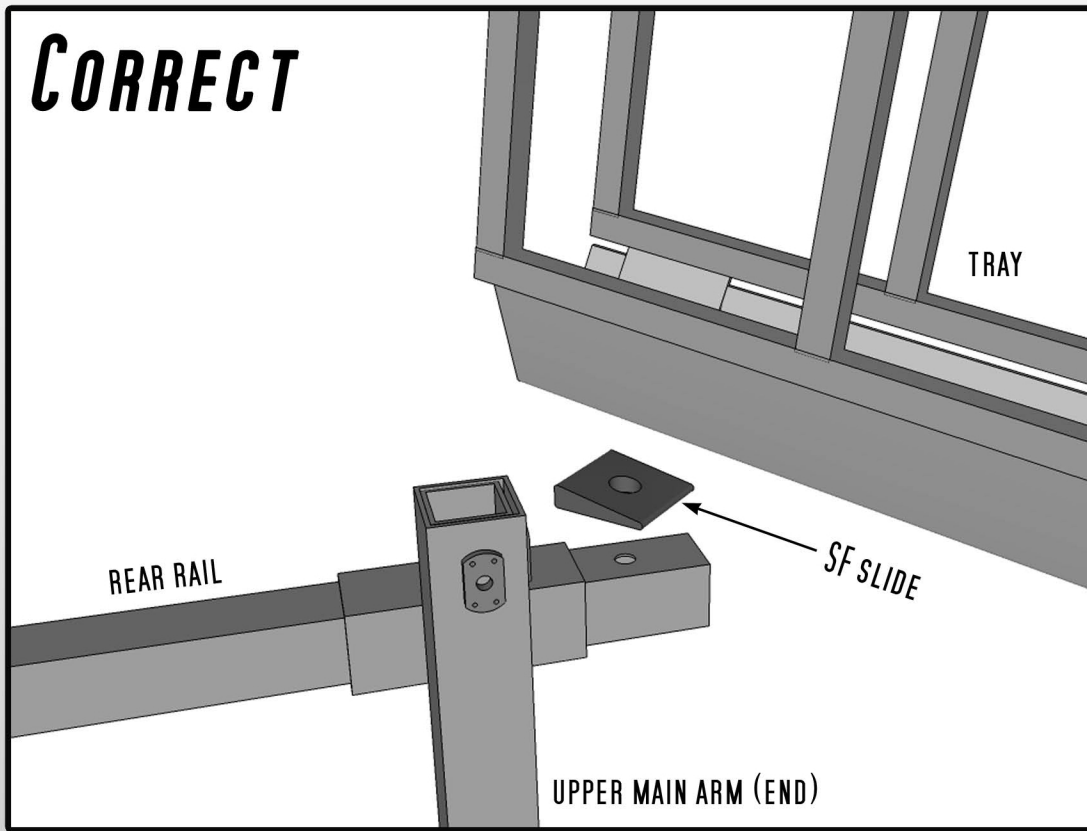


## step 3

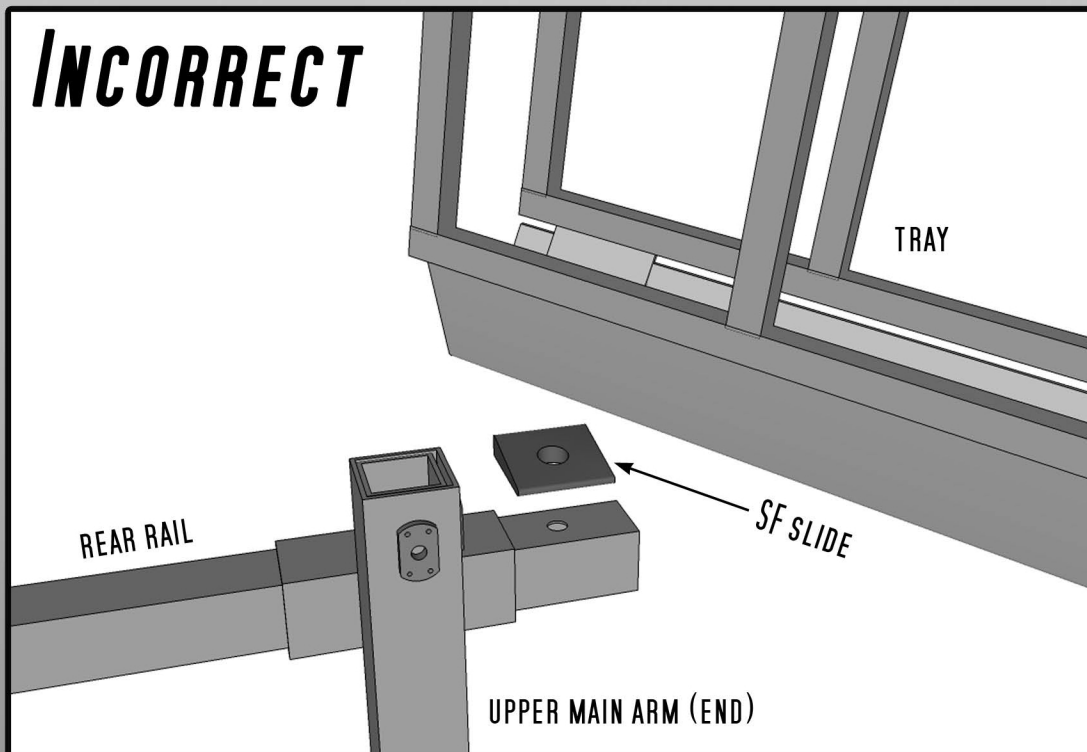
Then using a 1/4" x 3/8" set screw secure the tire catch into the stanchion.

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

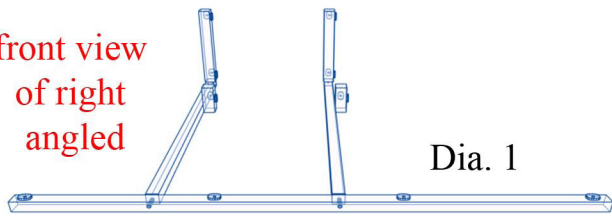
# PROPERLY ATTACHING TRAYS TO STRUCTURE ON UPPER TIERS.



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!



front view  
of right  
angled

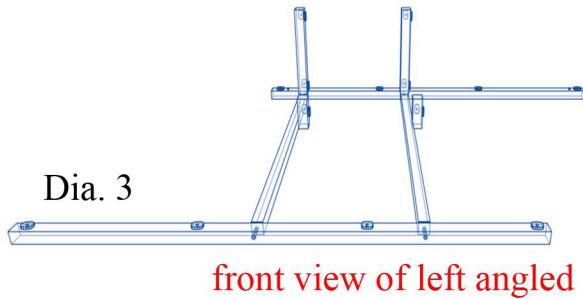
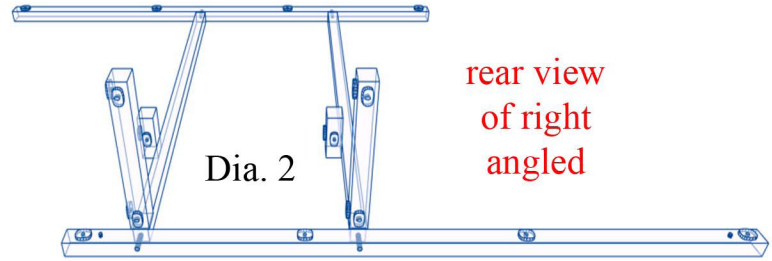


## step 1

Locate the bottom front rail (no dot on ends of rail, with weld tabs every 18"). attach rail to floor supports, as shown in Dia. 1, using 5/16" x 2" bolts.

## step 2

Next locate the bottom rear rail (spot welds on both ends of rail, and weld tabs every 18"). Now attach the bottom rear rail to the floor supports, as shown in Dia. 2, using 5/16" x 2" bolts.

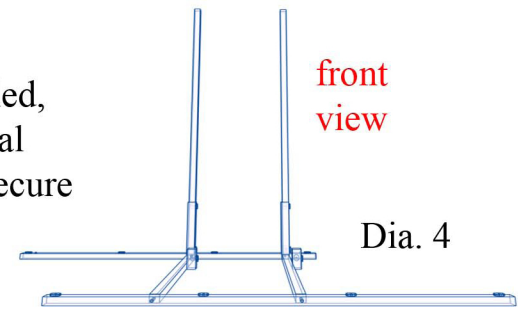


## STOP!

Dia. 1 and Dia. 2 are pictures of a right angled orientation, 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 before bolting down.

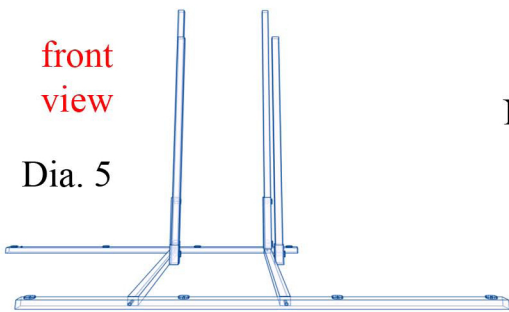
## step 3

Now that you have decided which direction you want your rack angled, locate the 61" vertical posts. Insert the vertical posts into the vertical tubes on the rear of the end floor supports.. Using 5/16" x 1/2" bolts secure the vertical post to the floor supports. Shown in Dia. 4.



front  
view

Dia. 5

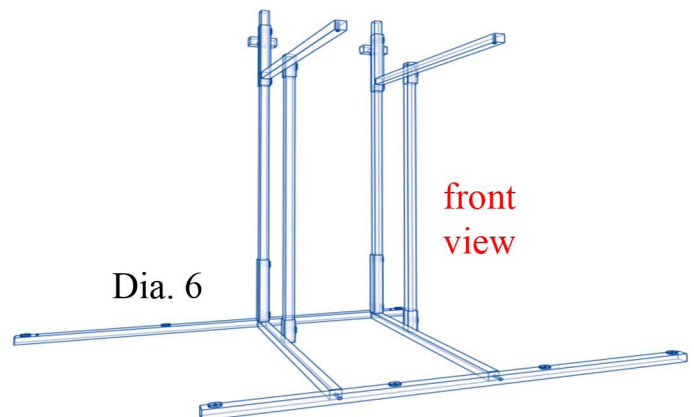


## step 4

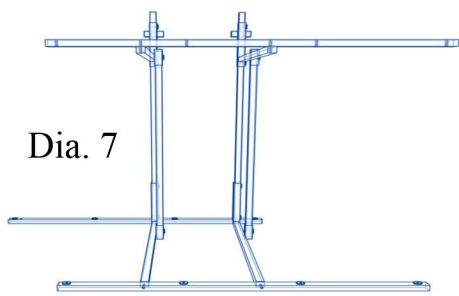
Next find the 57" vertical posts, and insert them into the open vertical tubes in middle of the end floor supports, as shown in Dia. 5. Using 5/16" x 1/2" bolts secure them to the floor supports.

## step 5

Now you need to locate the end upper main arms . Slide the upper arms over the vert posts, as shown in Dia. 6. 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 top of the horizontal bar on the upper main arms . Then using 5/16" x 1/2" bolts secure the upper main arms to the vert posts at desired height.







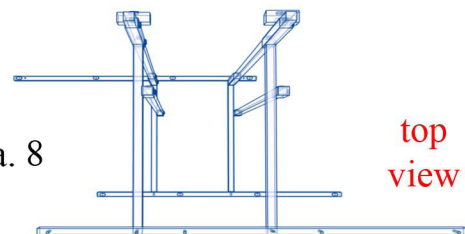
Dia. 7

front view

### step 6

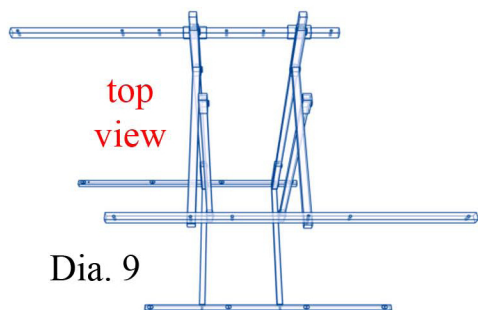
next you need to locate one of the top rails (should only have holes through it). Place the rail on the front of the upper main arms corresponding to the placement of the bottom front rail. As shown in Dia. 7.

Now you can align the holes on the rail and the holes on the upper main arms, as shown in Dia. 8. Using 5/16 x 3" bolts secure the rail to the upper main arms.



Dia. 8

top view



top view

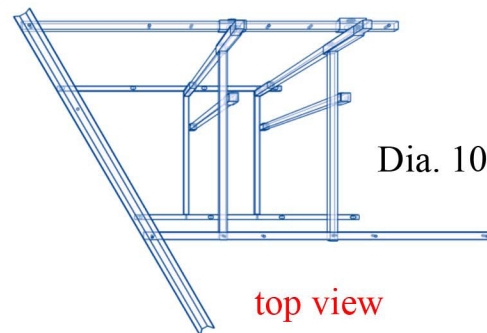
Dia. 9

### step 7

Now find another top rail, slide it through the horizontal tubes on the back of the upper main arms. As shown in Dia. 9

### step 8

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 on the rear rail. As shown in Dia. 10. Using 5/16" x 1/2" bolts **secure the top rear rail to the upper main arms**.

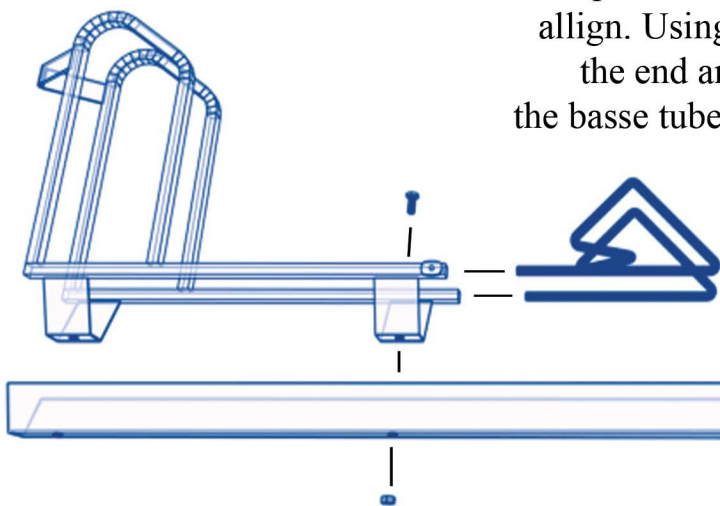


Dia. 10

top view

### step 9

This step is preassembling the trays so that you can easily attach to the super structure. Lay the stanchion in the tray so that the two holes align. Using a 5/16" x 3/4" bolt insert it in the second holes from the end and secure with a lock nut, then slide tire catch into the basse tubes of the stanchion and secure with set screw, as shown in Dia. 11. **repeat for all trays**.

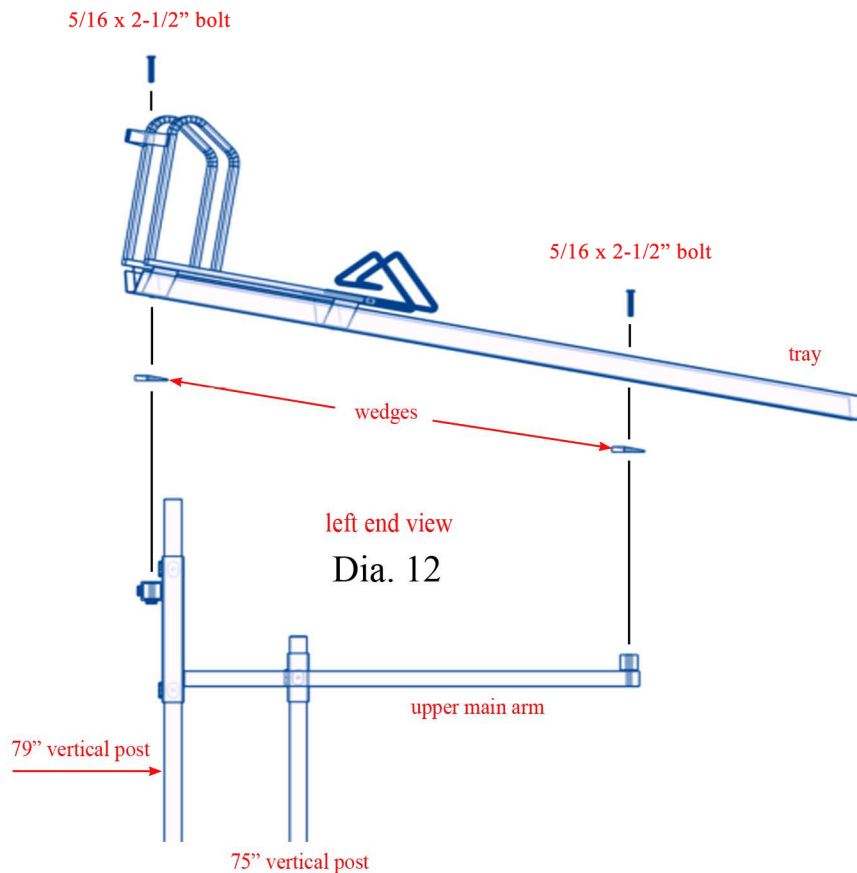


Dia. 11

## step 10

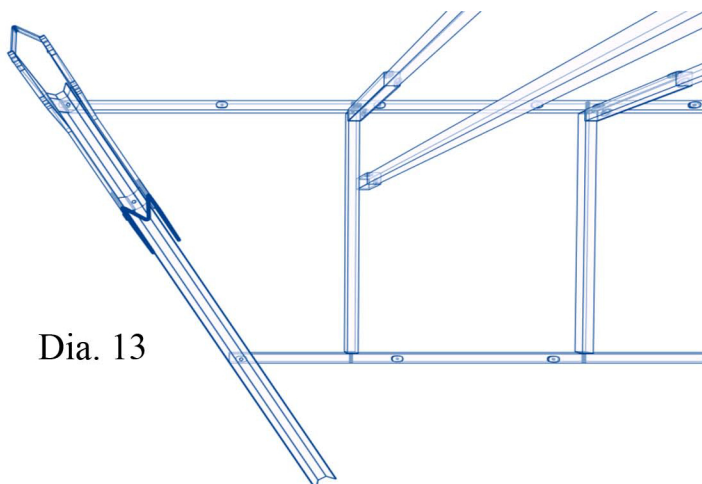
The last two steps is to attach the trays to the structure.

Start at one end of the structure (on second tier), place wedges on the rails with the holes over the holes of the rail. Using  $5/16 \times 2-1/2$ " bolts attach the tray to the rails putting the bolts through the tray (and stanchion), the wedge, and finally the rail, securing with lock nuts from below. As shown in dia 12.



## step 11

For the trays on the bottom tier, align the holes on the tray with the ones on the rails, and secure with  $5/16 \times 1/2$ " bolts. As shown in Dia. 13



Your straight forward rack should now be complete.