



CTTR Tire Rack

Required tools



Torque wrench, ratchet, 9/16" socket, tape measure, and square edge.

ASSEMBLY REQUIREMENTS

*Torque all T-bolt nuts to 35-40 foot pounds.

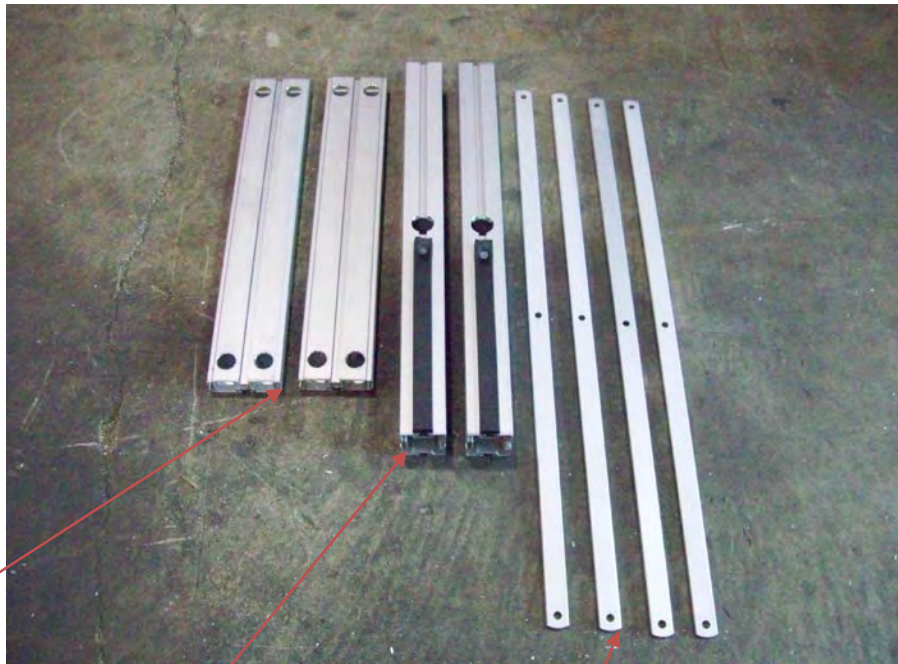
Failure to follow the assembly instructions could result in serious injury or death.
Incorrect assembly or modifications to your trailer will void any specific or implied warranty.

Never install your tire rack with a car on the trailer.

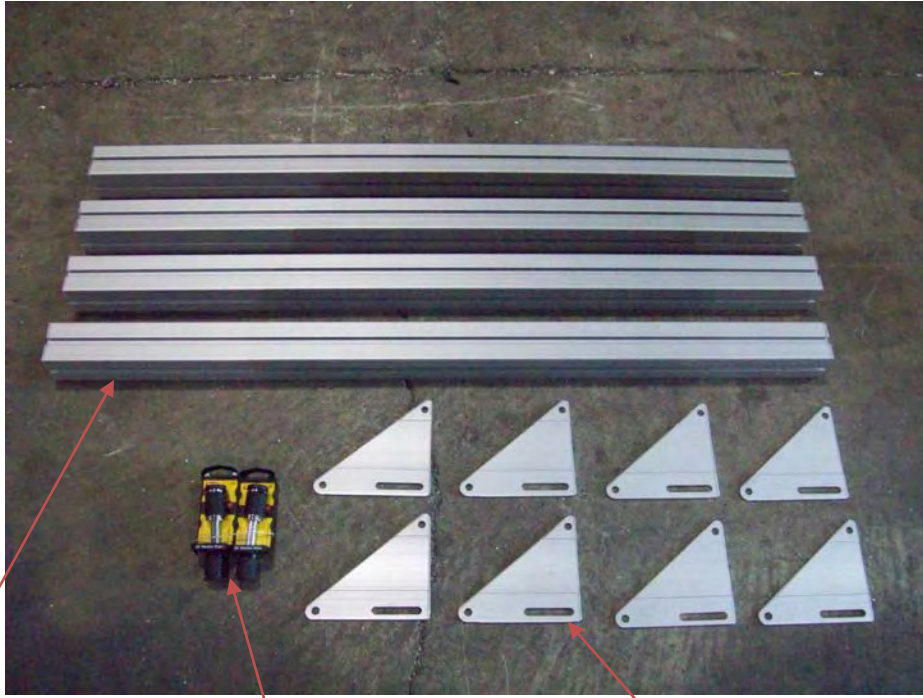
For questions or assistance assembling call 800-282-5042.



Angles: 4) $\frac{1}{4}$ x 2 x 2 x 4 long 4) $\frac{1}{4}$ x $1\frac{1}{2}$ x $3\frac{1}{2}$ x $2\frac{3}{8}$ long 8) $\frac{1}{4}$ x $1\frac{1}{2}$ x $3\frac{1}{2}$ x 4 long



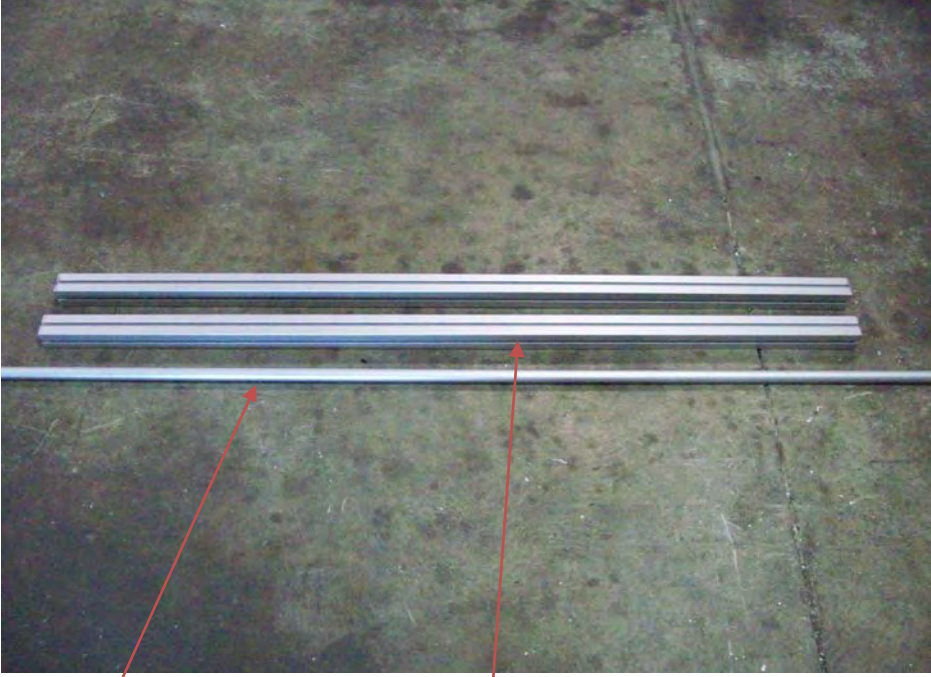
2) Cross ends 23" long 2) upper post 27" long 4) $\frac{1}{4}$ x $1\frac{1}{8}$ X braces 36" long



4) Posts 45" long

2) dead bolt locks

8) triangle plates



1) 1 1/4 Aluminum tube

2) horizontal bars



2) Bags of T-bolts and nuts.



Locate the cross end and install T-bolts through each of the four outside holes. Install nuts on each of the T-bolts but don't tighten yet.



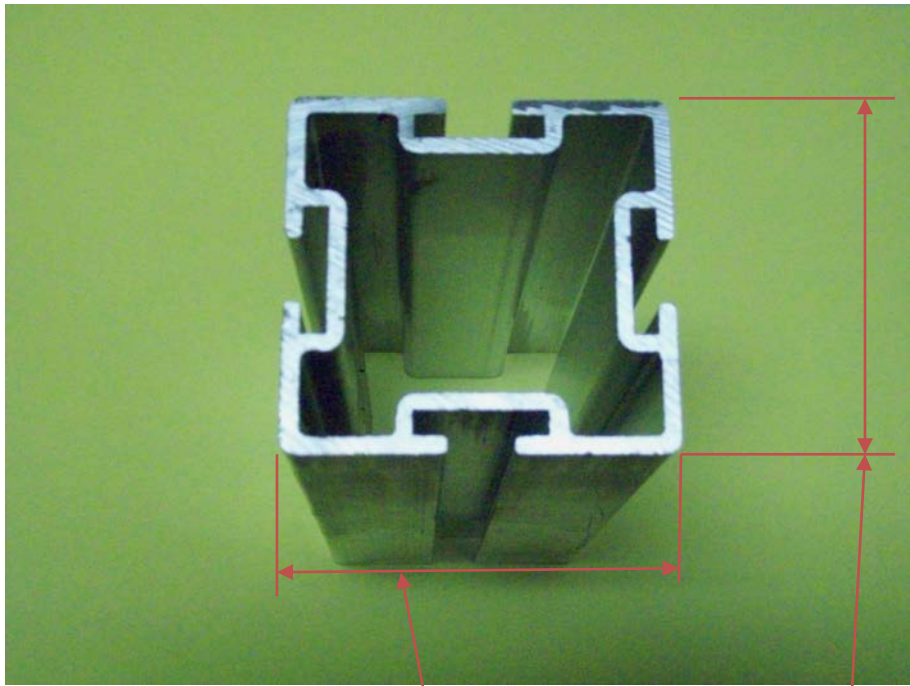
Backside of cross end



Front side of cross end



Locate the four 45" long posts.



2 1/2"
Top side of post

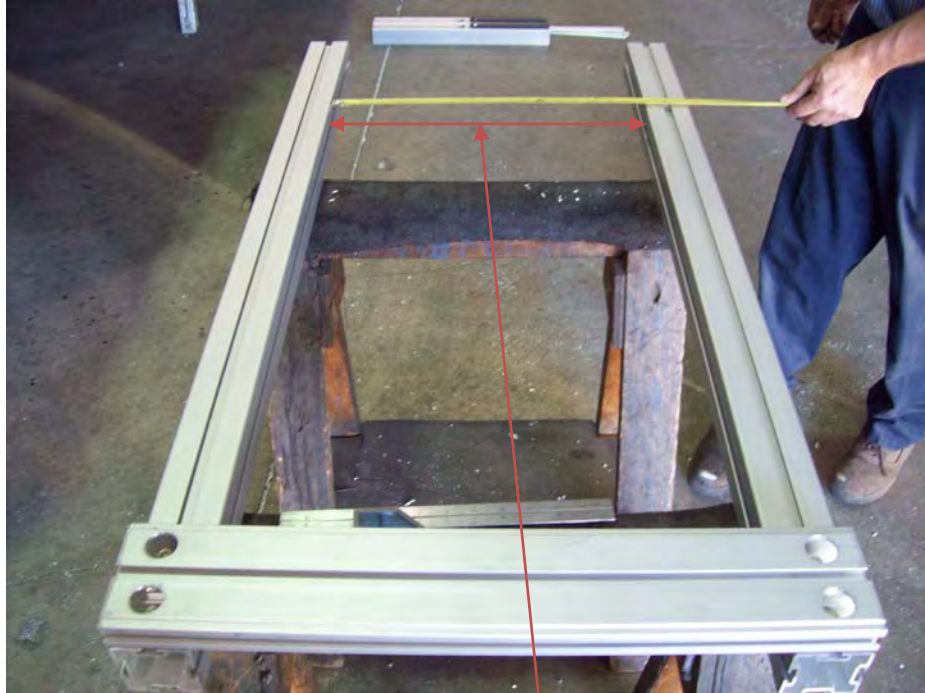
2 3/8"



Install cross end on the 2 ½" side of both post.



Tighten only the top nut on both posts at this point.

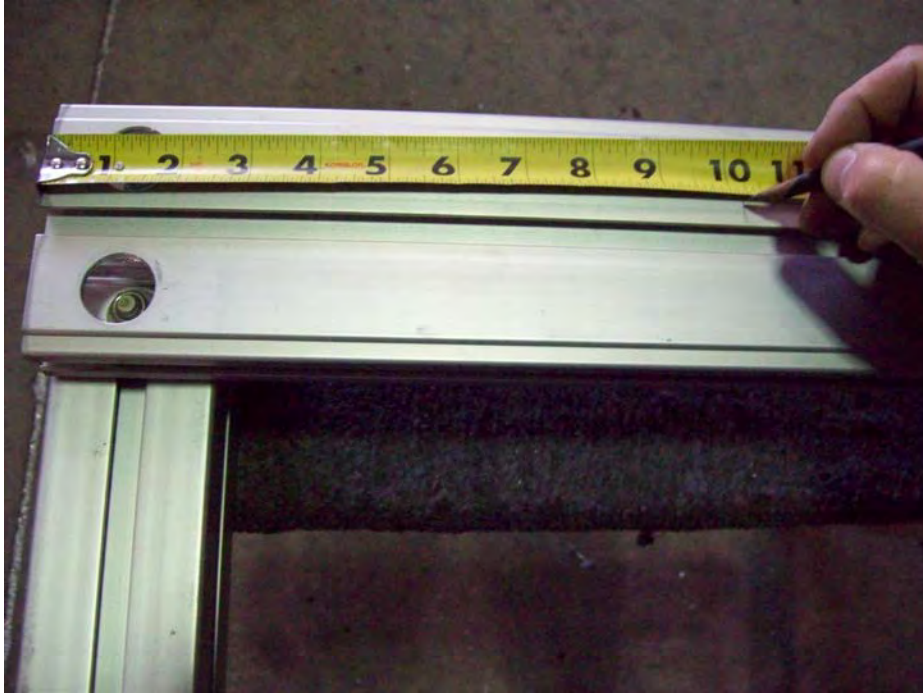


18" inside

The post should be 18" apart on the inside.



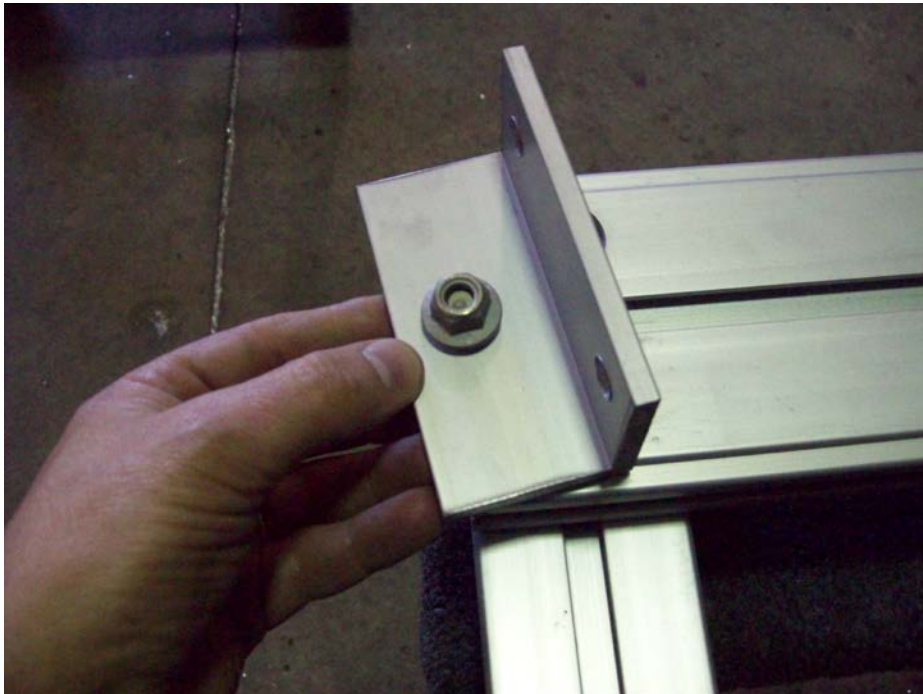
Once posts are in position, square up and tighten all nuts at this point.



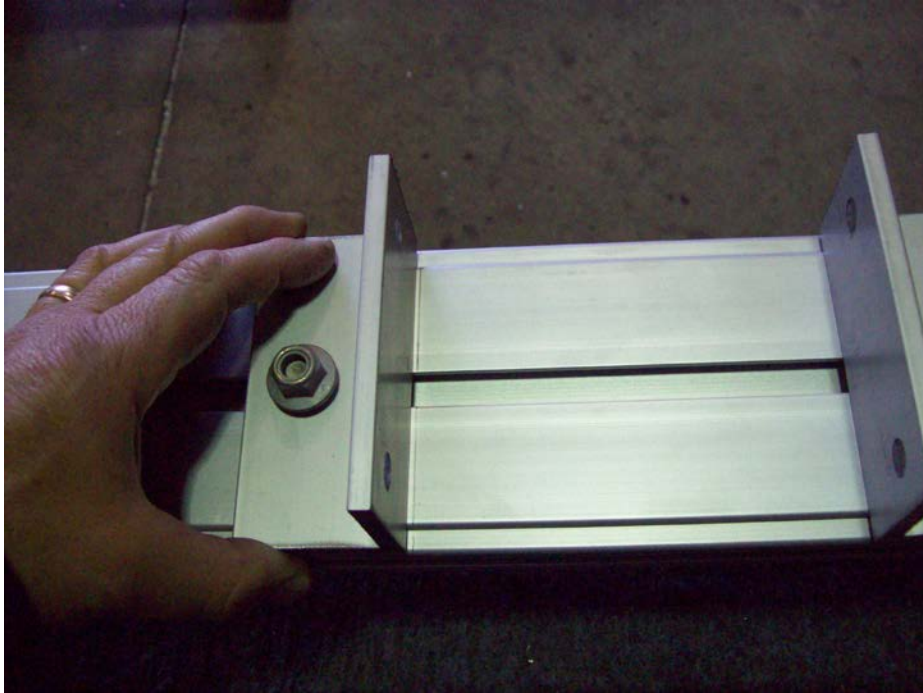
Measure from the end of the cross end in $10 \frac{1}{4}$ "and make a pencil mark.



Locate the $\frac{1}{4}$ x 2 x 2 x 4 angles and install T-bolts and nuts as shown.



Insert angle into the cross end and slide over to the pencil mark.



Align the back side of the angle with the pencil mark. Once in position tighten nut. The other side leave loose at this point.



At this point flip the assembly over. Then from the top of both post measure down 2 3/8" and make a pencil mark.



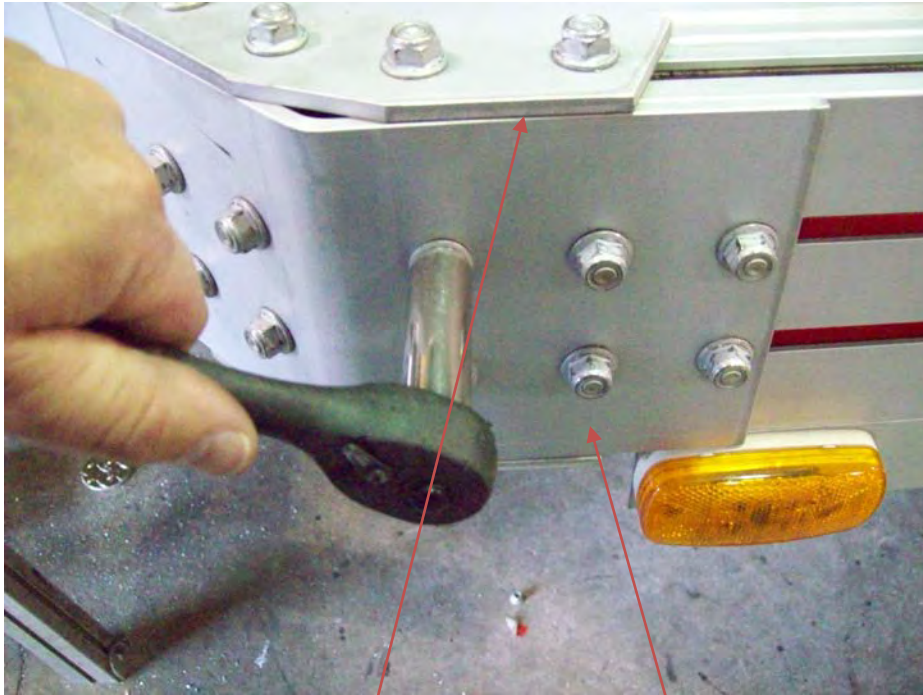
With a square edge on the pencil mark draw a line across the post.



Install T-bolts and nuts on two of the $\frac{1}{4}$ " x $1\frac{1}{2}$ " x $3\frac{1}{2}$ " x $2\frac{3}{8}$ " long angle. Insert angles into the top of each post. Align the top side of the angle with the pencil marks on each of the post. Once angles are squared up tighten nuts.



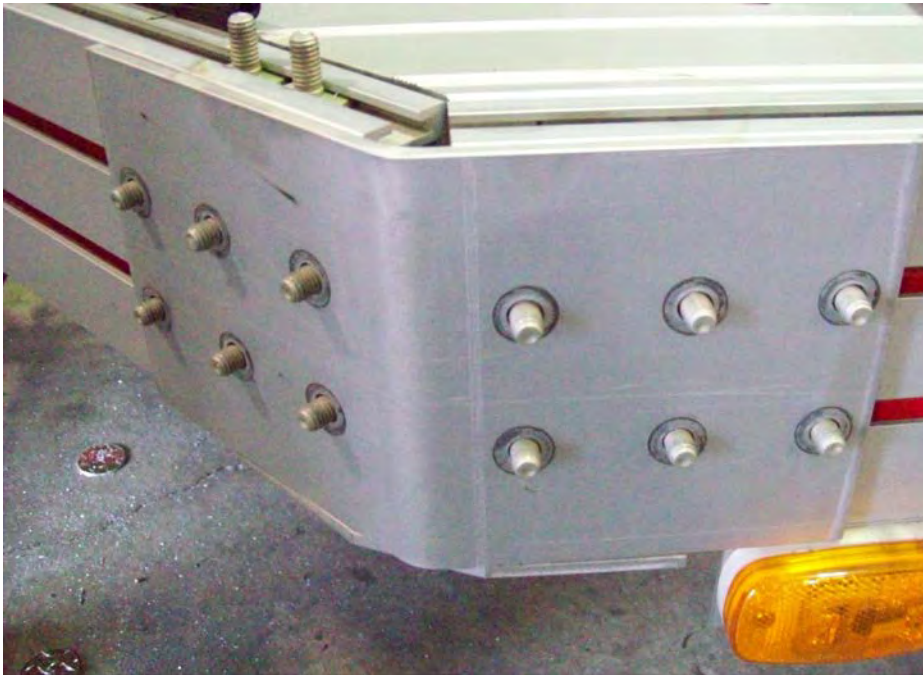
The post assembly should look like this when together. Repeat the process for the other side now.



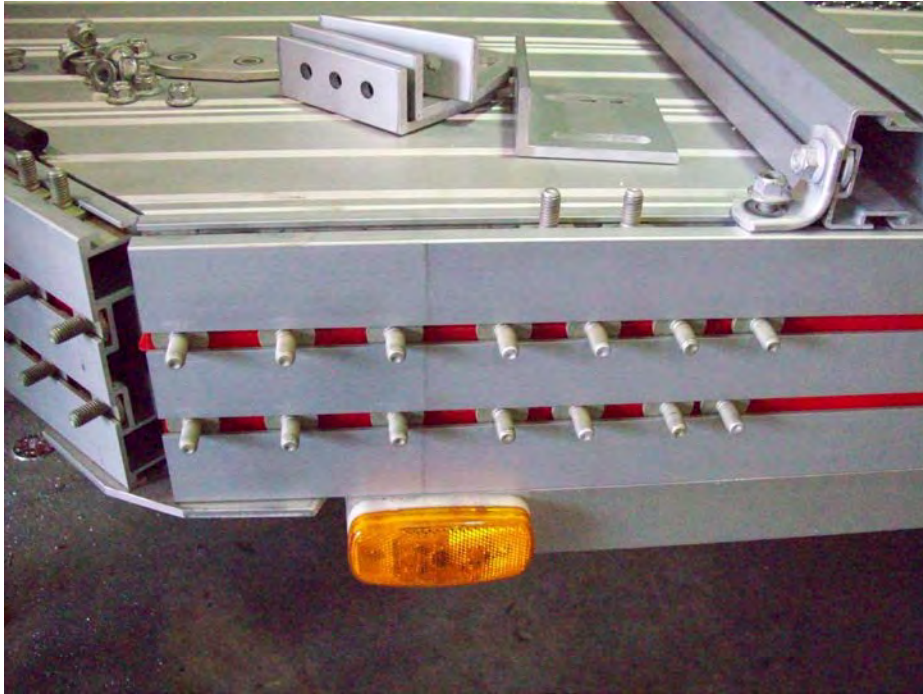
Top elbow plate

corner plate

Remove the nuts from the top elbow plate and corner plate.



Remove both plates at this point.



Install four T-bolts in the upper and lower slots as shown.



Reinstall the plates and tighten nuts. Torque all nuts to 40 ft lbs at this point. Repeat this process for the other side.



Insert $\frac{1}{4}$ " x $1\frac{1}{2}$ " x $3\frac{1}{2}$ " x 4" angle on T-bolts in side rail and install nuts.



Position the angle against the edge of corner plate. Be sure to square up the angle before tightening the nuts.



Measure from the back side of the angle 20 ½” and make a pencil mark.



With a square edge draw a line at the 20 ½” mark. This is where the rear angle will be positioned.



Install rear angle bracket and square up before tightening nuts. Make sure you have two T-bolts on each side of the rear angle bracket.



At this point brackets should look like this. In the slotted part of each bracket install a T-bolt and nut facing toward the front of the trailer.



Insert post assembly in the T-bolts on the angle brackets as shown.



Make bottom of post assembly even with bottom of the angle bracket. Tighten nuts at this point.



Post assembly mounted on trailer should look like this.



Install the other two angle brackets on the back side of each post. Tighten all nuts at this point.



Insert T-bolt in the bottom of each post and install 36" brace. Install nuts but do not tighten.



Slide braces up and install T-bolts at the bottom of the post.



Align the holes in the center of the braces. Insert a 1" bolt from the back side of the brace and install nut. Do not tighten yet.



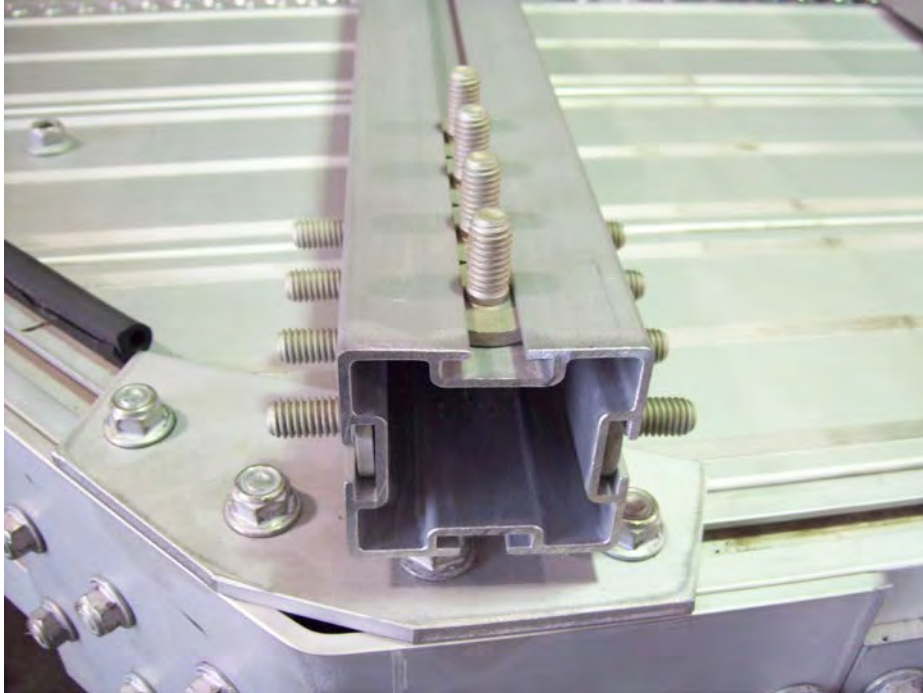
Slide X bracing up and position it 2" from the underside of the cross end. Tighten all nuts on X bracing now.



Repeat the process for the other side.



Locate the triangle plates and install T-bolts and nuts as shown. You should have a total of four left hand and four right hand plates.



Shown upside down

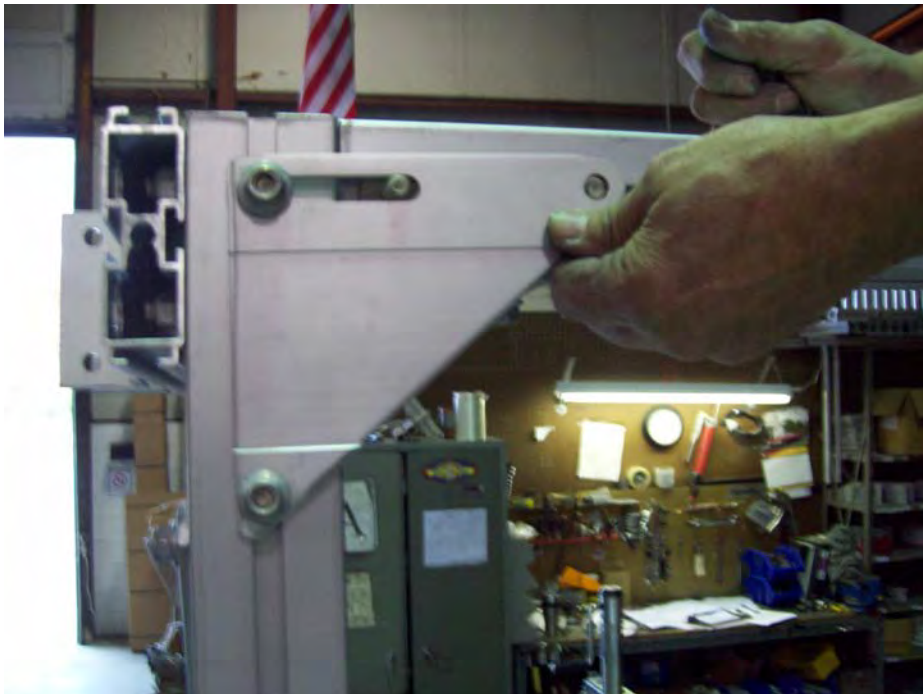
Locate the two horizontal bars; install four T-bolts on each of the 2 3/8" sides. On the bottom, install four T-bolts on the 2 1/2" side.



Install the 2 1/2" side of the horizontal bar into the angle. Make sure each angle has two T-bolts installed in it.



Slide the triangle plates on each side of the post.



Install plates over T-bolts on the horizontal bar. Make sure to have two T-bolts on each end of the horizontal bar.



Install nuts on T-bolts and align triangle plate. Tighten all nuts at this point, inside and out, on each post.



Install nuts on the underside of all four corners of the horizontal bar. Tighten nuts at this point.



Locate the two 27" vertical posts.



Install T-bolts and nuts on angle then slide the vertical post on. Align the post with the bottom edge of the angle and tighten nuts.



Install two T-bolts in the bottom of the post and slide angle over. Install nuts and tighten.



Slide 1 ¼" tube through the hole on the vertical post.



Once in position, install locks at both ends.



KJM 11/1/12

Finished tire rack shown with optional compression plates and fasteners.