

HORIZONTAL SUBSTRATE STORAGE RACK ASSEMBLY INSTRUCTIONS

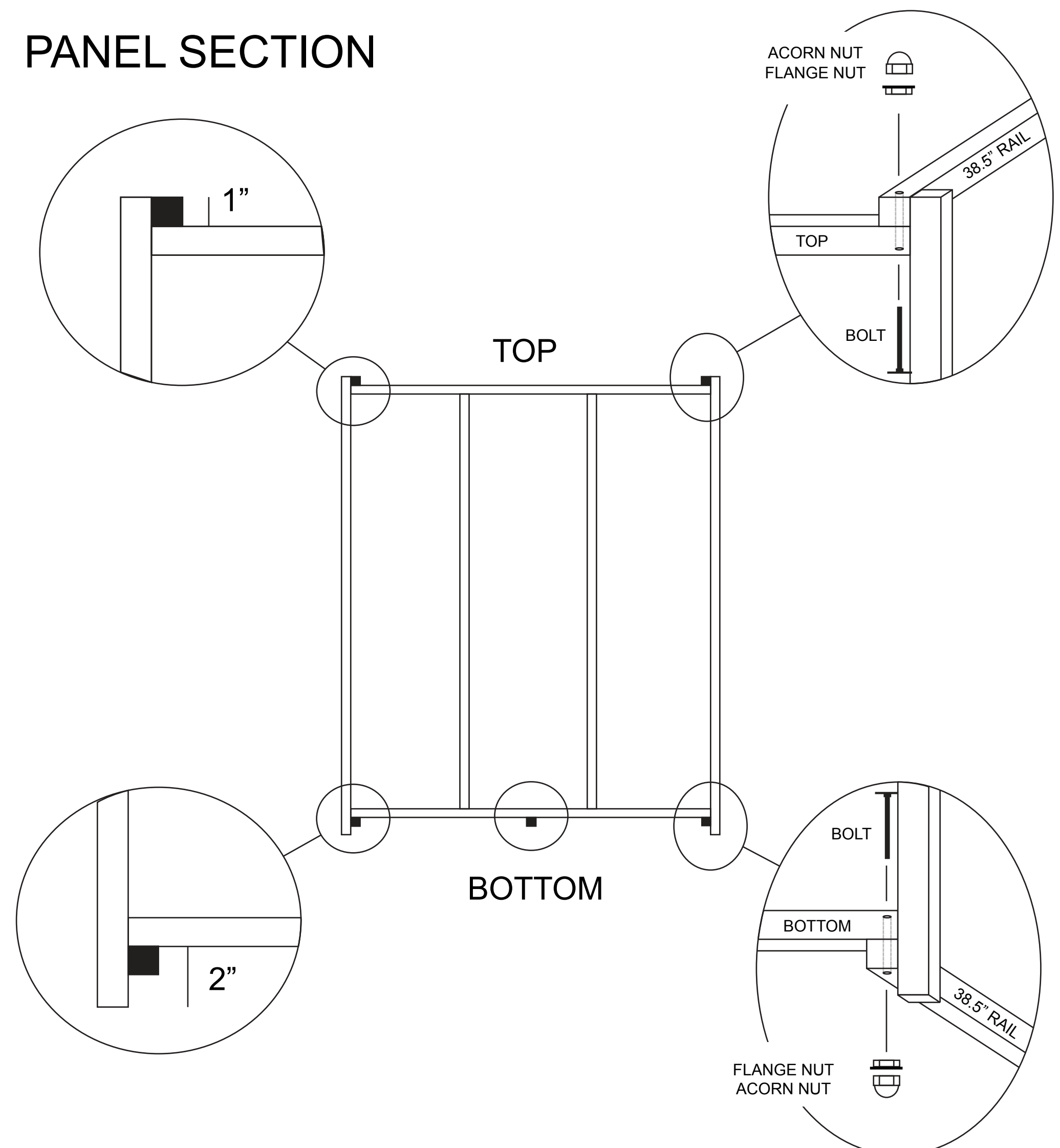
PARTS LIST:

16 - 1/4" x 20 Elevator Bolts	16 - 1/4" x 20 Flange Nuts
16 - 1/4" x 20 Acorn Nuts	16 - Plastic End Caps
1 - 12' Double Sided Tape	

PANEL SECTION



**Illustrations are not to scale*



REQUIRES TWO PEOPLE FOR ASSEMBLY AND INSTALLATION OF THE PANS

1. Study the assembled and exploded pictures of the substrate rack.
2. Tap all plastic end caps into open ends of all tubing (16 total).
3. Stand one divider on its side and attach an 8' rail to the bottom, as pictured in the drawing or it will be very difficult to tighten the nuts.
NOTE the bottom of the divider has a 2" leg and the top has a 1" leg.
The bolt goes through the divider first and then through the 8' rail. Secure with flat washer and flange nut. Snug, but do not tighten completely until all four divider sections have been secured to both bottom 8' rails.
4. Attach another 8' rail to the bottom of the four dividers. Now tighten all eight hardware assemblies.
NOTE that the square part of the bolt will be wedged into the round hole of the tubing and this will allow the nut to be tightened even though there is no bolt head to grip.
5. Stand the assembly up and attach the last two 8' rails to the top of the dividers. Insert the bolts from below, through the divider and up through the top rail. Secure with flat washer and flange nut. Snug, but do not tighten until all eight hardware assemblies are installed and then tighten as in step 4. Cap off the top eight bolts with the acorn nuts.
6. Apply double sided tape to the center of the opening in each divider by cutting (20) strips at 7" long each. The tape is applied where the pans sit in the dividers. Don't put the tape on any of the bolt heads. Offset the tape in these openings. Be sure to remove tape backing before installing the pans. Feed the pans in at an angle between dividers' vertical rails. When even at both ends, rotate into place and press down to stick to tape.