

# Ground Control Systems® Center Stage™ & Side Stage™ Assembly Instructions

## TOOLS NEEDED FOR INSTALLATION

1. Gloves
  2. Penta security bit tip (included)
  3. 3/4" socket and wrench or equivalent
  4. 5/32" and 5/16" allen wrenches
  5. Torque Wrench-100 ft. pounder\*
  6. Level
  7. Measuring tape
- \*optional. A standard socket wrench can substitute

**CAUTION:** Gloves should be worn when handling the galvanized Unistrut™ rails and galvanized kick tube.

Recommended: Two-person build

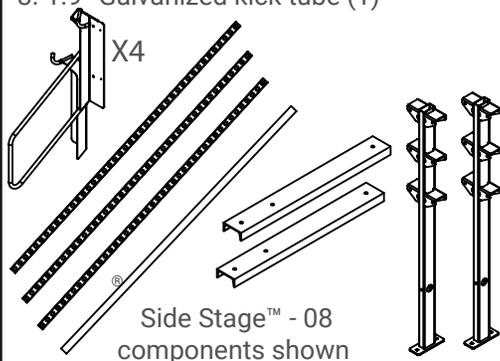
NOTE: These instructions are for assembly of the Side Stage™ and Center Stage™ with Offset® Docks.

1. Remove the contents from the box and make sure all the components are present.

### Items Required for Side Stage™ - 08

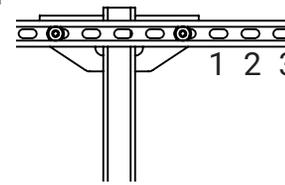
1. Support Towers
2. Support Base
3. Offset® docks
4. Galvanized U-rails (3)
5. Galvanized hardware kit (1 per tower)
6. Offset® dock mounting kit (1 per VR-2)
7. Zinc U-rail mounting kit (1 per tower)
8. 1.9" Galvanized kick tube (1)

Anchor options available from Ground Control

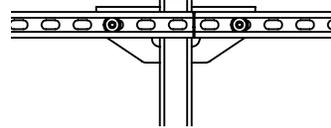


\*If installing a Center Stage™ you should receive 3 additional U-rails with mounting kits, additional docks with mounting kits and the legs will be longer. You will have 2 spare zinc bolts.

2. Place the towers horizontally on the ground on top of something that will prevent damage to the finish. Align the three U-rails with the flange nuts and leave approximately 3 open holes at the end. Using 2 socket cap screws and two zinc 1/2" washers, bolt the U-rail to the tower and snug the fastener; do not tighten at this time. Repeat this step twice more for this tower with the two other rails. Repeat this again, for the other tower.



Side Stage™ or Center Stage™ without Add-On



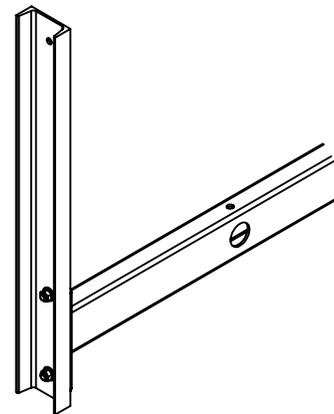
Side Stage™ or Center Stage™ with Add-On

If you will be utilizing an Add-On section (if you have more than 2 total towers) then bolt the U-rails to the tower using the 2nd to last available hole. Then connect the Add-On U-rails, meeting in the middle as shown.

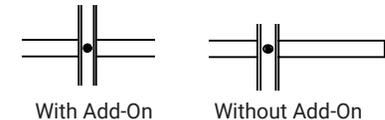
Once all U-rails have been attached, square up the assembly by measuring corner to corner and adjust until both diagonal measurements are the same. Tighten down all U-rail bolts at this time.

If installing a Center Stage™, flip the assembly over and attach the remaining U-rails. Check to ensure the assembly is still square and tighten down all of the remaining U-rail bolts at this time.

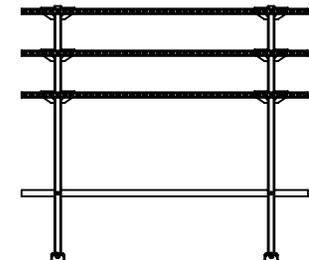
3. Attach the legs to the towers. Using a pair of 2x4's as blocks, prop up the end of the tower. If you do not have something to prop up the bottom of the tower, or if you are building a Center Stage™, have a partner hold up the bottom end of the tower to clear the backside of the legs. Using the Galvanized hardware kit, place the carriage bolt through the flange plate. Place the leg over the bolt, then the washer and nut. Tighten the nut until snug. Fasten the other nut and washer in a similar fashion. Re-tighten the nuts until very tight. If you have a torque wrench, tighten to 60 to 80Ft-Lbs.



4. Insert the kick tube at this time. Put it in place, one end at a time, do not push all the way through. Torque the leg of the tower slightly to align the hole properly. Feed the kick tube through until the other end clears the other tower. Even up and center the kick tube. secure it in place using the 1/2" socket cap screw.



5. Lift the rack until vertical. it may be necessary to place something under the back of the leg, to prevent slipping or prevent damage to the floor.

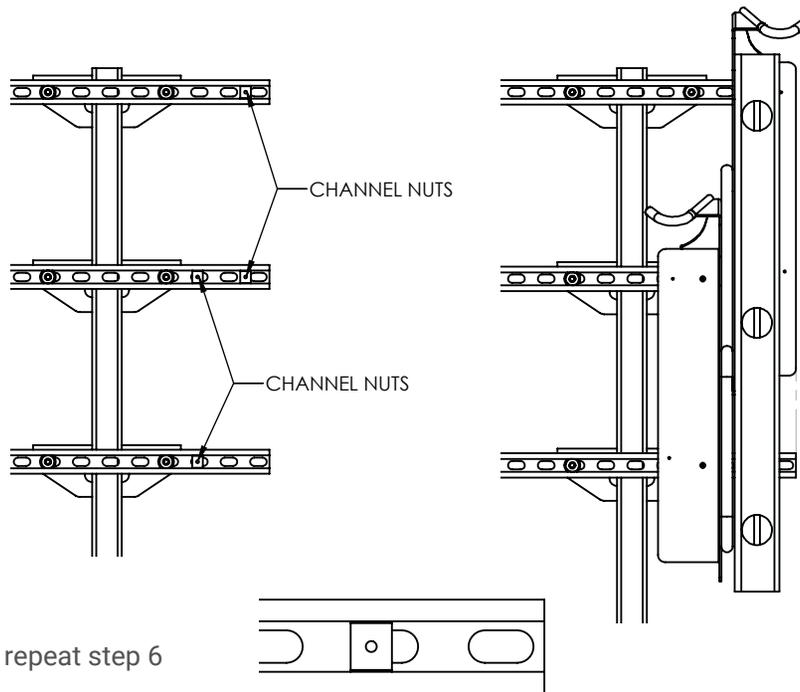


Gently move the rack into its final position according to layout. Anchor if necessary at this time. Please follow the specific instructions for your anchor type.

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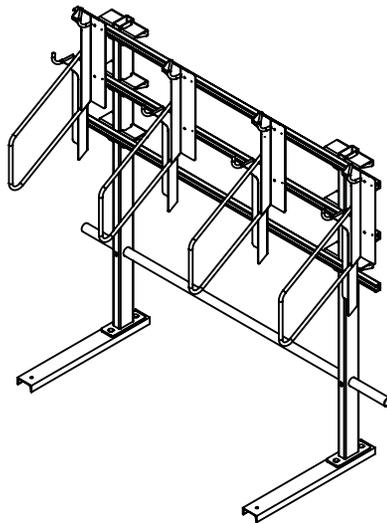
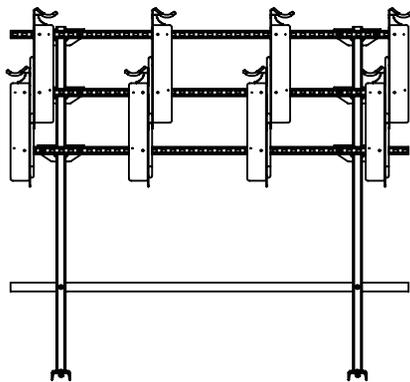
6. Install the channel nuts into the rails as shown. Be sure to twist the nuts, so that they are fully engaged with the U-rails, as shown in Detail A. Using the security screws, secure an Offset® Dock to the rack. Leave the screws engaged, but not snug. Align the first Offset® Dock to one end, the second to the other end and the rest equally spaced in between. Level each Offset® Dock and tighten penta screws with penta bit tip until snug.



Detail A

If building a Center Stage™, repeat step 6 on the other side.

## Side Stage™ - 08

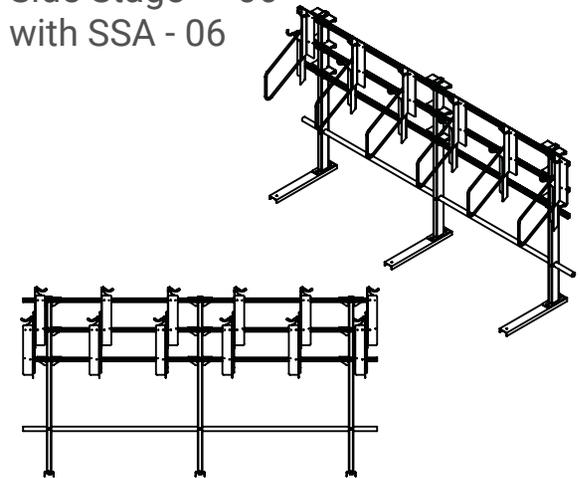


For questions or concerns regarding the assembly and installation of the Side Stage™, Center Stage™ or Offset® Docks, please call Ground Control at 800-630-7225 or email us at [info@groundcontrolsystems.com](mailto:info@groundcontrolsystems.com)

These installation instructions are intended for the assembly of the Side Stage™, Side Stage™ Add-On, Center Stage™, and Center Stage Add-On. If you have any questions about the assembly and installation or of the anchoring of one of these systems, please give Ground Control a call or visit our website for complete documentation on these products and accessories.

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## Side Stage™ - 06 with SSA - 06



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CENTER STAGE - SIDE STAGE - ASSEMBLY INSTRUCTIONS