

Clearview[®] Railing System Installation Instructions for the **NEW! OLYMPUS Horizontal Bar line** (rev. 4/7/14)

WHAT YOU WILL NEED:

- 24" Level
- Power drill, 3/16" drill bit
- 1/2" and 9/16" sockets
- (2) 7/16" wrenches
- Tape measure
- Small vise-grips
- 5/32" hex wrench (for flat top rail)
- Masking tape
- Clean rags
- Acetone
- Caulking gun
- Clamps (for flat top rail)
- Small Phillips screwdriver (for flat top rail)

Please read instructions thoroughly before beginning installation. You should also open each box and take an inventory of the contents. If the quantities do not match those on the packing list (which can be found in Box #1) notify AGS right away.

*****If you have any questions at any time during the installation, do not hesitate to call us.***
We are here to help. You can reach us at (888) 842-9492, Mon.-Fri. 8-430 PST.**

AGS Stainless, Inc. has its Clearview[®] Railing Systems designed by a professional engineer to meet the requirements of the latest national building codes. It is the responsibility of the customer to verify compliance with local governing codes. AGS strongly recommends having a qualified entity review, design and/or construct the supporting structure to ensure it is capable of resisting the code-prescribed loads imparted on it by the railing system.

SYSTEMS WITH FLAT OR WOOD TOP RAIL

SECTION 1: SIDE MOUNT POSTS (For top mount systems, skip to Section 2)

- 1A. Unpack and place up to ten posts, the corresponding top rail segments and infill tubes in their general area of installation per the provided drawings. This is a manageable amount of work to start with and will allow you to get familiar with the system. Begin your installation at an end post or where designated on the drawings.
- 1B. Attach the end fittings, tightening just past finger-tight with Vise-grips, and slide on the O-rings (two per fitting).
- 1C. Locate the post per the drawing and mark the location of the top lag screw per the detail.
- 1D. Drill a pilot hole at this point with the 3/16" drill bit.
- 1E. Position the post so that its top mounting hole is aligned with the pilot hole and install one of the 3/8" lag screws, snug-tight. Plumb post in both directions and insert the bottom lag screw in the same manner. Tighten both screws.

Note: If the next post in the run is an end post (any post that requires fittings, including those at stairs, ramps, etc.), repeat Steps 1B – 1E, otherwise, continue to Step 1F.

- 1F. Insert the bushings into the holes on each side of the intermediate post. Locate the post and install as detailed in steps 1C - 1E except DO NOT insert the BOTTOM lag screw at this time.

- 1G. Slide the infill tubes through the intermediate post until each bar is fully seated on the end post fitting.
TIP: Wipe the O-rings and inside of the bushings with a damp rag to facilitate sliding the tube.
- 1H. Insert a splice fitting into the open end of each infill tube. Make sure it is fully seated.
- 1I. Finish the post installation as in Step 1E and proceed as directed (in Step 1E).

If you are installing a wood top rail, proceed to Section 3. For flat top rail proceed to Section 4.

SECTION 2: TOP MOUNT POSTS

- 2A. Unpack and place up to ten posts, the corresponding top rail segments and infill tubes in their general area of installation per the provided drawings. This is a manageable amount of work to start with and will allow you to get familiar with the system. Begin your installation at an end post or where designated on the drawings.
- 2B. Attach the end fittings, tightening just past finger-tight with Vise-grips, and slide on the O-rings (two per fitting).
- 2C. Locate the post per the drawing so that the edge of the base plate is parallel with the edge of the mounting surface. Drill a pilot hole with the 3/16" drill bit in one of the four mounting holes then install a 5/16" lag screw.
- 2D. Drill the remaining pilot holes and insert lag screws. Plumb post and tighten all of the screws.
TIP: Centering a shim under the base plate will facilitate plumbing the post if surface is uneven.

Note: If the next post in the run is an end post (any post that requires fittings, including those at stairs, ramps, etc.), repeat Steps 2B – 2D, otherwise, continue to Step 2E.

- 2E. Insert the bushings into the holes on each side of the intermediate post. Locate the post and install as detailed in steps 2C – 2D except DO NOT tighten the lag screws at this time.
- 2F. Slide the infill tubes through the intermediate post until each bar is fully seated on the end post fitting.
TIP: Wipe the O-rings and inside of the bushings with a damp rag to facilitate sliding the tube.
- 2G. Insert a splice fitting into the open end of each infill tube. Make sure it is fully seated.
- 2H. Finish the post installation as in Step 2D and proceed as directed (in Step 2D).

If you are installing a wood top rail, proceed to Section 3. For flat top rail proceed to Section 4.

SECTION 3: WOOD TOP RAIL



Your wood top rail should meet requirements of your local Code. Talk to your top rail provider about wood species, shapes and screw size for attachment to the post. AGS recommends a shape with a 1 1/2" wide flat spot on the bottom for a nice connection at the post.
(Note: Hardware for attaching wood rail is not included).

SECTION 4: FLAT TOP RAIL

- 4A. Begin with the top rail component that corresponds to the first post(s) installed.

- 4B. Clamp the component to the posts taking care not to scratch the surface. Make sure the top rail is centered on the post cap plate. Accurately locate mounting holes at all posts.
- 4C. Use the #18 drill bit provided by AGS to drill holes at these locations. **TIP: Flipping the top rail piece will greatly facilitate drilling.**
- 4D. Use the thread-cutting tap provided by AGS to cut threads into the holes. If using a power a drill, apply steady pressure at low drill speed until the tap has cut threads into the hole taking care not to bottom out the tap. Install a #10-32 x 3/8" screw. If there is a splice, continue to Step 4E, otherwise repeat Steps 4B - 4D at the next post. **Note: Straight lengths of top rail will follow the pitch of the mounting surface, so leveling them is unnecessary.**
- 4E. Slide the two-piece splice block (patent pending), holes down, into the open end of the flat top rail component you just attached to the post.
- 4F. At the part of the splice block inside the tube, spread the two plates with two set screws.
- 4G. Slide the next component over the exposed splice block and finish the splice connection with two set screws as in Step 4F.
- 4H. Repeat Steps 4B-4G until installation is completed.

THANK YOU FOR CHOOSING AGS STAINLESS, INC.

We want to hear from you! Send us your feedback and photos to be included in our website's Customer Photo Album. If you have any questions or concerns, please do not hesitate to call us at (888) 842-9492 or email us at info@agsstainless.com.

ARE YOU A CONTRACTOR?

AGS sells railing systems for projects all over the country. As easy as it is, some customers prefer not to do the installation. If you are a contractor and would like to be added to our list of recommended installers, please let us know. Send us some photos of your completed project along with your contact information and location (city, state, zip code) to info@agsstainless.com with the subject line "I'd like to be an AGS installer". When we have a customer in your area that is looking for someone to help with their install we will pass on your contact info.