

CLEARVIEW® INSTALLATION INSTRUCTIONS

REQUIRED INSTALLATION TOOLS:

- 24" Level
- Power drill, 1/8" and 3/16" bits
- 1/2" and 9/16" sockets
- (2) 7/16" wrenches
- Cable cutter & crimper
- Tape measure
- Small vise-grips
- Masking tape
- Clean rags
- Caulking gun
- Anti-seizing compound (No-Seize, etc.)

ADDITIONAL TOOLS FOR FLAT TOP RAIL SYSTEMS:

- "C" Clamp
- Small screwdriver

Please read instructions thoroughly before beginning installation.

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

Lay out the posts and top rail per the provided drawing(s). Begin your installation at any corner or where otherwise designated on the drawing(s).

- 1A. Locate the post per the dimensioned drawing(s), then measure down 2-9/16" from the top of the mounting surface.
- 1B. Drill a pilot hole at this point with the 3/16" drill bit. This is the location of the top mounting hole of the first post.
- 1C. Position the post so that its top mounting hole is aligned with the pilot hole and install one of the 3/8" lag screws.
- 1D. Use the level to plumb the post. Next, drill the pilot hole for the bottom mounting hole and insert a lag screw as in Step 1C. After ensuring the post is plumb in all directions, tighten the lag screws.**
- 1E. Proceed to Section 3 for Round Rail Installation.



**** For flat top rail or wood cap rail, repeat the steps in Section 1 until all posts are installed. Then, for flat top rail, skip to Section 4; for wood cap rail, skip to Section 5.**

SECTION 2: TOP MOUNT FRAME INSTALLATION

Lay out the posts and top rail per the provided drawings(s). Begin your installation at any corner or where otherwise designated on the drawing(s).

- 2A. Locate the post per the dimensioned drawing so that the edge of the base plate is parallel to the edge of the mounting surface.
- 2B. Drill a pilot hole with the 1/8" drill bit in one of the four mounting holes then install a 5/16" lag screw.
- 2C. Drill the remaining pilot holes and insert lag screws. Do not tighten them until the post has been plumbed in all directions using the level. **TIP: Centering a shim under the base plate will facilitate plumbing the post if surface is uneven.** Now tighten the lag screws.**
- 2D. Proceed to Section 3 for Round Top Rail Installation.



**** For flat top rail or wood top rail, repeat the steps in Section 2 until all posts are installed. Then, for flat top rail, skip to Section 4; for wood top rail, skip to Section 5.**

SECTION 3: ROUND TOP RAIL INSTALLATION (For flat top rail, skip to Section 4)

- 3A. Install the first rail component (i.e. railing segment; elbow; gooseneck) by applying bonding agent to the inside of each open end. Slide the component onto the sleeve of the installed post with a twisting motion. **Before applying bonding agent, clean the bonding surfaces with a clean rag and acetone.**
- 3B. Take the next post and, with a twisting motion, slide it into the open end of the top rail component. Then, following the steps in Section 1 or 2, install the post. **Horizontal members will follow the pitch of the mounting surface, so leveling them is unnecessary.**
- 3C. Repeat steps in Section 1 or 2 until installation is completed. Clean off excess bonding agent with acetone.
- 3D. Proceed to Section 5 for Cable Installation.

CONTINUED ON REVERSE SIDE

SECTION 4: FLAT TOP RAIL INSTALLATION

- 4A. Begin with the top rail component that corresponds to the first post(s) installed.
- 4B. Clamp the component on one side of the post with the “C” clamp to hold it in place. **TIP: Placing a rag between the clamp jaws and component will prevent marring the stainless steel.** Drill a pilot hole with the 1/8” drill bit provided by AGS Stainless. Install a #10 x 1/2” self-tapping screw, taking care not to over tighten. Repeat on each side of the post. If there is a splice, continue to Step 4C, otherwise skip to Step 4H.
- 4C. With acetone, clean the inside of the open end of the component that is to be spliced and apply bonding agent.
- 4D. Slide a splice block, pattern side down, into the end with the bonding agent.
- 4E. Install two #6 x 1/4” screws through the pre-drilled holes on the underside of the component to secure the splice block.
- 4F. After cleaning the end and applying bonding agent, slide the next component onto the exposed splice block and attach as instructed in Step 4E.
- 4G. Fasten the top rail to the corresponding installed post(s) as in Step 4B. **Note: Horizontal members will follow the pitch of the mounting surface, so leveling them is unnecessary.**
- 4H. Repeat Steps 4B-4G until installation is completed. Clean off excess bonding agent with acetone.
- 4I. Proceed to Section 5 for Cable Installation.

SECTION 5: CABLE INSTALLATION



**** FOR PROJECTS USING FLAT TOP RAIL OR WOOD TOP RAIL, DO NOT INSTALL CABLES UNTIL ALL RAILING HAS BEEN SECURED TO THE TOP OF THE POSTS. (Note: Hardware for attaching wood rail is not included).**

- 5A. Begin with the center cable or either of the two centermost cables.
- 5B. Slide a cable all the way into a threaded fitting. Attach the fitting to the cable with two crimps, half an inch apart, locating the first one half an inch from the open end. **TIP: Rotating the fitting and cable 180 degrees so that the crimps are placed on opposite sides will minimize the amount of distortion. Fittings are easily straightened by tapping lightly with a hammer.** (If installing on a stair run, do not attach the fitting until the cable has been threaded through the intermediate post(s) since bent fittings will not pass through angled holes. At this point, attach the fitting and go to Step 5D.)
- 5C. Feed the threaded end of the attached fitting through a full run of holes.
- 5D. Screw one 1/4” jam nut onto the fitting so that threads extend 1/8” past the nut. Screw an acorn nut on to the fitting and securely tighten it against the jam nut, locking it in place.
- 5E. At the other end of the cable, pull the cable taut and cut it 3/8” from the INSIDE face of the post at that end of the run. Attach a fitting as in Step 5B then feed it through the post.
- 5F. Screw one 1/4” jam nut onto fitting and tighten until slack is taken out of cable, taking care not to over tighten. **TIPS: 1.) Securing the fitting with vise grips at the inside face of the post during tensioning of the cable will prevent the fitting from rotating. 2.) Placing masking tape over the jaws of the vise grips will prevent marring the fitting. 3.) Applying a bit of anti-seizing compound to the exposed fitting threads will facilitate tensioning the cables.**
- 5G. Secure nut position by tightening an acorn nut against the jam nut.
- 5H. Repeat Steps 5B-5G, moving away from the initial cable, one cable at a time, alternating up and down, until installation is completed.

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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.