

It is the responsibility of the installer to meet all code and safety requirements, and to obtain all required building permits. The deck and railing installer should determine and implement appropriate installation techniques for each installation situation. Fortress Railing Products and its distributors shall not be held liable for improper or unsafe installations.

Read Instructions Completely Before Starting Installation

Note

When cutting Avant railing, it is very important to complete the following at cut points.

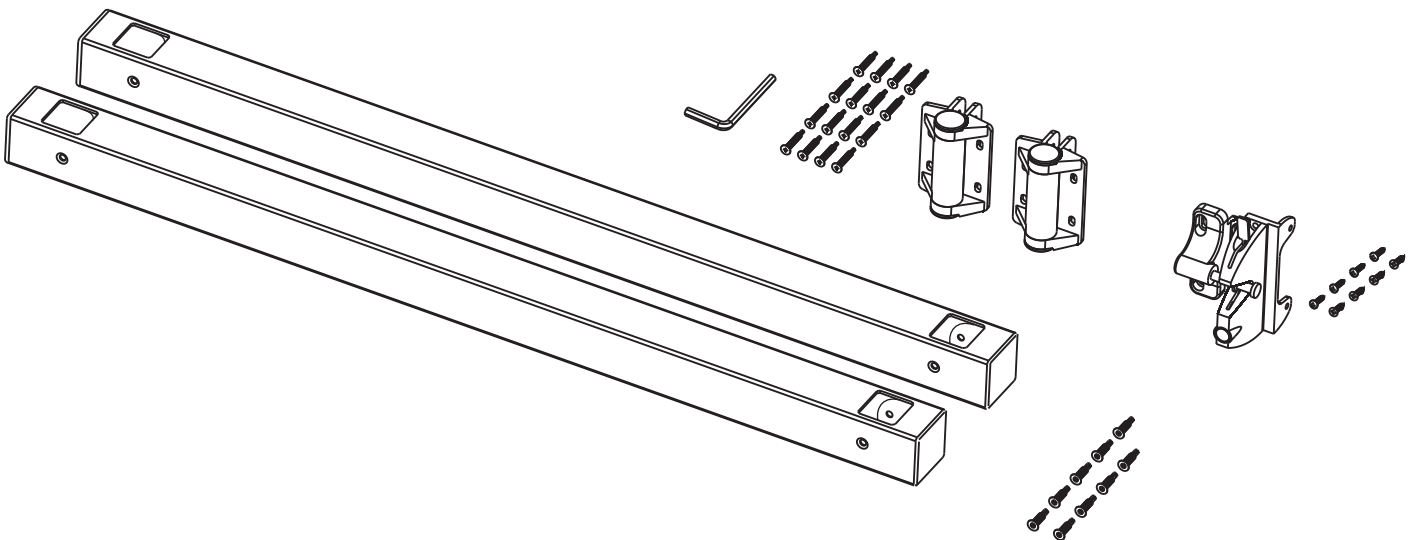
- Remove all metal shavings from the cut area.
- File any sharp edges left by cutting. Thoroughly wipe and remove any filings, grime or dirt from the railing.
- Apply two coats of Fortress zinc based touch-up paint to the cut area. If touch up is at rail ends, allow paint to dry before connecting bracket to post.
- Be sure to remove any metal shavings from the surface of deck, patio or balcony to prevent stains on the deck surface.

Required Materials

Miter saw with cut off blade or Metal Cutting Reciprocating Saw, Drill, Drill Bits, T-25 Driver Bit, Philips Head Driver Bit, Phillips Head Screw Driver, Tape Measure, Rubber Mallet, Speed Square, Pencil and Touch Up Paint

Avant Gate Kits Components

- 2 - Avant Gate Uprights
- 2 - Hinges
- 1 - Latch
- 1 - 1/4" Allen Wrench
- 16 - 1-1/4" Phillips Flat Head Self Drilling Screws
- 9 - 1" T-25 Flat Head Self Drilling Screws
- 4 - 3/4" Phillips Flat Head Screws
- 4 - 3/4" Phillips Pan Head Screws

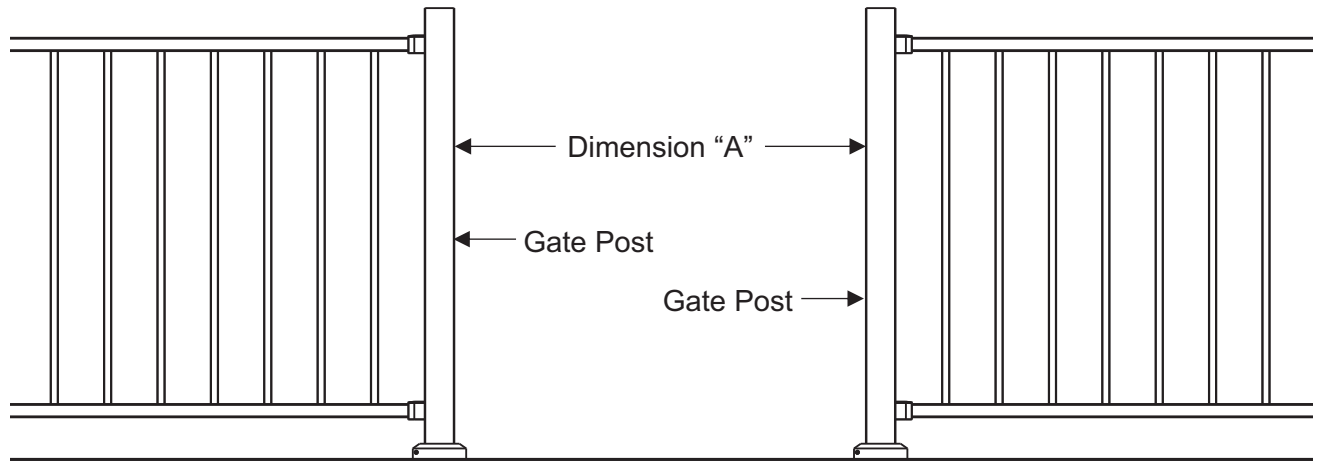


Determine Gate Width

- After gate posts are installed, measure the distance between the posts (Dimension A).
- Subtract 1" from Dimension A; this will be the finished length of your Avant Panel.

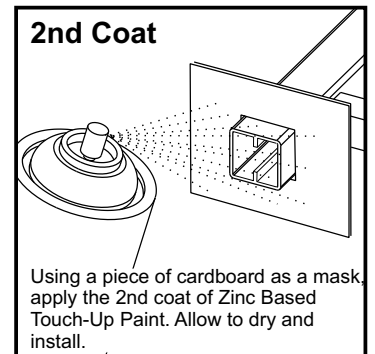
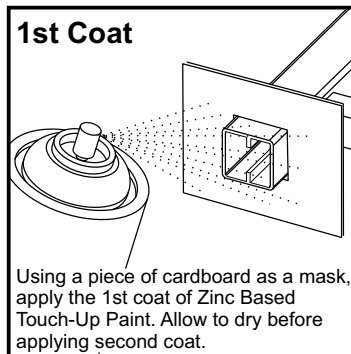
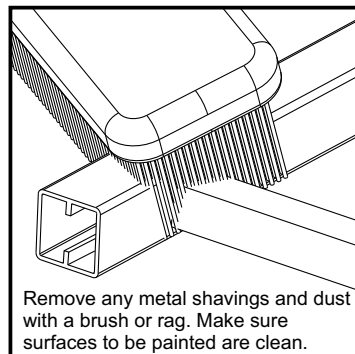
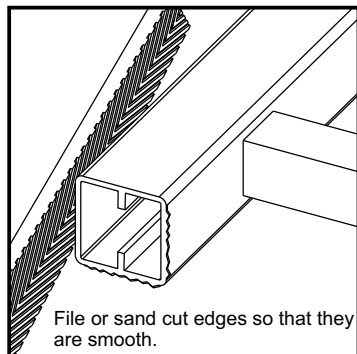
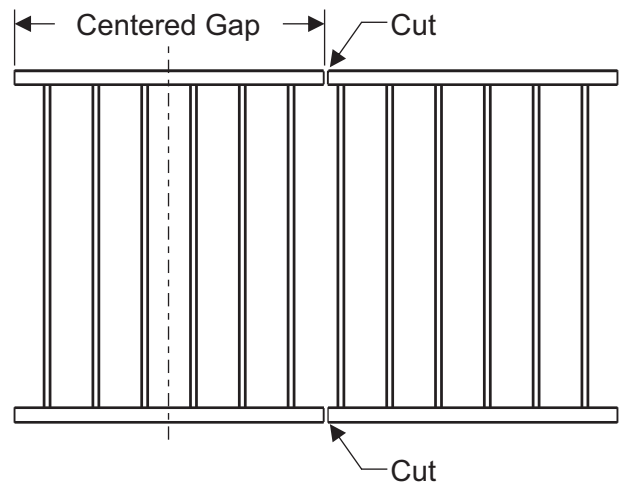
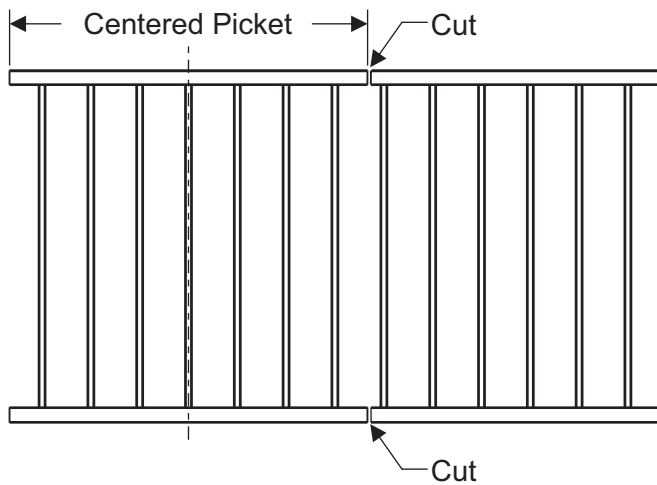
(Dim A) (Cut Panel Width)

Example 34" - 1" = 33"



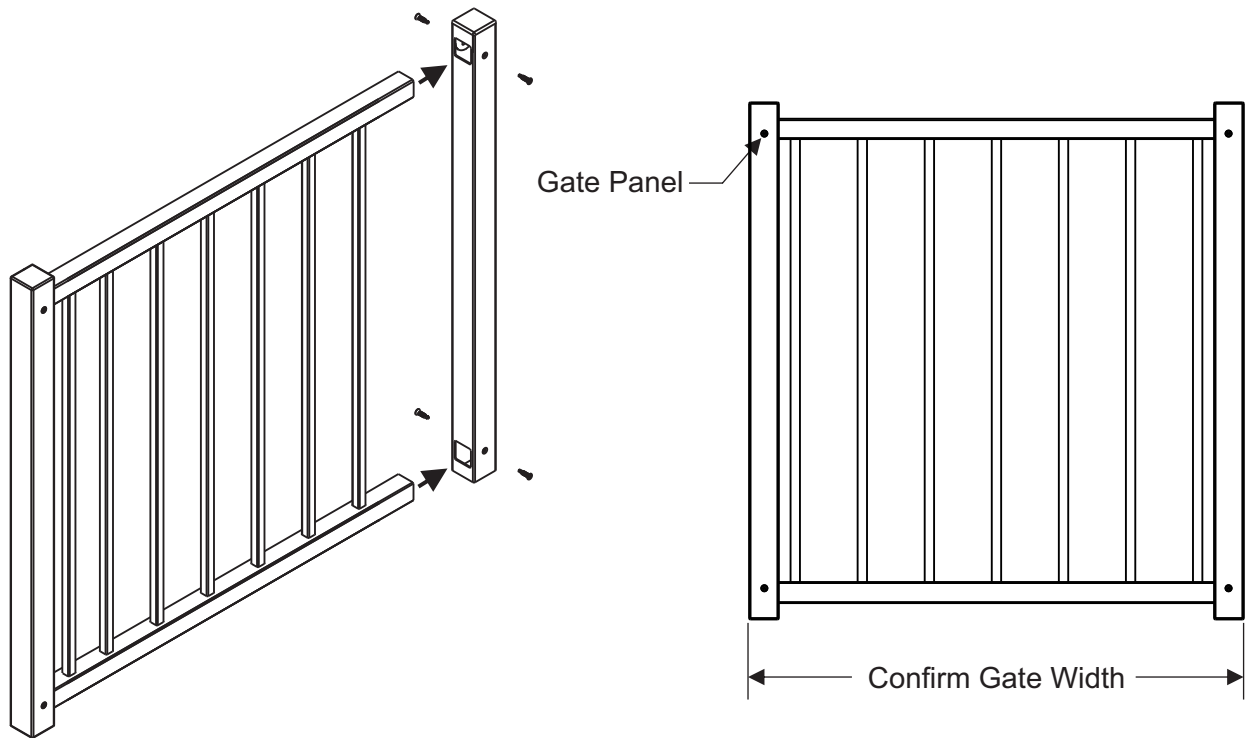
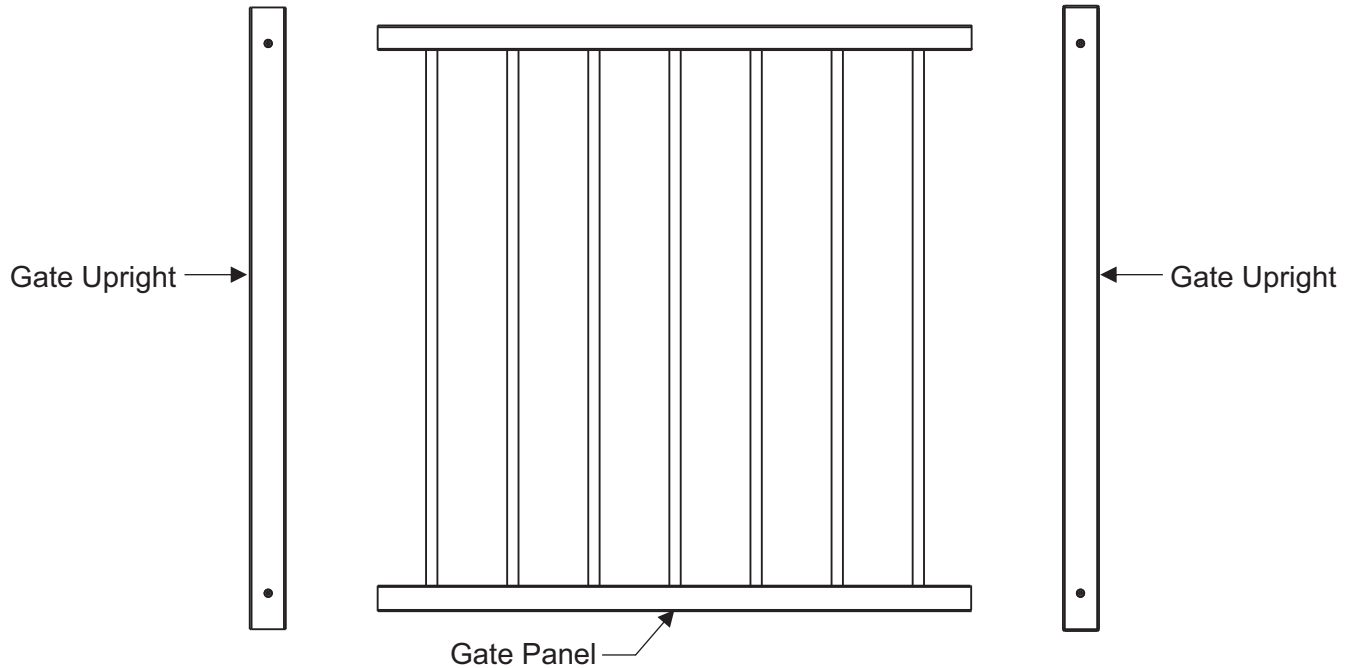
Cut Avant Panel To Length

- Mark the measured distance on the panel in such a way that either a picket or a gap is centered.
- In some instances, the picket will interfere with the upright and the end cut will need to be adjusted to allow the proper fit.
- File cuts to remove burrs and paint any raw metal with Fortress Paint.



Gate Panel Assembly

- Install one end of the Gate Panel Rails into the first Gate Upright holes.
- If needed, use a rubber mallet to fully seat the Gate Panel Rails into the Gate Upright.
- Use a rubber mallet to fully seat Upright Caps in the Gate Upright.
- Repeat above steps to install the second Gate Upright to the Gate Panel.
- Confirm that assembled gate width is correct.
- At the pre-drilled hole locations in Gate Uprights, use the supplied 1" T-25 Flat Head Self Drilling Screws to secure Gate Uprights to Gate Panel. Each Gate Upright requires 4 screws.



Install Gate Hinge and Gate Latch

- Follow the installation instructions provided with the gate hinges and gate latch.
- Gate should be positioned to the outside surface of post when gate is closed.
- Upper hinge should be installed 6" below the top rail.
- Lower hinge should be installed 6" above the bottom rail.
- Install gate latch at desired height.

