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Standard Railing Installation Instructions

v022403r

MOUNTING SURFACE PREP



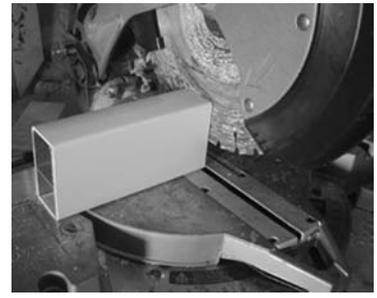
Steps 1-2

INSTALL BOTTOM RAIL MOUNTS



Steps 3-4

TRIMMING RAILS



Step 5

INSTALLING BOTTOM RAIL



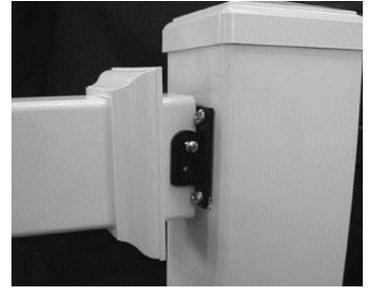
Step 6-7

INSTALL TOP RAIL MOUNTS



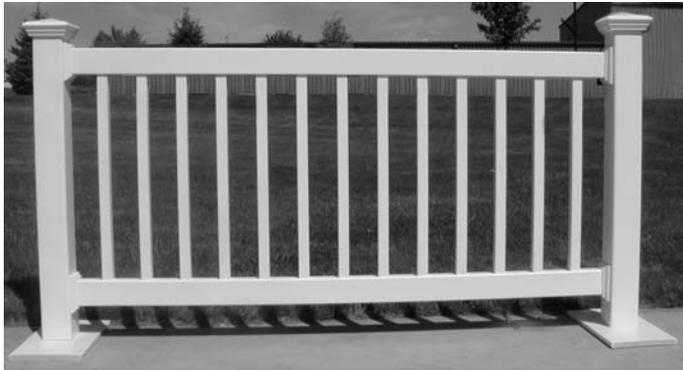
Step 9

INSTALLING TOP RAIL



Step 11

FINISHED LOOK



STANDARD SQUARE SHOWN

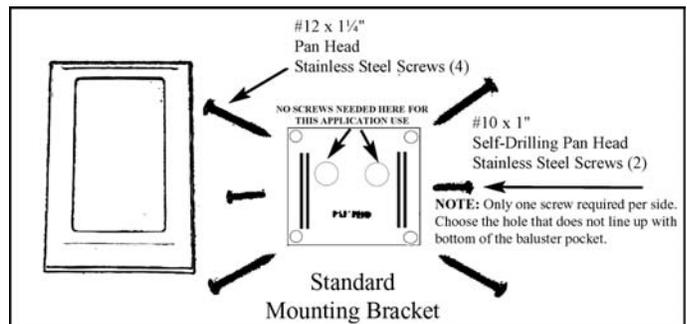


A - #10 x 1" Self-Drilling Pan Head (8)

B - #12 x 1 1/4" Pan Head for Standard Railing (16)

RAIL KIT SCREWS
(actual size)

ALL STAINLESS STEEL SCREWS REQUIRE A #2 SQUARE DRIVE BIT





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- Step 1** Check all local building codes for design load requirements for railing applications. Our products meet or exceed ASTM F964-94 and also requirements of the Boca Building Code Section 1615.8, pertaining to railing. Always use safety equipment when installing our maintenance-free railing.
- Step 2** Install and prepare all mounting surfaces and posts to which your new maintenance-free railing will be installed. We suggest covering wood posts with our matching-color vinyl post sleeves or wraps. Finish with one of our many styles of post caps and base trim rings.
- Step 3** Determine the level placement of the bottom rail making sure that there is no greater than a 4" space from the bottom of the rail to the standing level surface. At this point mark the mounting surface using a pencil.
- Step 4** Measure the opening at the location where the lower rail is to be installed.
- Step 5** When trimming rails for installation, cut an even amount from each side. Make rails 3/8" (3/16" on both ends) smaller than the opening size using a power miter box or a hacksaw. The aluminum insert and your vinyl rail should be the same size. You can cut both (aluminum and vinyl) at one time or individually. If you need to re-install the aluminum channel, make sure the deep side of the aluminum channel is toward the baluster holes. This will become your baluster pocket.
- Step 6** Install bottom rail first. Place the first mounting bracket on the post that you previously marked in step 3 and fasten accordingly. Now fasten the second bracket into place. Slide trim rings (one on each side) onto the pre-cut rail. The flat surface of the trim ring should face the end of the rail.
- Step 7** Slide the bottom rail into place making sure the rail is plumb and square. Using the self-tapping screws provided, screw through the holes provided on the brackets into the aluminum sleeved rails. Only one screw per side is needed. Make sure you chose a hole that does not hit the bottom of the baluster pocket. Snap trim rings into place.
- Step 8** If needed, cut each baluster to the desired height using a hacksaw or power miter box. With the bottom rail fastened into place, put a baluster into each baluster hole in the bottom rail.
- Step 9** Establish the height of the top rail. Add an additional 1/8" to 1/4" to the established height of the top rail to allow for any expansion of the balusters.
- Step 10** Install the top rail bracket mounts at the pre-determined height on your posts. Remember to make sure your marks are accurate. This will allow for your new railing to be mounted plumb and square.
- Step 11** Beginning on one side, insert the top of each baluster into the corresponding top rail baluster hole. Working your way across the rail to the other end. Position the top mounting brackets onto the previously marked areas making sure the railing is plumb and square. Now fasten the rail. (See step 7.)
- Step 12** Snap the top trim rings into place. Your job is now complete. Should your railing have any loose dirt on it from the installation, hose it off. To remove stubborn dirt use soap and a soft cloth. For stubborn stains or scuffs use Simple Green all-purpose cleaner.