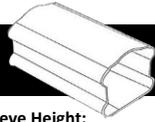


# Majestic Rail



## Step-By-Step Instructions for Installing Your Pro-Z Railing System

**Height Note.** Before installing posts and post sleeves; determine undercut height desired. Undercut = height distance between the deck surface and the bottom side of the bottom rail. This rail kit is designed for a 2" Undercut.

MA building code allows up to a maximum undercut of 4-3/8".

**Important:** Check with local building codes before proceeding.

Increasing undercut height will equally increase top rail height due to spindle length, unless spindles are cut down in height.

**Note.** This railing system can be installed as a Guard on a handicap ramp when installed at a (max) 5° angle using the Z-Wedge Adaptors. See next page.

### Post & Sleeve Height:

36" tall kit with 2" undercut

Requires minimum 38" Post Height.

36" tall kit with 3-1/2" undercut

Requires minimum 40" Post Height.

36" tall kit with 4-3/8" undercut

Requires minimum 42" Post Height.

42" tall kit with 2" undercut

Requires minimum 44" Post Height.

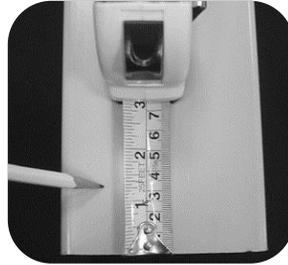
42" tall kit with 3-1/2" undercut

Requires minimum 46" Post Height.

42" tall kit with 4-3/8" undercut

Requires minimum 48" Post Height.

**Note:** To increase undercut height over 2" and maintain 36" top rail height, cutting down of the spindles is required.



**Bottom Bracket Placement:** Before sleeving posts, mark bottom bracket position by measuring from bottom of post sleeve.

1-3/8" = 2" undercut

2-7/8" = 3-1/2" undercut

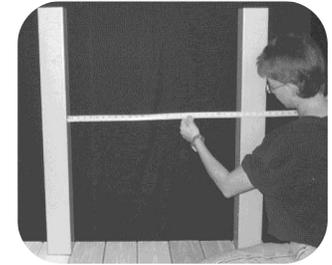
3-3/4" = 4-3/8" undercut

**Length Note.** This railing system's length is pre-cut to fit between two 4"x4" posts with an on-center measurement equal to rail kit length. Example: 72" rail kit actually measures 67-3/4" in length. Before proceeding, make sure the kit you purchased is long enough to fit inside your posts.

**Cutting:** For shorter on center dimensions, this rail system may be cut to accommodate correct length. Measure distance between SLEEVED posts. When cutting rail to fit; deduct an additional 1/4" for bracket clearance. NOTE: Keep the spindle spacing between the first spindle hole and post equal on both ends of rail.

**Cutting Note:** This rail kit's bottom rail may have a pre-routed hole for the center foot block support. See step 6. Before cutting rails to length, determine if this pre-routed hole is present or not. If present and cutting of rail length is required, you must cut rail from both ends to maintain center location of foot block support.

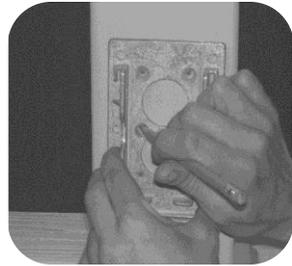
Example: If 8" needs to be cut from rail to fit in-between your posts; divide 8" by 2=4". Cut 4" from both ends of rail to maintain rail symmetry. Note: Cut the top rail exactly as the bottom rail to keep spindle holes aligned between top and bottom rail.



**Step 1:** Slide on post sleeves. Measure distance between sleeved posts, if needed; make any adjustments to rail length. See cutting notes. If installing custom pre-assembled railing sections, no adjustments are necessary.



**Step 2:** Before beginning, make sure all posts are plumb. If using post base trim, be sure to install prior to railing installation.

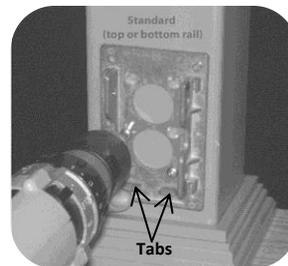


**Step 3:** Place bottom edge of bracket base plate on line marked earlier. Center on post, using as a template, mark the 6 inside screw holes onto the post.

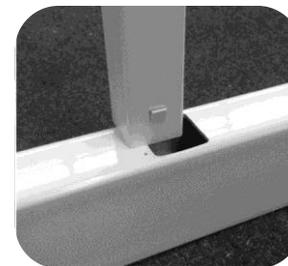
**Important:** If mounting to sleeved adjustable post mount, use 6 outside holes along the perimeter of bracket.



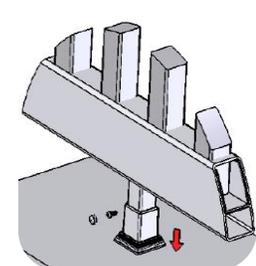
**Step 4:** Pre-drill marked holes for easier application using 1/8" drill bit.



**Step 5:** Attach bottom bracket base plate to post using (6) 2" stainless steel screws(provided) per bracket. Bracket tabs need to be towards bottom of base plate when installed.



**Step 6: Option 1.** Routed Foot Block. Cut 6" square foot spindle down to 1-5/8" longer than desired undercut. Not required on kits less than 48" long. Newer kits will not have hole pre-routed. Cut a 1-1/2"x1-1/2" hole in center of underside of bottom rail. Note: Rails longer than 8' in length require 2 foot blocks.



**Step 6: Option 2.** Adjustable Foot Block. See separate instruction sheet included. Attaches to underside of bottom rail. Extendable from 2" up to max height of 3-1/2". If taller undercut is desired, use Option 1, routed foot block.



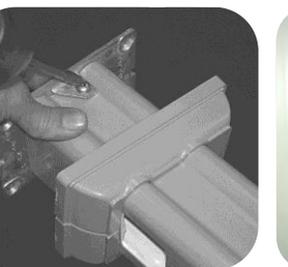
**Step 7:** Slide bracket covers onto both ends of bottom rail. Place bottom rail onto bracket plates making sure rail rests firmly on the two tabs that protrude from the bottom of the bracket base plate.



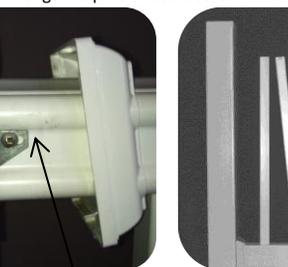
**Step 8:** Pre-drill and secure rail to brackets using (4) 1" stainless steel screws(provided) per bracket. **Important:** Skipping this step will void warranty. Slide bracket covers onto the bracket base plate and press firmly into place. Tap with rubber mallet.



**Step 9:** Slide bracket covers onto the bracket base plate and press firmly into place. Or tap into place with rubber mallet.



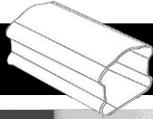
**Step 10:** Slide bracket covers onto both ends of top rail! Then insert bracket base plate into each end of top rail and secure plate to sides of rail using (2) 1" stainless steel screws(provided). Majestic rail must rest on level section of bracket protrusion as shown above for bracket cover to fit properly.



**Step 11:** Starting at one end, begin inserting spindles into holes in bottom rail.

Installation Instructions Continued on Other side of sheet.

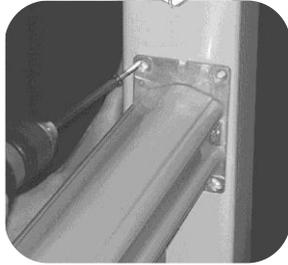
# Majestic Rail



## Step-By-Step Instructions for Installing Your Pro-Z Railing System



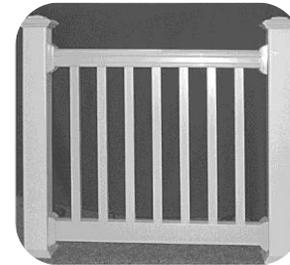
**Step 12:** With bracket covers on rail and spindles installed in bottom rail, place top rail into position by feeding rail down onto spindles.



**Step 13:** With top rail resting on spindles, raise top rail  $\frac{1}{4}$ ", or to desired height, allowing the spindles to float. Check local building codes for correct rail height requirements. Center bracket base plate onto post and secure to post using (4) 2" stainless steel screws (provided) per bracket.



**Step 14:** Majestic bracket covers are split on the bottom. To attach bracket cover to base plate, spread bottom of bracket cover and lift entire bracket cover about  $\frac{1}{4}$ " while sliding bracket cover towards base plate. Once upper section of bracket cover is touching post, lower bracket cover  $\frac{1}{4}$ " onto base plate. The majestic bracket covers have tabs that must click onto the edges of the base plate. Once top section of bracket cover is in position, the sides and bottom of the bracket cover should wrap around the bracket base plate and snap into place. This step will be difficult if rail is not seated in bracket base plate correctly. See step 10.



**Success:** Your Pro-Z Railing is now complete. To keep your railing clean, simply spray it down with an ordinary garden hose and mild soap. See cleaning instructions included.

### Additional accessories sold separately.



**45° Adaptor:** Used to attach Pro-Z railing brackets at a 45° horizontal angle to Post. Deduct an additional  $\frac{3}{8}$ " per side from rail in step 1.



**22.5° Adaptor:** Used to attach Pro-Z railing brackets at a 22.5° horizontal angle to Post. Deduct an additional  $\frac{3}{8}$ " per side from rail in step 1.



**8" Column Adaptor:** Used to attach Pro-Z railing bracket onto an 8" round column. Deduct an additional  $\frac{1}{4}$ " per side from rail in step 1.

### Notes on Adaptors:

4" or longer stainless steel screws are required when using the 45° or 22.5° adaptors (sold separately)

Longer screws required with 8" column adaptor if being used along with Z-Wedge.

### Needed for Handicap Ramp Install



**Z-Wedge 5° Adaptor:** This piece installs in-between the bracket base plates and post, shifting the rail brackets into a 5° position. This keeps the top and bottom rails at a 90° angle to their bracket base plates, allowing the bracket cover to install correctly.

Note: The bracket covers will not install properly unless the rail is completely level to the base plate orientation. See step 9.