CITYPOST

SIMPLE · AFFORDABLE

RAILING INSTALLATION GUIDE

Not only is the CityPost system simple to order, it's also extremely simple to install. Our goal in the next few pages is to give you our list of best practices and tips that we've developed for installing the CityPost cable railing system to ensure that the end result is one that you can't wait to show off.

Disclaimer: before installing CityPost cable railing please be sure to check with your local building department to ensure all applicable code requirements are met.

CITYPOST CABLE RAILING INSTALLS IN 3 EASY STEPS

1: LAYOUT AND INSTALL POSTS
2: LAYOUT & INSTALL TOP RAIL
3: INSTALL AND TIGHTEN CABLES

For more information please visit **www.citypost.com/installation** for our full tutorial library on how to install specific aspects of the system.

Scan this QR code with your smart phone camera to pull up a digital copy of these instructions.

TOOLS NEEDED

- Powered Drill.
- T-25 bit
- Miter Saw.
- CityPost cable cutter and swaging tool.
- Tape Measure.
- 2ft level.
- Blue painters tape.
- Vice grip and 11mm socket for tensioning cable.
- 1/8th" drill bit.
- If your kit included 3" lags you'll need a 1/4th" drill bit and a 9/16th" socket.
- If you received 4.5" lags you'll need a 3/8th" by 5” long drill bit and a 3/4th"socket.
- For concrete you will need a hammer drill (usually available for rent if you do not own one).
- For 3" lags you'll need 7/16th" socket and 1/4th" concrete drill.
- For 4" or 5" lags you'll need 9/16th" socket and 3/8th" concrete drill bit.

HERE ARE THE COMPONENTS THAT ARE INCLUDED WITH YOUR ORDER

POST FASTENERS:

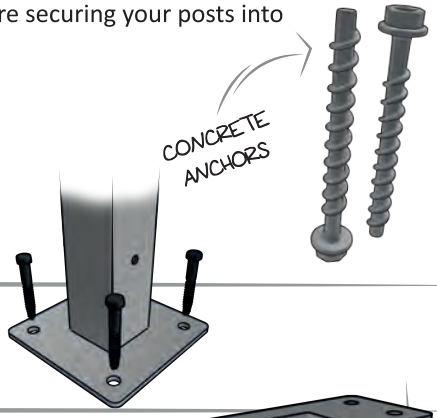
CityPost ships out post fasteners based on the type of material you are securing your posts into

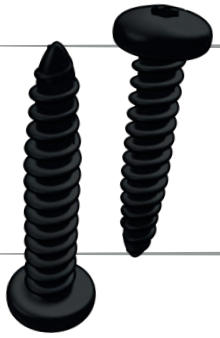
WOOD INSTALLATION:

3” or 4.5” Lag Bolts – depending on post type.

CONCRETE INSTALLATION:

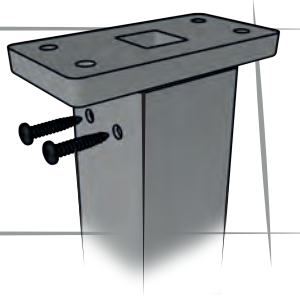
3”, 4“ or 5” TITAN CONCRETE ANCHORS depending on post type.





BRACKET SCREWS

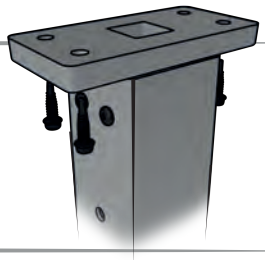
(1) Top rail bracket & (2) bracket mounting screws are shipped for every post in your kit.



TOP RAIL SCREWS

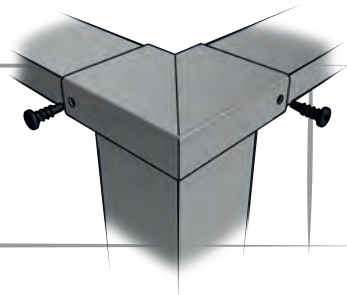
If you received top rail from CityPost you will have received (4) 1” #12 self-tapping sheet metal screws per post for installation (the top rail bracket has 4 points of connection).

You will need to purchase top rail screws if you did not purchase CityPost top rail.

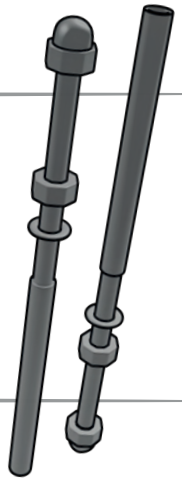


SLEEVE SCREWS:

Each of your CityPost transition sleeves which are used to hide miter cuts and strengthen the corners were shipped with (4) ½” #12 self-tapping sheet metal screws for installation.



CABLE END-FITTINGS

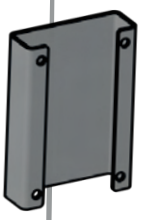


(22) For every run of 36” railing
(26) For every run of 42” railing
There are (11) cables holes in a 36” post and (13) holes in a 42” post so we make sure that you have plenty of materials to start and stop your railing at the beginning and end of every run. All cable end-fittings are manufactured out of marine grade 316 stainless steel. EXAMPLE: if your project has (5) individual runs of railing you will have received (5) bags of fittings for a total of 110.

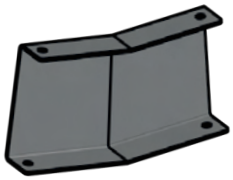
SLEEVE TYPES

HORIZONTAL

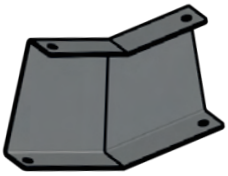
Straight



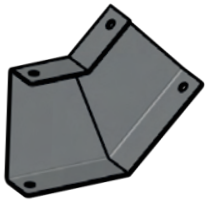
11.25 Deg



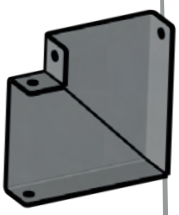
22.5 Deg



45 Deg

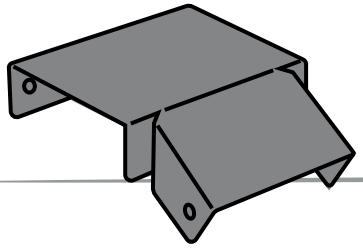


90 Deg

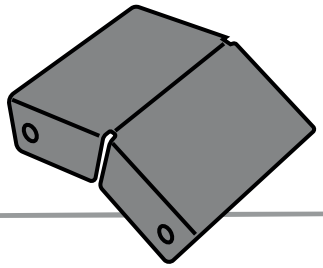


STAIR

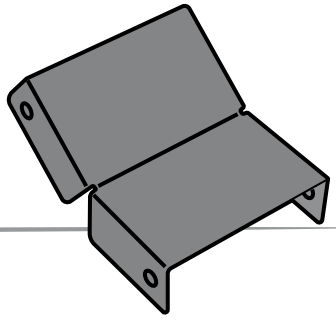
Horizontal to stair 90 deg



Upper

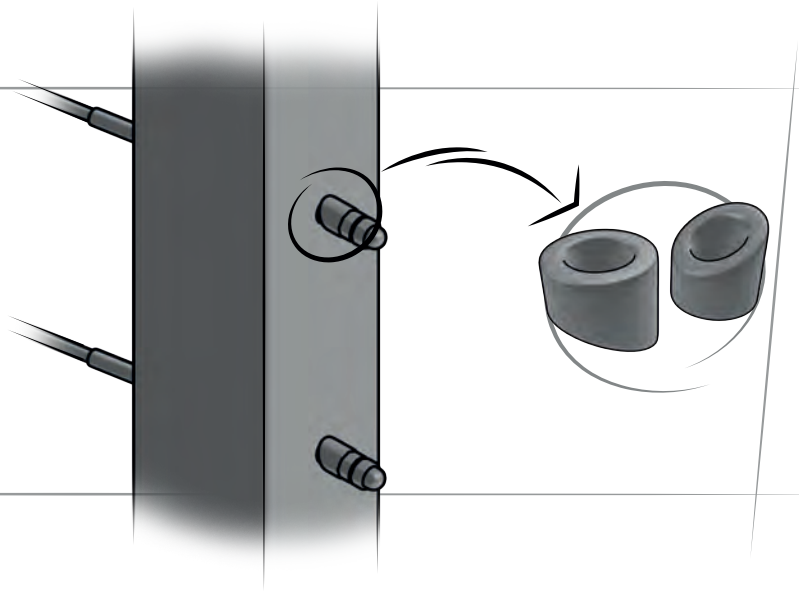


Lower



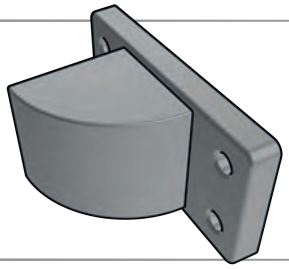
BEVELED WASHERS
(FOR STAIRS ONLY)

Beveled washers are used to hold the cable fittings on stair runs at the proper angle to ensure your cable maintains the desired straight line going down the stairs. These beveled washers are shipped in bags of (22) for 36” stair railing runs and bags of (26) for 42”stair railing runs. Just like the cable end-fittings, thebeveled washers are manufactured out of marine-grade 316 stainless steel.



END CAPS

End Caps are designed to plug the open end of your top rail. They are **not** meant to be installed where two top rails connect.

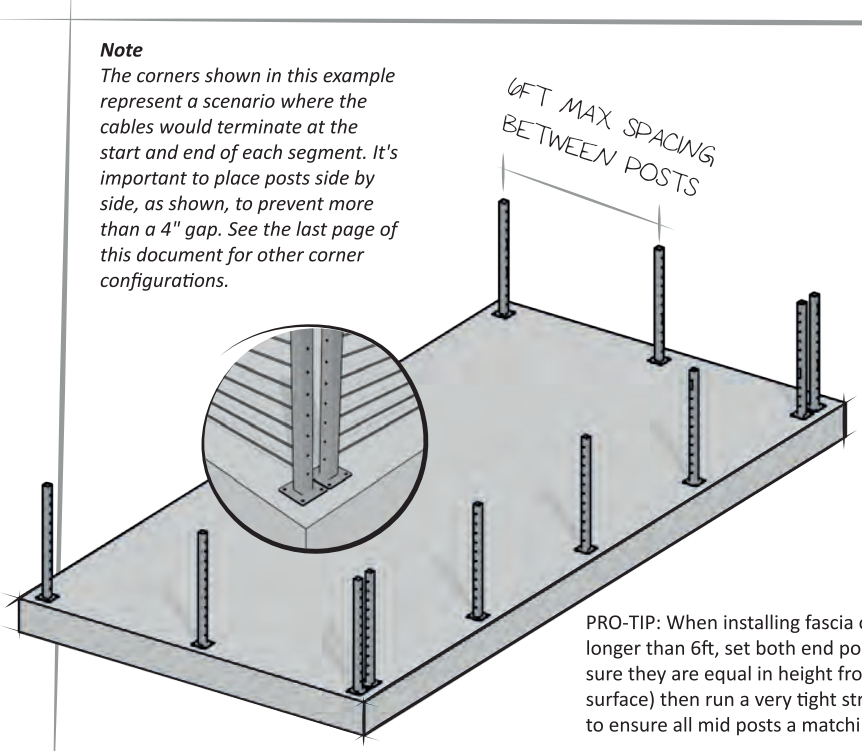


TOP RAIL BRACKETS

These are designed to connect posts to top rail. Their unique patented shape allows them to be used for horizontal or stair applications.

STEP 1: LAYOUT INSTALL POSTS (HORIZONTAL)

Note
The corners shown in this example represent a scenario where the cables would terminate at the start and end of each segment. It's important to place posts side by side, as shown, to prevent more than a 4" gap. See the last page of this document for other corner configurations.

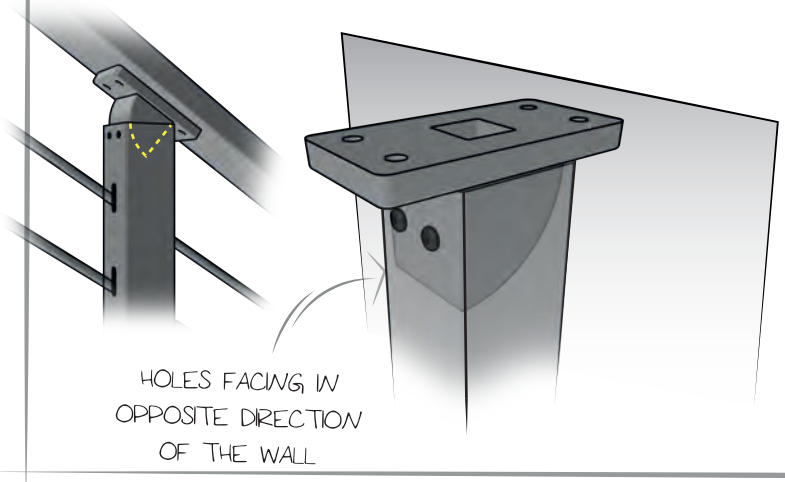


PRO-TIP: Secure proper blocking for full penetration of anchors and use Zinc or SS washers under the plate to level the post.

SECURED WITH 4X STRUCTURAL SCREWS OR CONCRETE ANCHORS

PRO-TIP: When installing fascia on segments longer than 6ft, set both end posts first (make sure they are equal in height from deck surface) then run a very tight string along the top to ensure all mid posts a matching heights.

The last step in the post installation process is to place the patented CityPost top rail bracket in the top of each post. Be sure that the flat side of the bracket is adjacent to the holes in the top of the post on horizontal runs. The bracket will be flipped for stairs, as shown below. But don't secure it to the post yet, that's the last step in the top rail process.

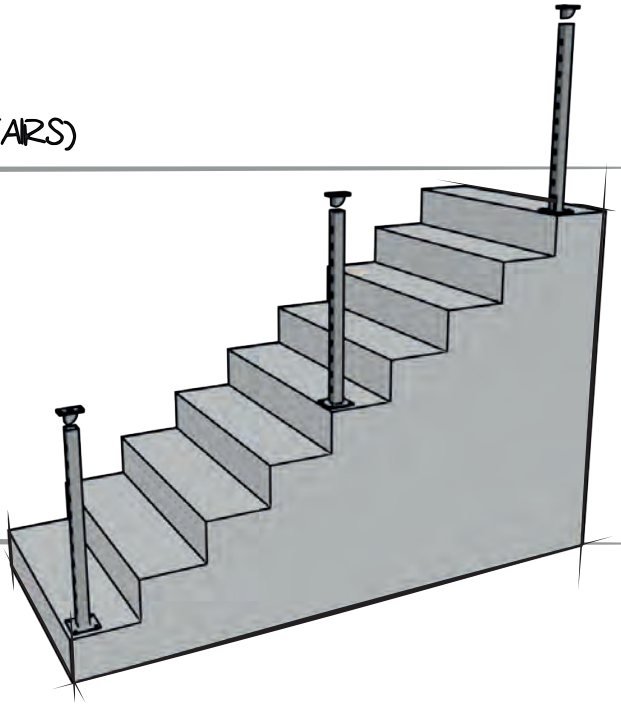


PRO-TIP: If the horizontal railing is terminating against a solid surface such as a wall or structural beam, make sure the (2) holes at the top of the post are pointed away from the surface.

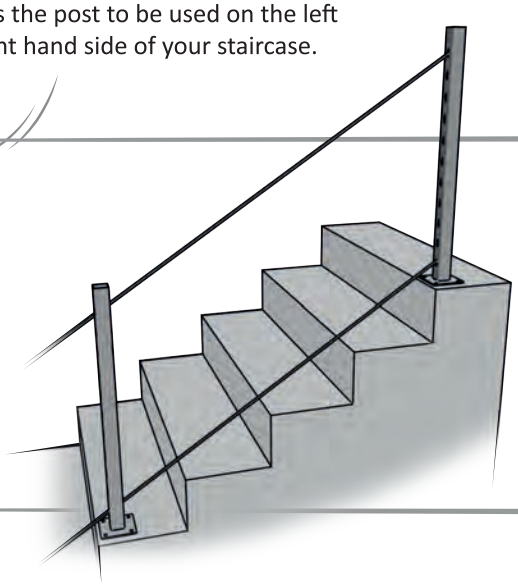
STEP 1: LAYOUT AND INSTALL POSTS (STAIRS)

Ensure posts are placed on the stair treads with a consistent spacing surface mount posts are designed to be place at the front of the tread, otherwise the treads will interfere with the bottom cable. (Example: each post is 1/2" from front edge of tread & 3" from right side of tread – please note each project will be unique).

Stair posts are directional, make sure the two bracket screw holes located at the top of the post are facing upward.



This is our fascia stair post. You'll notice this does not have a plate welded to it, this is by design and allows the post to be used on the left or right hand side of your staircase.



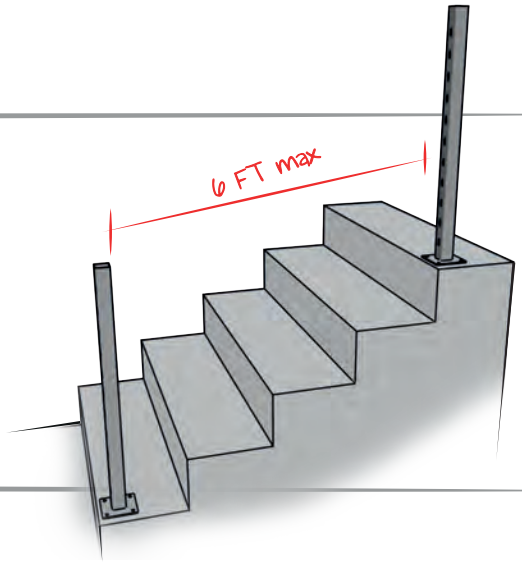
2. ENSURE PLACEMENT

To ensure that you've got the correct placement of the posts, run a string through the top and bottom cable holes of the posts.

3. VERIFY SPACING

Verify that your post spacing (center to center) meets any local area jurisdictions on placement (typically no greater than 6FT).

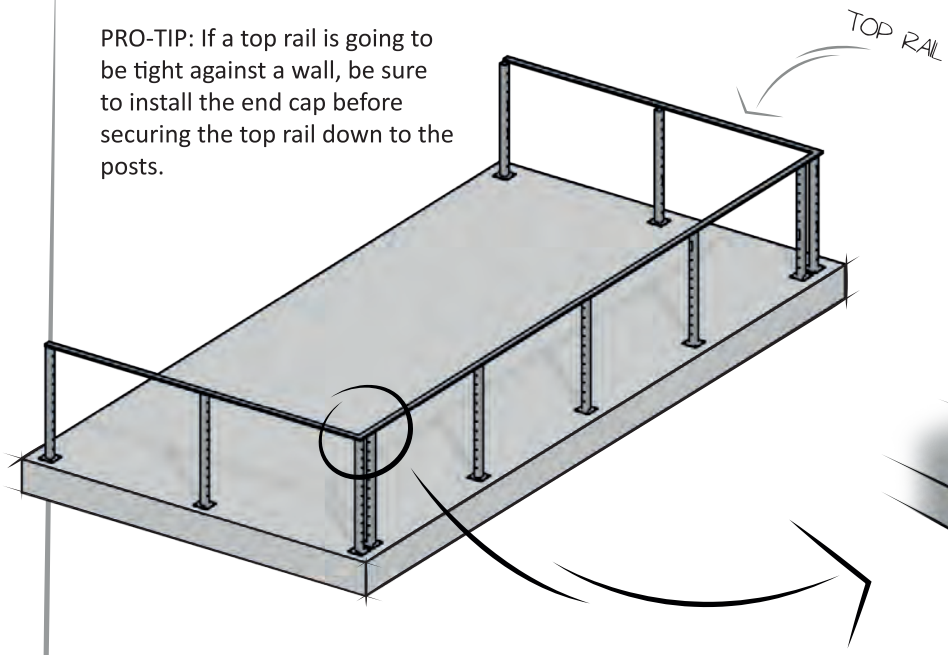
Mark and drill pilot holes through the mounting plates into the decking.



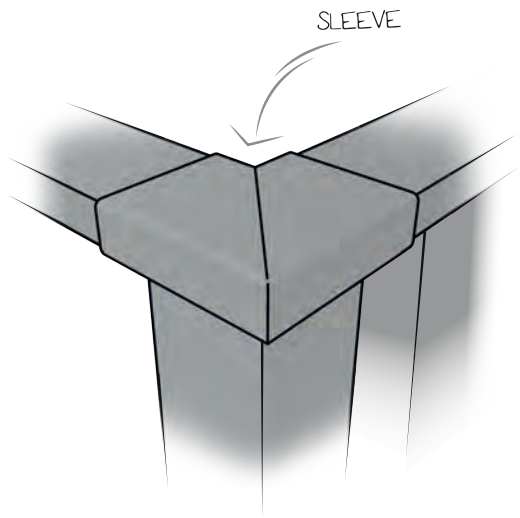
STEP 1 COMPLETE !

STEP 2: LAYOUT INSTALL TOP RAIL

PRO-TIP: If a top rail is going to be tight against a wall, be sure to install the end cap before securing the top rail down to the posts.



PRO-TIP: Use painters tape to protect the finish when making your cuts on the top rail. For small projects a sharp wood cutting blade on your miter saw will work fine, for large jobs we recommend buying a non-ferrous metal cutting blade for your miter saw.

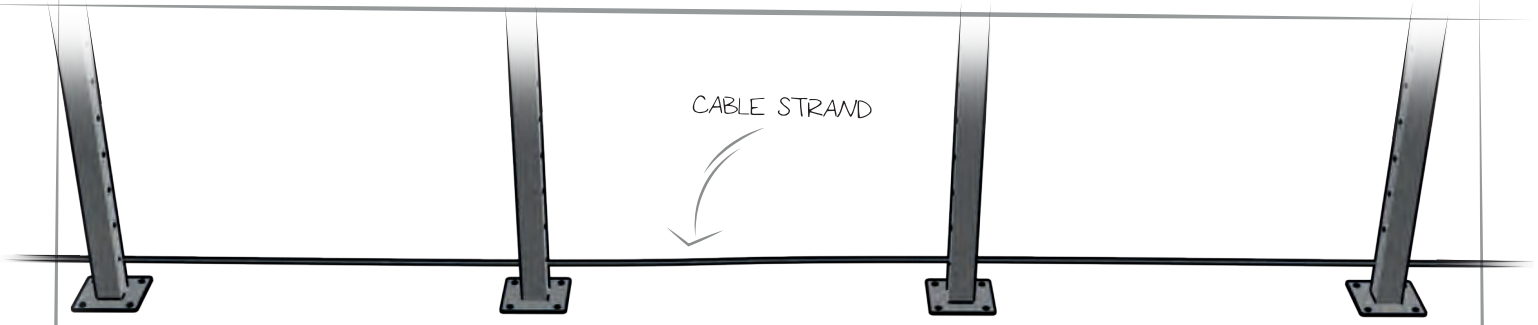


TOP RAIL COMES IN 6FT PIECES, INSTALL A STRAIGHT TOP RAIL SLEEVE OVER EACH POST, EXCEPT END POSTS.
Be sure to install all bracket, sleeve and top rail screws before you begin installing cable.

CityPost has a 6ft max span between posts and we ship top rail in 6ft lengths. If your post spacing ends up being shorter, such as a 10ft segment, it will have 3 posts equaling 5ft post spacing. You will take your 6ft top rail and cut it down to 5ft, allowing the straight sleeve to land centered on the post, adding strength and symmetry.

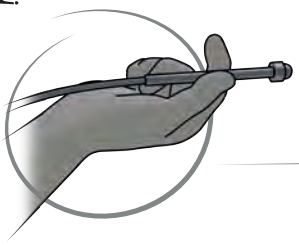
STEP 2 COMPLETE !

STEP 3: INSTALL AND TIGHTEN CABLES



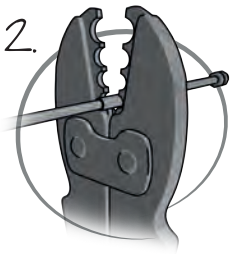
PRO-TIP: If you place the spool of cable inside a 5-gallon bucket this will help to control the cable while you're working.

1.



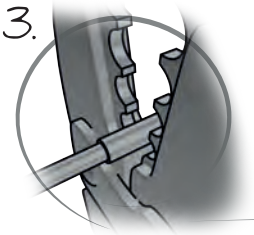
Starting at a post on one end of a segment, run a cable through to the last post (as shown above). Slide the cable that you just ran through your mid posts completely into the end-fitting.

2.



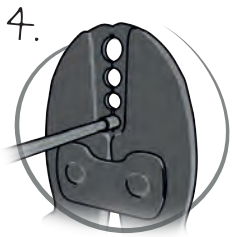
Open the hand crimping tool and place the end-fitting into the smallest crimping groove labeled 1/16 or 1-2.

3.



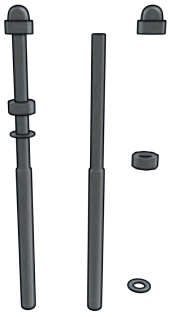
Place the crimper as close to the end (where the cable inserts into the end fitting) as possible. This will limit deformation of the end fitting.

4.



Bring the handles of the crimping tool together until the crimping head is closed.

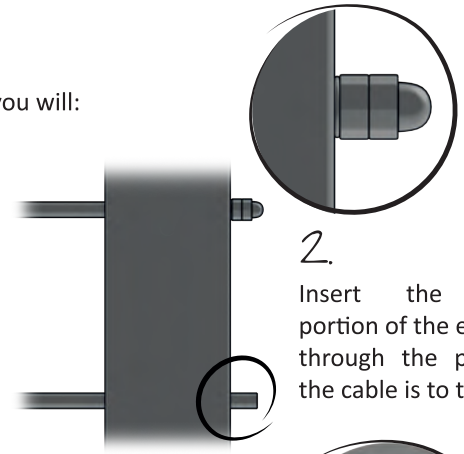
Once you have an end-fitting crimped onto the cable you will:



1.

Remove acorn nut, flat washer and tensioning nut from the end fitting.

Reminder: This is how they ship, but not how they are installed. Order of operation is as such - post, then washer, then nut, then acorn nut.



2.

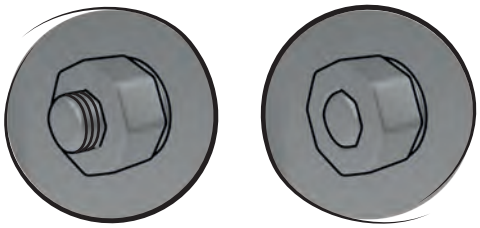
Insert the threaded portion of the end-fitting through the post where the cable is to terminate.

3.

Place the flat washer back onto the end fitting and thread on the tensioning nut:

A. For short runs (less than 10FT of railing thread on the tensioning nut leaving 2-4 threads exposed.

B. For long runs of railing thread on the tensioning nut leaving zero threads exposed.



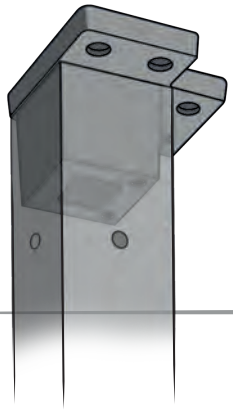
PRO-TIP: You may need to use an angle grinder with a metal cutting wheel to cut off excess threads. The acorn must be snug against the nut otherwise your cable will loosen over time!

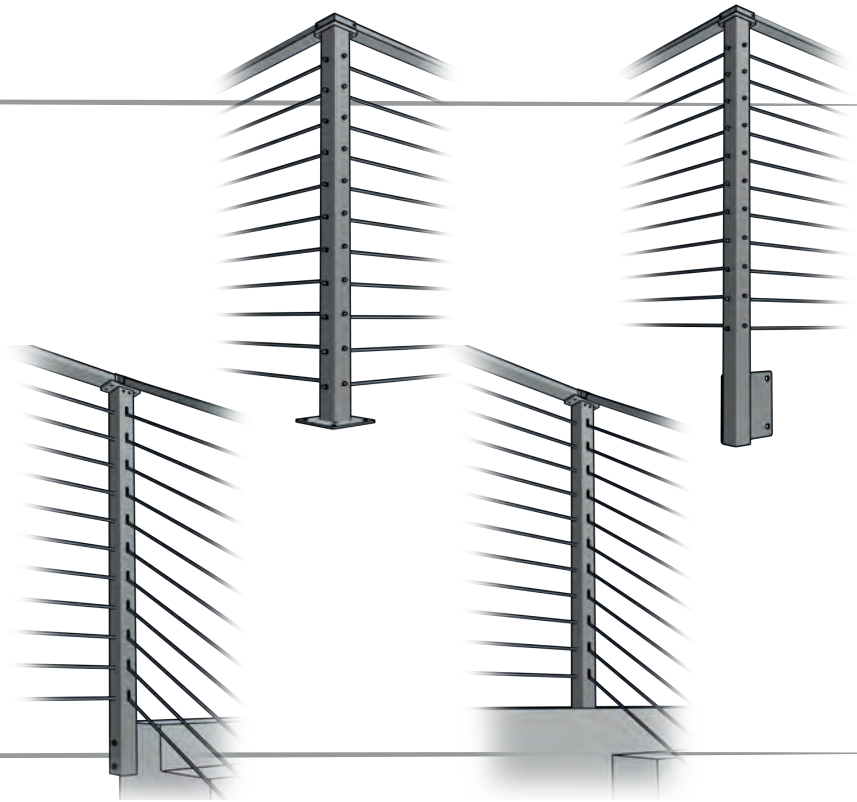
STEP 3 COMPLETE!

CORNERS

For single corner posts, both cables will terminate into a single post.

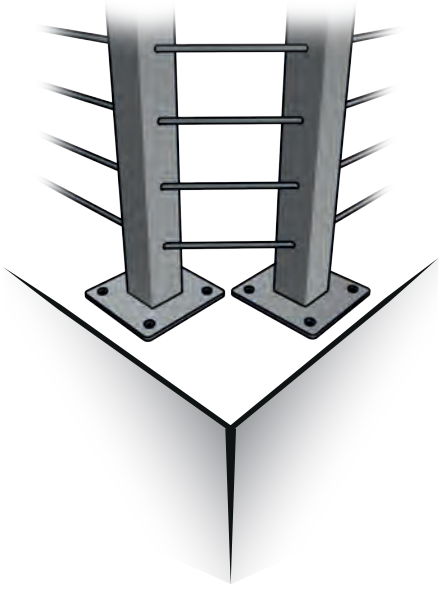
PRO-TIP: You will need to miter cut your top rail on horizontal to horizontal corner posts.

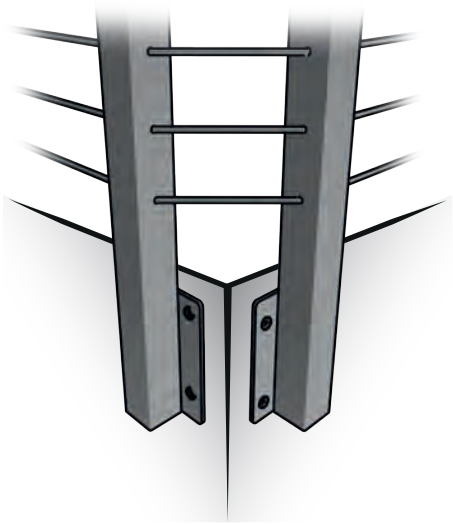




WRAPPING CABLE AROUND A CORNER

Wraping cable around a corner is made possible by installing posts at a corner so that the corners of the base plates are oriented like this:





If you wrap the cable around the corner, CityPost does not recommend making more than one 90 deg or two 45 deg changes of direction with a single strand of cable as it makes achieving cable tension difficult.

Have a photo of your project you'd like to submit for a chance to win a $500 gift card?
CityPost runs a photo competition once per quarter. Use this QR Code and follow the promts!