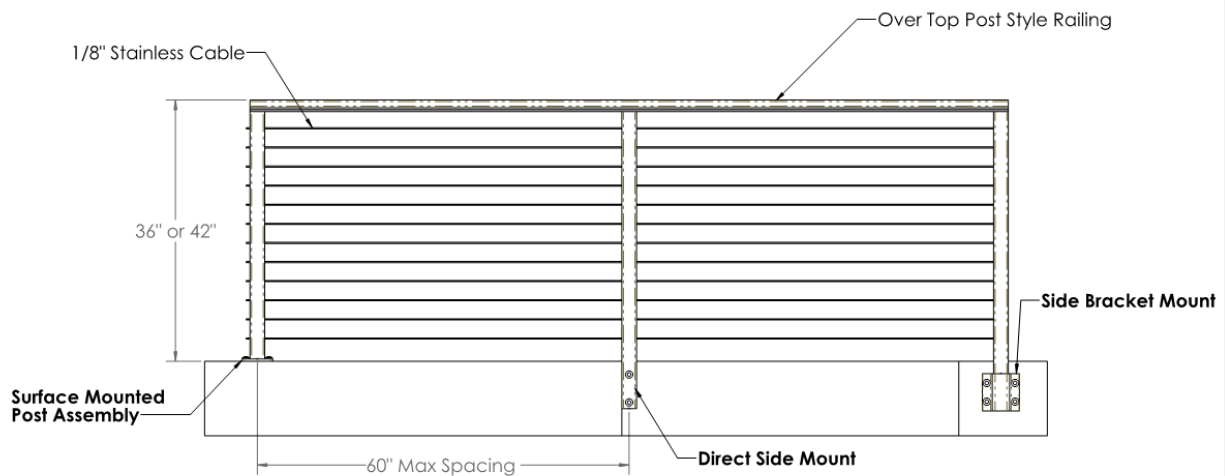


Tacoma Railing - Cable Railing Guide

Tools for Install

- ✓ Angle Finder
- ✓ Cut Off Wheel
- ✓ Cable Release Key
- ✓ Drill
- ✓ Impact Drill
- ✓ Level
- ✓ Masking Tape
- ✓ Power Miter Saw
- ✓ Razor Knife
- ✓ Roto Hammer with 3/8" concrete drill bit
- ✓ Safety Wear
- ✓ String/Laser
- ✓ Tape Measure
- ✓ Vice Grips / Cable Pliers
- ✓ 3/8" Drill Bit
- ✓ 9/16" Socket with adapter (Impact Drill Attachment)
- ✓ # 2 Phillips Bit
- ✓ # 2 Square Drive Bit

Tacoma Railing - Cable Railing System Mounting Styles



DATE: Monday, June 6, 2022 11:12:40 AM
REV
Sample
DRAWING NAME:
Mounting Styles
DRAWN BY: Example SHEET 1 OF 4

Tacoma Railing
939 East F Street
Tacoma, WA 98421
Phone: 253-593-4710
E-Mail: Sales@tacomarailing.com



Notes:

1. Cable comes in 1/8" and 3/16"
2. Max Spacing between Cable is 4"

1. Set Post (For Install of Surface Post Assembly refer to How to video)
 - Mounting style is dependent on users deck/surface needs and personal choice.**
 - a. Surface Mount
 - b. Bracket Side Mount
 - c. Mount Post Directly to Side of Deck. (Desk/stair side must be flush to utilized this option)

** When picking your railing system, it could use more than one of the above mounting configurations depending on design intent. Please reference you're drawing to familiarize yourself with the mounting configurations that will be used in your job.

Diagram of Surface Mount:

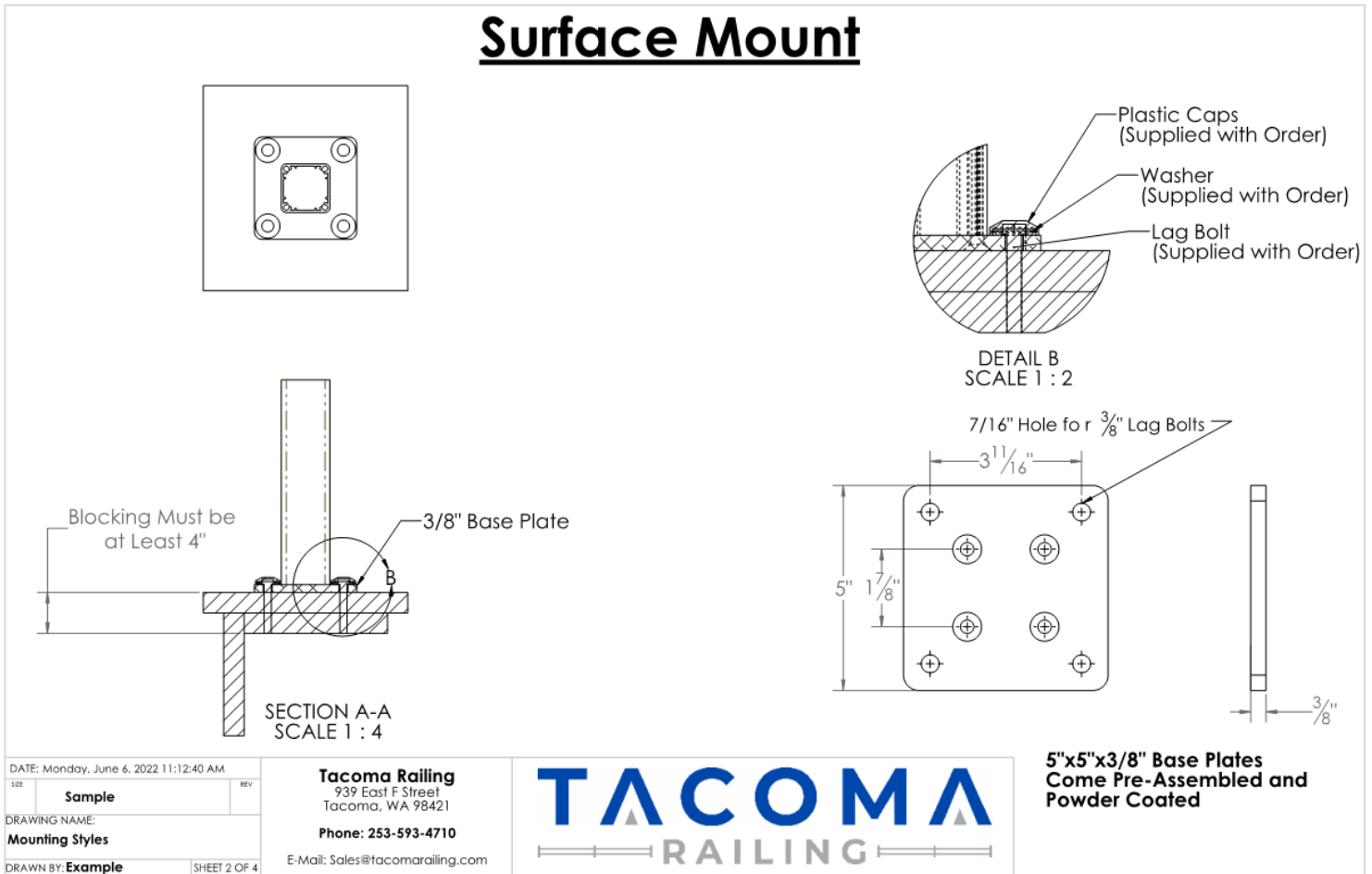


Diagram of Direct to Side Mount

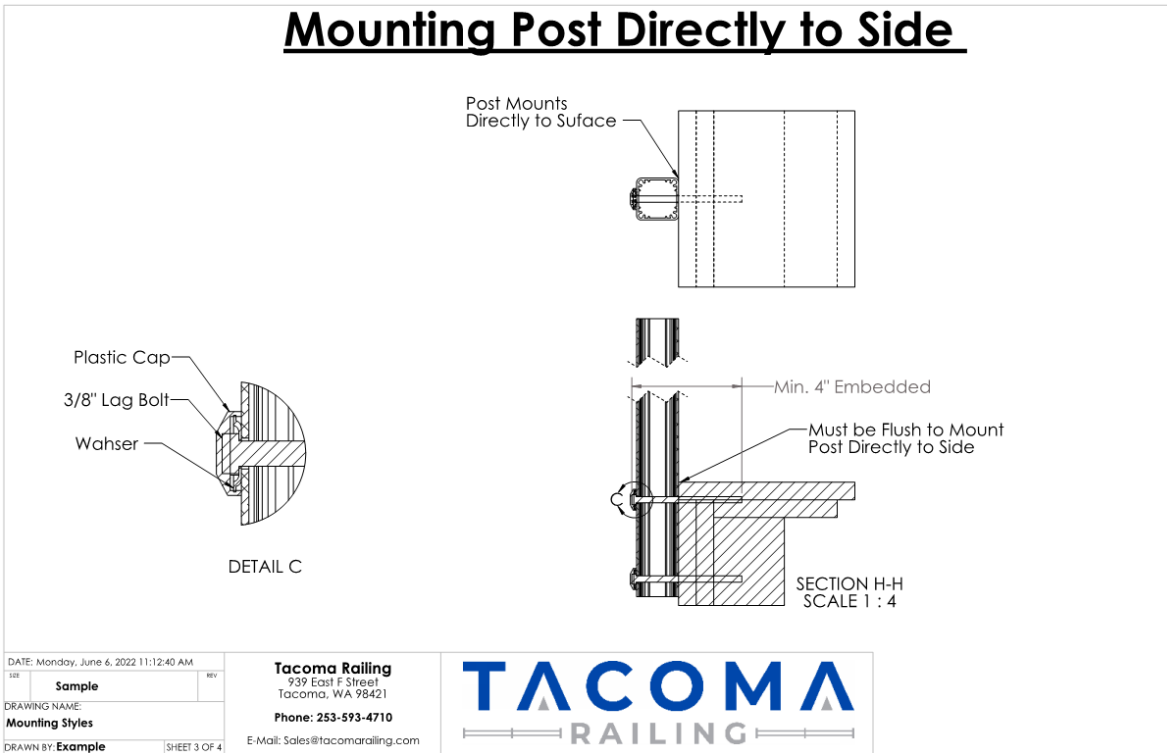
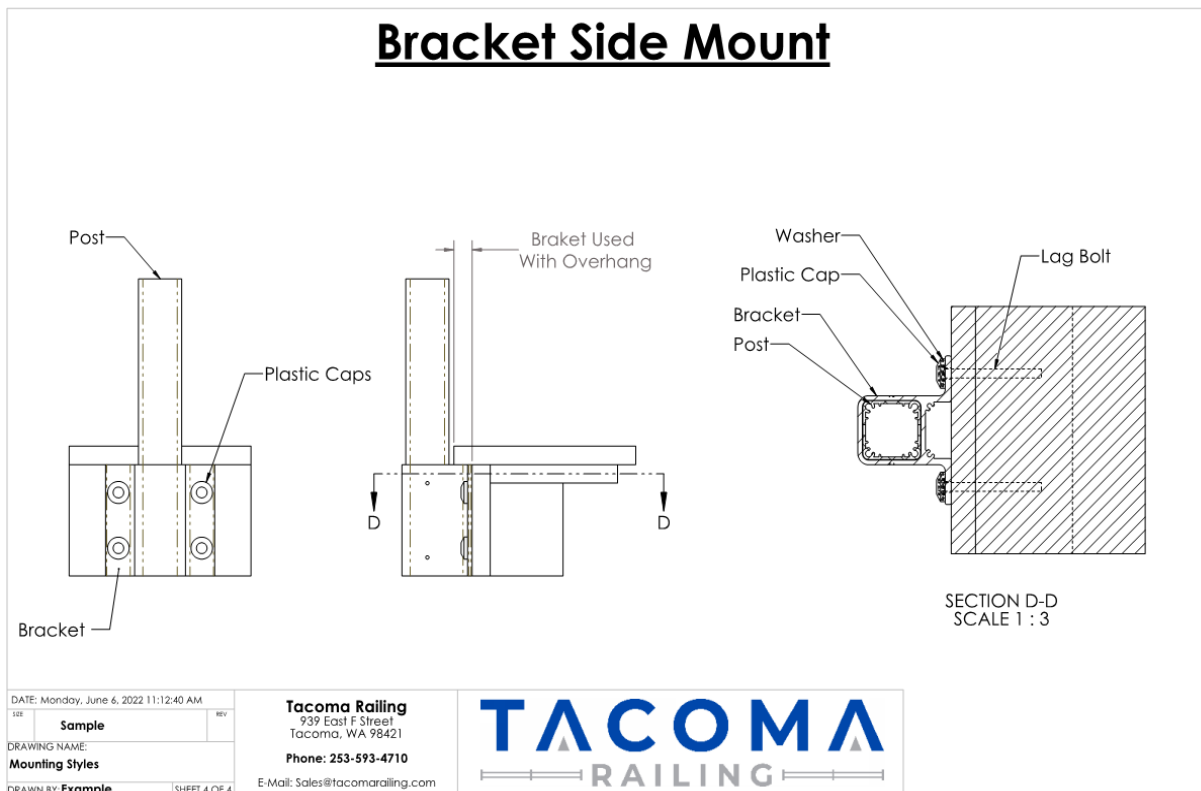


Diagram of Bracket Side Mount



2. Set Corners/End Posts

Using one of the mounting methods from above, layout where the posts will be located. Note there are small differences between the posts. Upon receiving the material there will be two different post styles. First will be your intermediate post. These are easy to notice because they have a 3/16" holes in the posts (small holes). The second style are the end posts which have 29/64" holes. Typically, there are more intermediate post (post with small holes) then there are end posts (posts with big holes) in a rail system order.

3. Setting Intermediate Posts

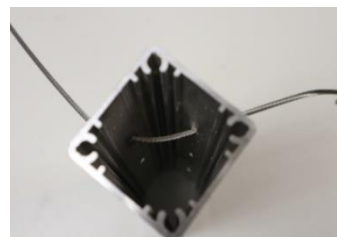
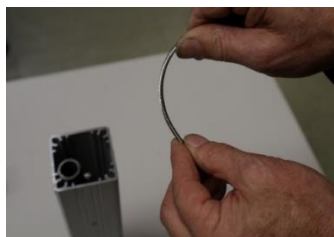
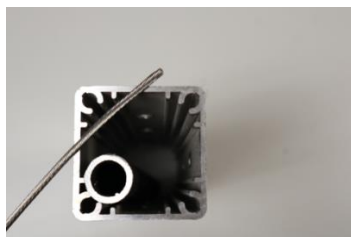
Intermediate post is the post located in-between your end and corner posts. User can use either a string or laser as straight edge to line up post with corner and/or end posts. Post spacing is to not exceed a max of 5 feet. Be sure to always check the leveling of posts while attaching to surface. For more information on installing post assemblies please refer to our how-to video on post assemblies on our website. After all posts have been set attach top rails. Again, if there are any corner posts wait to attach top rail and follow steps above. If there aren't any corners proceed with attaching the top rail.

For More information on attaching top rails please refer to pdf Attaching Top Rail, Rail Support and Lower Rail.

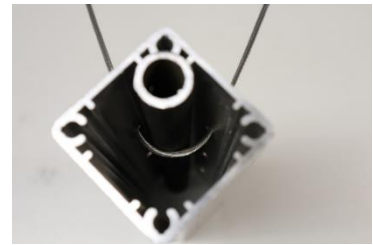
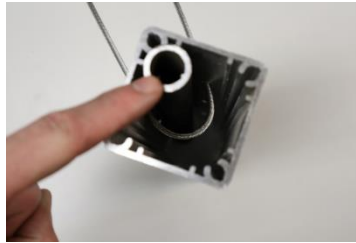
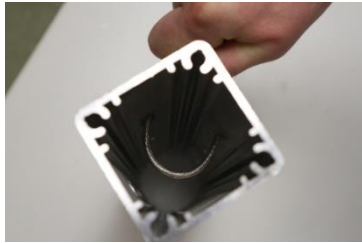
4. Installing Cable Around a Corner.

**** It is important to only tighten/tension cable once the top rail is fully installed and secured. ****

To install the cable around a corner first start by bending the end of the cable by hand to make feeding the cable through the corner easier. (Note: you will need your cable and 1/2" galvanized pipe to complete the following steps.)



After the cable has been feed through the corner, grab the cable from both sides and apply pressure by pushing back on the cable creating a loop inside the post. Then drop down the 1/2" galvanized pipe through the loop the pull the cable toward you to secure the pipe into place.



Installing Cables

1. Slip **washer** onto the **tensioner assembly**.



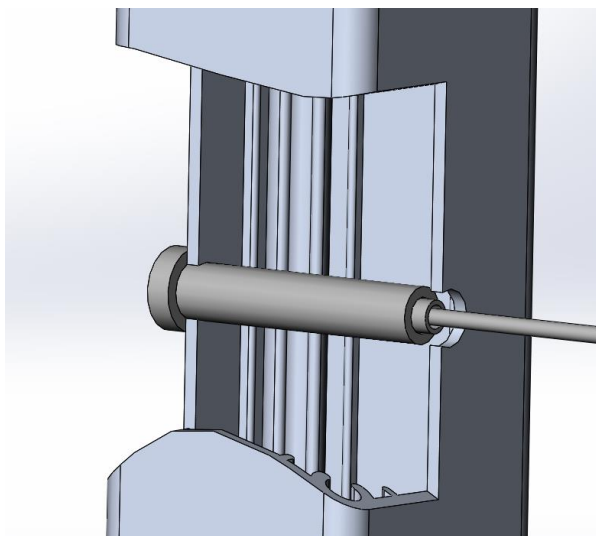
2. **Tensioner receiver**, cable with **thread end** pre kempt to cable.



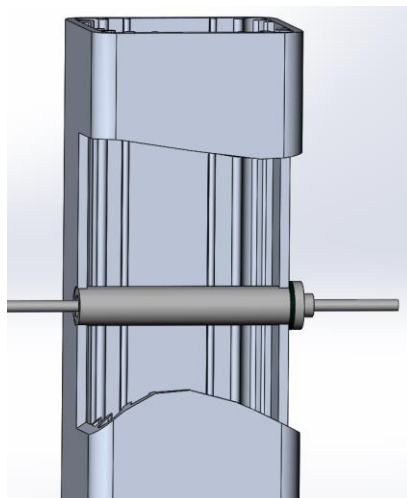
3. Insert the **tensioner receiver** over the 1/8" cable (with the pre kempt **thread end**). Turn the **tensioner receiver** 3 to 4 full turns. Ideally after feeding the cable and tensioner through post this is what it will look inside the post before the final tensioning process.



Pull the cable with the threaded end through the end post that has the 29/64" holes. From the other side of the post feed the tension receivers through the 29/64" hole opening. Turn the receiver about 3 to 4 times so that the receiver gets a good grip on the cable. This will end up threading the tension receiver about a 1/2" onto the threaded cable end.

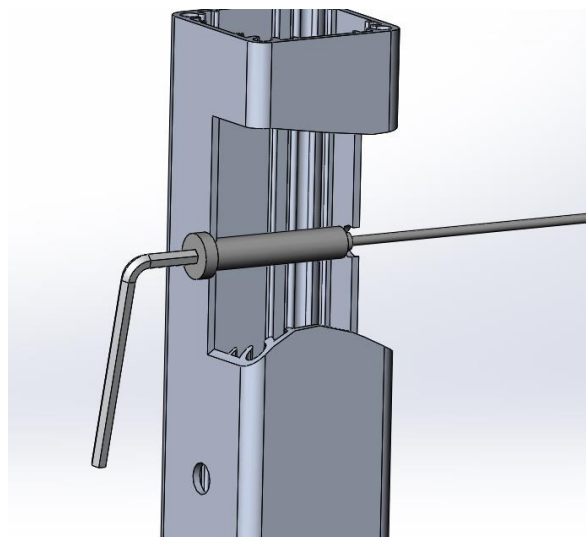


4. Feed the now free end of the cable through the intermediate posts till you reach you last post. If you run into a corner refer to the steps about in pdf. Next add the assembly tensioner which has a pull locking mechanism inside it. Slip the cable through the assembly tensioner and pull hand tight. You can also use cable grips or pliers to tighten the cable by pulling it through the pull lock tensioner.



5. Using a hex key (Allen wrench 3/16") tighten the tension receiver side. **If you are doing this step your top rail should be fully attached.** Hold the cable securely with on hand (user can use cable pliers, be careful to not damage cable. Pliers are to hold cable still while tightening, don't crush cable) tighten with Allen wrench with other hand. Again, be careful to not damage the cable while tightening the cables.

**** It is important to only tighten/tension cable once the top rail is fully installed and secured. ****



6. Order of Tensioning Cable

