RFX400 Top Rail for Level Applications
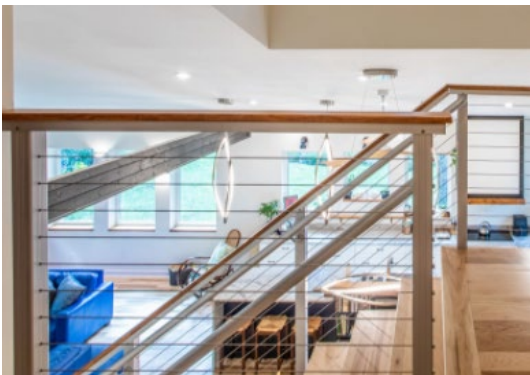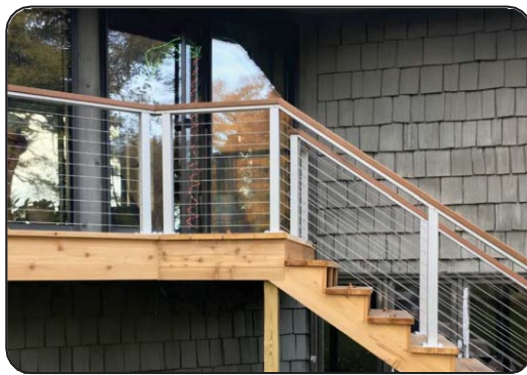
Special Notes:

- **RFX400 top rail is designed to allow for the attachment of a wood or composite cap rail.**

- **Cap rail <u>MUST add 1"</u> or more to overall rail height to reach the required rail heights for both 36" and 42" rails.**

- **A scarf joint should be used to allow for expansion and contraction of cap rail.**

- **Painting the ends of railings that have been cut will help to prevent corrosion.**

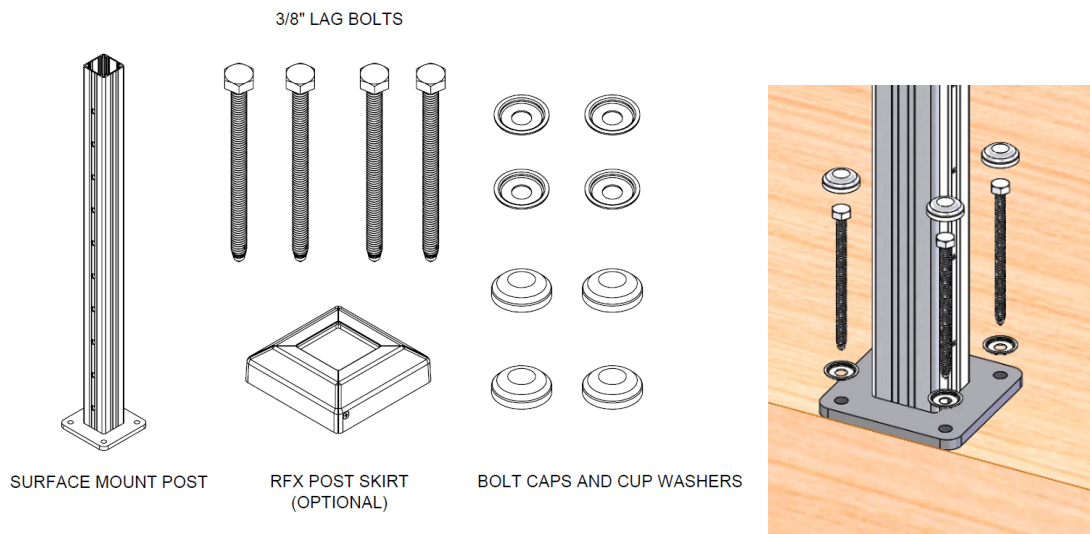**RFX 400 Top Rail with Composite Cap Rail**

RFX 400 Top Rail with Wood Cap Rail
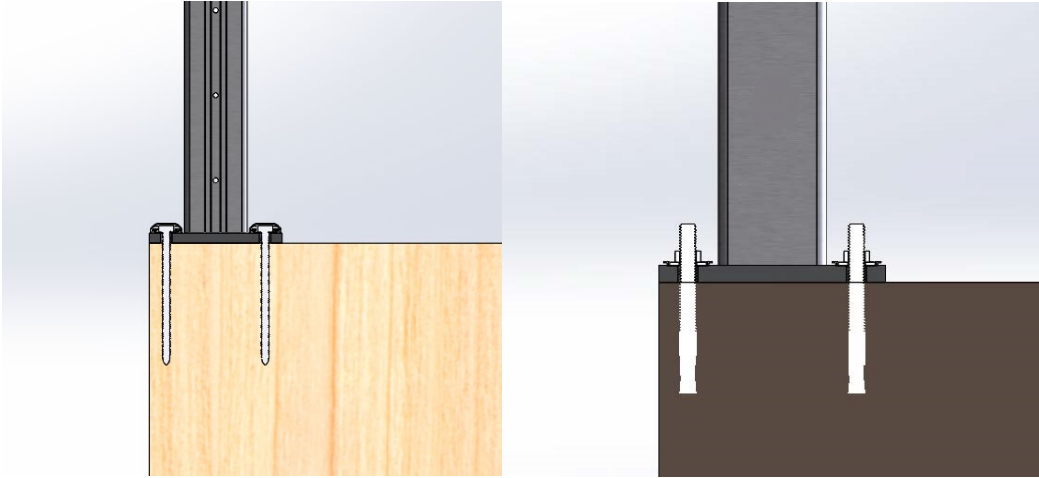
Surface Mount Post Installation
For 36"/42" RailFX Aluminum Railing and Cable System

Materials included for installation:

3/8" LAG BOLTS

SURFACE MOUNT POST

RFX POST SKIRT
(OPTIONAL)

BOLT CAPS AND CUP WASHERS

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 techniques for each installation situation. RailFX or its distributors shall not be held liable for improper or unsafe installations. Determine appropriate layout and post spacing- **Maximum post spacing is 60" on center.** Ensure that proper blocking is in place prior to mounting post. 5.5"/7.5" lag must be fully embedded into blocking.
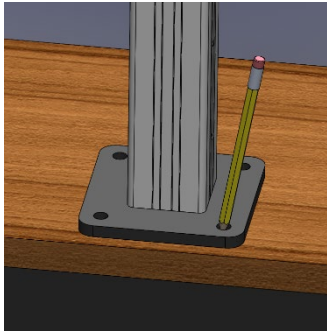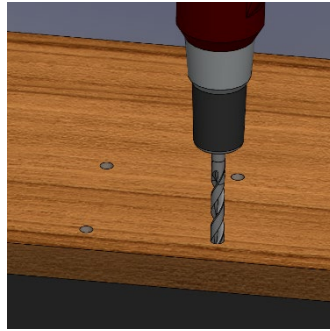
Post Mounting Options

- Wood blocking must be constructed with treated dimensional lumber
- Secure wood blocking to deck frame on all four sides – using #10-3-1/2" deck screws
- Wood blocking must be constructed with a minimum thickness of 1-1/2"
- Base plate holes **MUST** be positioned a minimum ½" from the edge of the deck board
- Use only 3/8" diameter lag screws to attach post
- Secure each post with four bolts
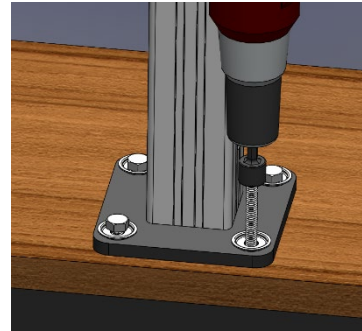
Surface Mount Post Installation
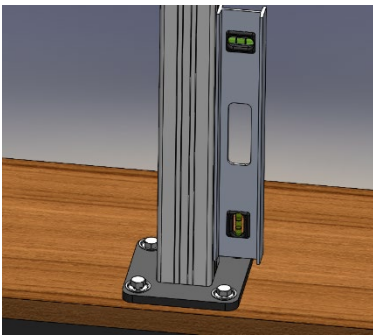## For 36"/42" RailFX Aluminum Railing and Cable System

Step 1:
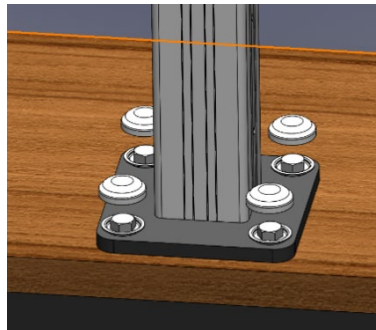Determine location of post and mark hole locations.

Step 2:
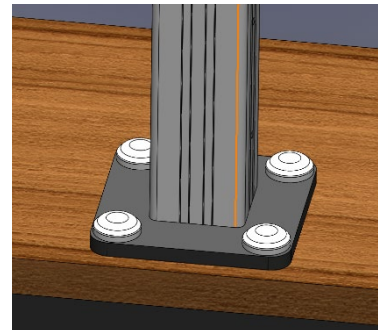Remove post and pre-drill pilot holes to accept 3/8" diameter lag bolt.

Step 3:
Install cup washer under head of each fastener and drive fastener into blocking.

Step 4:
Ensure post is plumb. If not, adjust as needed utilizing composite shims. Tighten fasteners and ensure proper engagement of lags.

Step 5a:
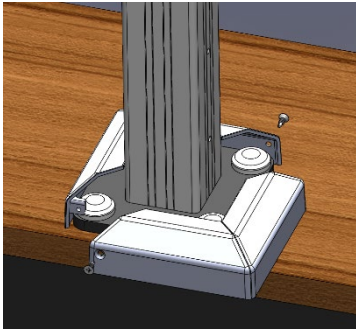Press bolt caps onto cup washer to finish post.

Step 5b:
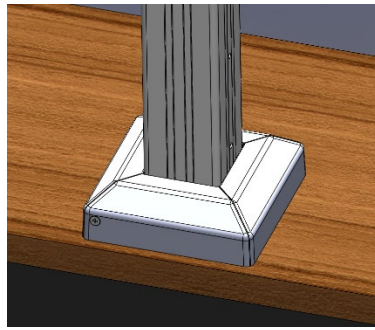Finished Installation. (Unless using post skirt.)

Surface Mount Post Installation
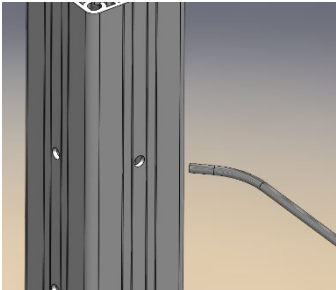## For 36"/42" RailFX Aluminum Railing and Cable System

Step 6a:
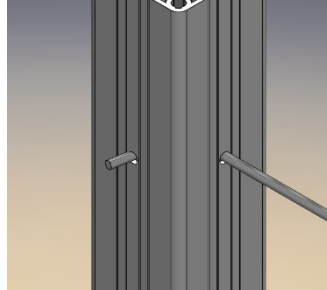Install 2 piece post skirt
(optional).
Secure with 2 screws
(included).

Step 6b:
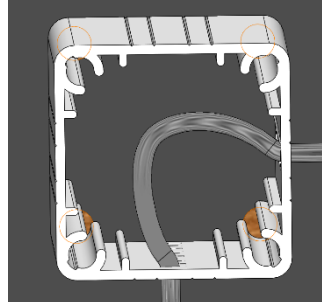Finished Installation.

Single Corner Post Installation

Step 1: Bend amd Insert Cable
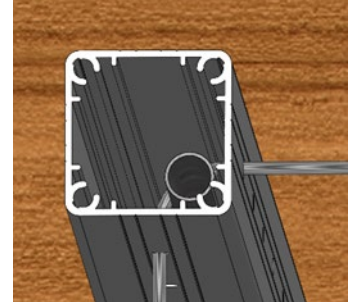Create a bend in cable to allow for easier insertion into post. Do not fray cable end.

Step 2: Run Cable
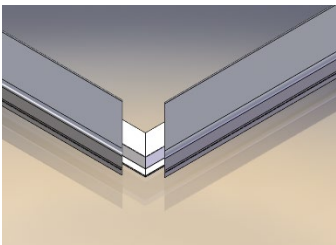Insert and pull through 1' on all cables on post.

Step 3: Create a Loop
Push cable back into post creating a loop.
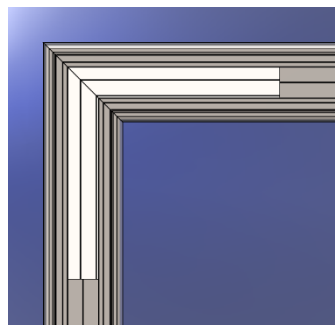
Step 4: Insert Conduit
Insert conduit into post and align to inside corner. Pull cables tight to conduit.
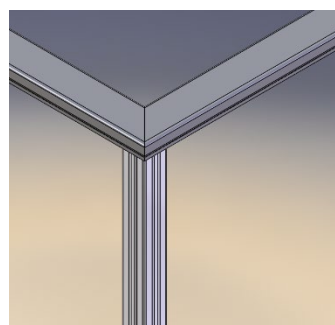
RFX200/300 Top Rail – Miter, Splice & Post Attachment

Step 1: Miter Top Rail
Miter top rails to create a 90 degree corner and slide splice into each end of the rail.

Step 2: 90 Degree Splice Install
Using 8 each screws, secure splice into top rail from the underside of the rail. Ensure screws do not interfere with post.

Step 3: Single Corner Post
Once top rail is secured with a splice, it can be placed onto the post. Use 2 each screws to attach top rail to post.