

# A310 ADJUSTABLE STAIR RAILING INSTALLATION GUIDE

FAIRWAY

ARCHITECTURAL RAILING SOLUTIONS



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Review all local building codes before starting the installation.

Wear proper safety equipment.

**ALWAYS LAY RAILING ON CLEAN & SOFT SURFACE TO AVOID DAMAGE**

*Kit Includes:*

1 • Sculpted Top Rail (with adjustable stair knuckles and spacers installed).

1 • Bottom Rail (with adjustable stair knuckles installed).

2 • Bottom Rail Brackets (PTP/OTP) Stair with screws.

Balusters

*Top rail brackets sold separately.*

## Before Starting the Installation

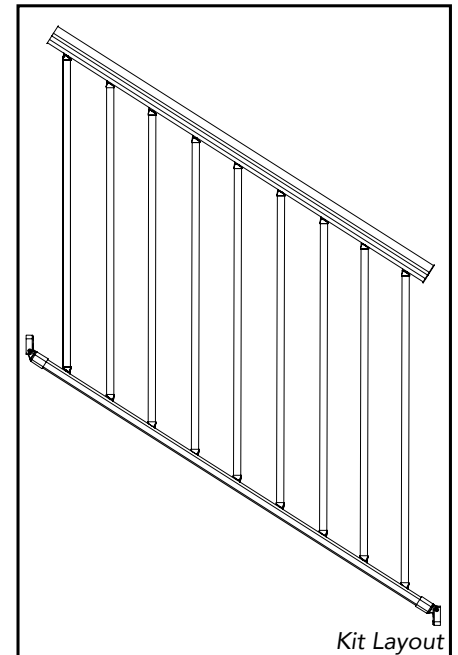
Review all local building codes. Wear proper safety equipment.

## Step 1

Mount & plumb surface post mount (bolts & shims not included).

Slide sleeve over post mount and check for plumb.

(See Step 1 illustration)



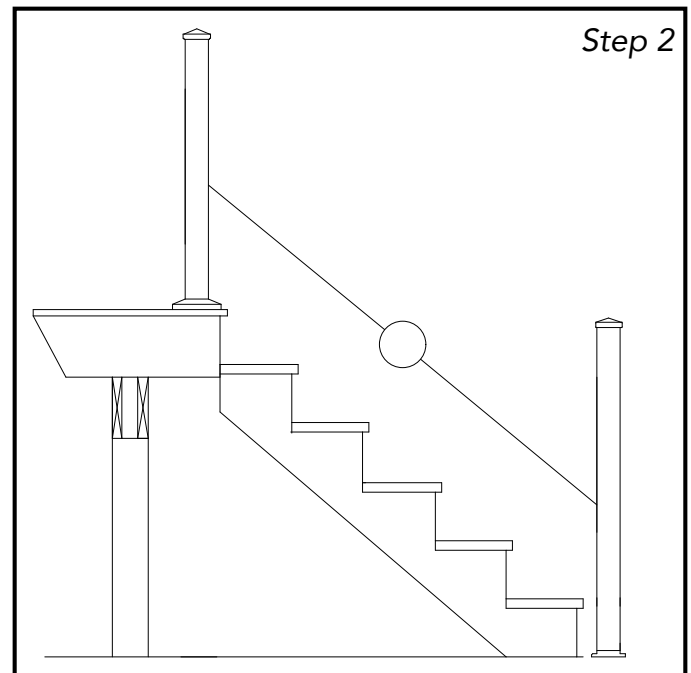
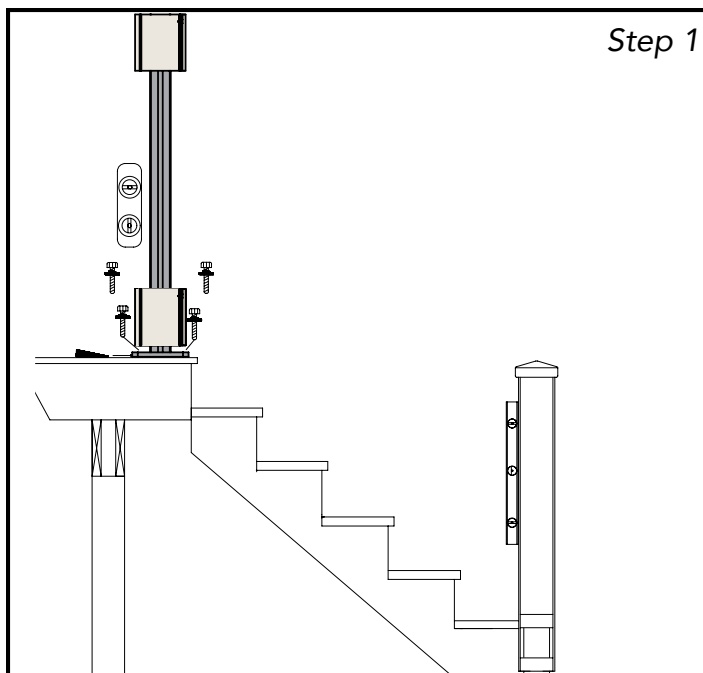
## Step 2

With post plumb and sleeved, measure distance from post to post (see Step 2 illustration).

For TOP RAIL - deduct 3-1/4" from measurement.

For BOTTOM RAIL - deduct 2-1/2" from measurement.

**NOTE:** All measurements apply to stair pitch between 32-38 degrees.



# A310 ADJUSTABLE STAIR RAILING INSTALLATION GUIDE (continued)

## Step 3

Remove end spacers, mid-spacers, and adjustable stair knuckles from rails.  
Cut top and bottom rails to length.

## Step 4

Insert adjustable stair knuckles into baluster ends.  
Ensure knuckles are facing opposite directions (see Step 4 illustration).  
Slide a baluster (with knuckles) into bottom rail. **NOTE:** Lay rail on a flat, non-abrasive surface or have a helper assist with keeping components in place.  
Slide a mid-spacer into bottom rail.  
Repeat the process until the bottom rail is full of balusters and mid-spacers.  
**NOTE:** Ensure baluster knuckles are facing the same direction.

## Step 5

Slide balusters and mid-spacers flush to one end of rail. Measure open space on opposite end.

Divide this distance in half to allow for equal spacing.

**NOTE:** At rail ends, the TOTAL space should be **no greater than 8"** and **no less than 4"**, with **equal and maximum spacing** on both ends.

Mid-spacers may need to be uniformly cut to adjust spacing.

Equally cut both end spacers to fit.

Center balusters and mid-spacers on rail. Install end spacers on rail ends, screws oriented on the rail **ends**.

## Step 6

Repeat steps 4 and 5 for top rail, ensuring baluster spacing matches bottom rail.

## Step 7

Assemble stair brackets (See step 7 illustration).

Brackets mounted to TOP POST - mounting flanges are oriented UP.

Brackets mounted to BOTTOM POST - mounting flanges are oriented DOWN.

Slide brackets on rail section ends.

**(Do not** install set screws yet).

Place complete railing section between posts.

**NOTE:** Blocks can be used under bottom rail brackets to hold section in place. Install self-tapping screws through brackets into posts. Make final check of baluster plumb and install set screws through top rail bracket into rail.

Install post caps and post base trim.

