

# SUPERIOR

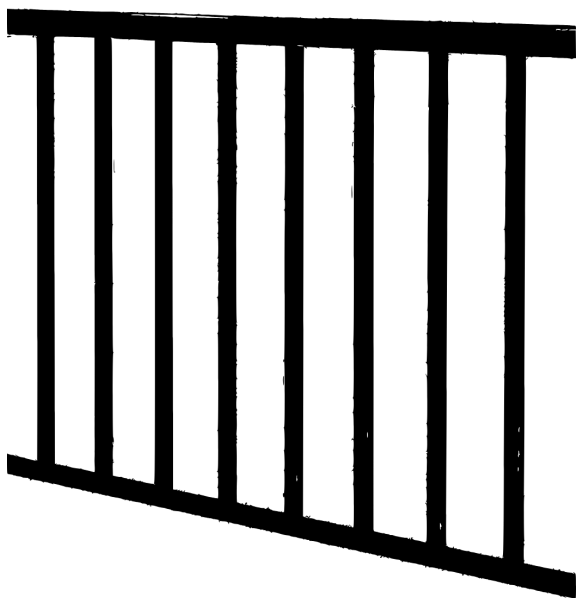
## ALUMINUM PRODUCTS

### Level Picket Railing Kit

*Superior Aluminum Series 9P Residential Railing*

*For 4', 6', and 8' railing sections*

### ***Assembly Instructions***



**SCAN  
HERE**  
FOR DIGITAL  
INSTRUCTIONS



# LET'S GET STARTED

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SCAN CODE FOR  
DIGITAL  
INSTRUCTIONS



ESTIMATED TIME  
FOR ASSEMBLY &  
INSTALLATION



## Warranty:

Superior Aluminum Products manufactures top-quality railing from premium aluminum, guaranteeing durability and craftsmanship. Our painted finish is backed by a two-year warranty against common issues, with exceptions for oceanfront installations. Defects in workmanship or materials are covered for the same period. For full warranty details, please email [info@superioraluminum.com](mailto:info@superioraluminum.com).

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*At Superior Aluminum, safety is our top priority. It is the responsibility of the purchaser to meet all code and safety requirements and all required safety practices. Superior Aluminum Products and its distributors are not responsible for improper use or unsafe installation practices. For more details, please contact us at [info@superioraluminum.com](mailto:info@superioraluminum.com)*

## QUESTIONS OR CONCERNS? CONTACT US



[info@superioraluminum.com](mailto:info@superioraluminum.com)



(937) 526-4065

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## YOU WILL NEED:

- Safety Glasses
  - Tape Measure
  - Pencil
  - Drill and Phillips-Head bit
  - Rubber Mallet
  - Chop Saw (if needed)
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## CARE & MAINTENANCE

Use a damp cloth to wipe off dust and dirt periodically. When necessary, use warm, soapy water to clean your railing. Regular cleaning of the railing is necessary to keep the railing in good condition and ensure its durability.

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## Have an issue?

Let us know.

## Love your product?

Let everyone know.

## Leave us a review

[superioraluminum.com/reviews](http://superioraluminum.com/reviews)

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ALUMINUM PRODUCTS

# WHAT'S INCLUDED?



**Top Rail (A)**  
(x1)



**Bottom Rail (B)**  
(x1)



**Screw Cover (C)**  
(x2)



**Pickets (D)**  
(x10 for 4' kit | x15 for 6' kit | x20 for 8' kit)



**Adjustable End Bracket - Top Rail (E)**  
(x2)



**Adjustable End Bracket - Bottom Rail (F)**  
(x2)



**1" Self-Drilling Screw (G)**  
(x13)



**1" Picket Screw (H)**  
(x21 for 4' kit | x33 for 6' kit | x45 for 8' kit)

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## *For 8' Kits Only*



**3/4" Extended Picket Base (I)**  
(x1)



**3/4" Self-Drilling Screw Unpainted (J)**  
(x1)



**Extended Picket (K)**  
(x1)

## SIZING YOUR RAILING (IF NECESSARY)

If you determine that your railing needs to be cut down, follow these steps before moving to the assembly of your rail kit. If your rail does not need cut, skip to Part 1.

### STEP 1

Remove the screw covers (C) from the top (A) and bottom rail (B). Measure the area between posts or walls that you need your railing to cover. (Posts sold separately). Measure that distance on both the top and bottom rail. Mark this measurement and be mindful of picket spacing (cut with the same amount of rail past each end picket).



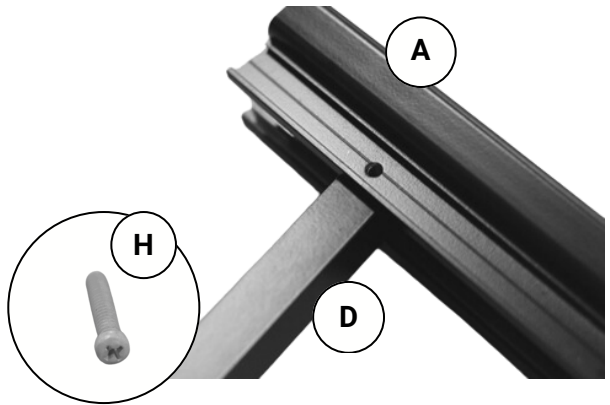
### STEP 2

Use a chop saw to make the necessary cuts to both the top rail, bottom rail, and screw covers.

# PART 1: RAILING ASSEMBLY

## STEP 1

Remove the screw covers (C) from the top (A) and bottom rail (B). Insert a picket (D) into the first opening in the top rail, aligning the holes. Insert a picket screw (H) through both holes. Do not tighten the picket screw yet.



## STEP 2

*If assembling an 8' kit, read Step 2 and Step 2a before beginning this step.*

Repeat Step 1, inserting all pickets and picket screws into the top rail, but don't tighten the picket screws yet.

## STEP 2A (IF NECESSARY)

### *For 8' kits only: Extended Picket Assembly*

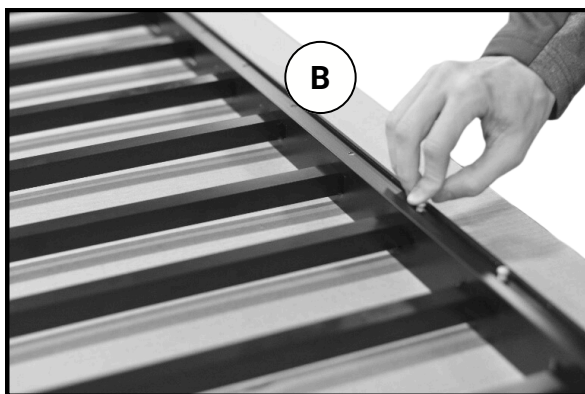
8' level railing sections require an extended picket at the center for even weight distribution and stability. There should be 10 standard sized pickets to the left and the right of the extended picket. If cutting down the railing section, ensure the extended picket is as close to the center as possible.

Install the extended picket (J) into the top rail in the same fashion as the standard pickets. Align the bottom rail to determine which opening should accept the extended picket, then move bottom rail up until aligned with standard pickets being careful not to scratch the extended picket.

Attach the standard pickets as normal. To attach the extended picket, utilize a 3/4" self-tapping screw (I) and drill into the picket. It is highly recommended that the extended picket be fastened last.

## STEP 3

Repeat the above steps with the bottom rail (B), aligning all picket holes and inserting screws, but not yet tightening the screws. For the 8' kit, it is recommended to put the extended picket into the bottom rail first.



*Note: Getting the first picket in and adding the screw is key to getting the rest of the bottom pickets to line up. You may have to tap the bottom rail with a rubber mallet to get this done.*



*Note: Be sure not to over-tighten the screws*

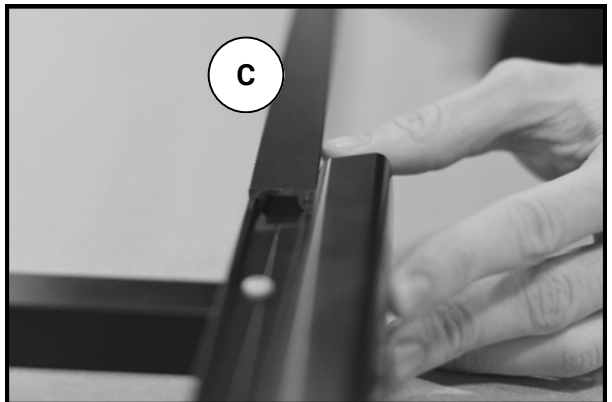
## STEP 4

Once all pickets and picket screws are aligned, use a drill to tighten the screws into both the top rail and bottom rail.

**8' kit:** Fasten the extended picket once all the standard pickets are attached.

## STEP 5

Slide the screw cover (C) into the groove on both the top rail and bottom rail to conceal the picket screws.



# PART 2: ATTACHING TO POST(S)

## (36" POSTS SOLD SEPARATELY)

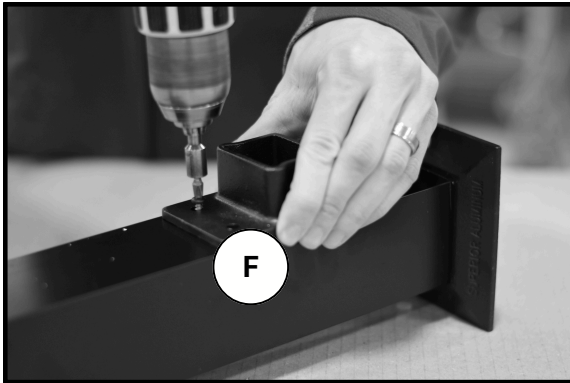
*Note: Mounting your railing to an existing structure, such as a porch column or a wall, uses a similar process. Follow the instructions below, but pay attention to special instructions with a (\*) next to them.*

### STEP 1

Begin by marking a line on the post **3-1/8"** above the top of the base.

Ensure the brackets are installed on the side of the post that is perpendicular to the holes in the post base.

*\*When mounting to an existing structure, mark the structure at **3-5/8"** from the ground.*



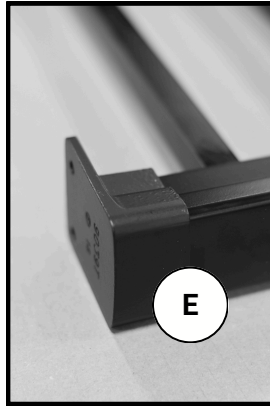
### STEP 2

Align the bottom of the bottom bracket with the marked line on the post and secure it in place using 2 self-tapping screws. The top of the bracket is the side with the holes drilled for mounting.



## STEP 3

Next, slide the top end bracket onto the end of the top rail. Slide the post with bottom bracket attachment onto the bottom railing but do NOT fasten.



*\*When mounting to an existing structure, you'll need to prop up the railing to achieve this step. For best results, use 2" wood spacers or an additional person for support.*

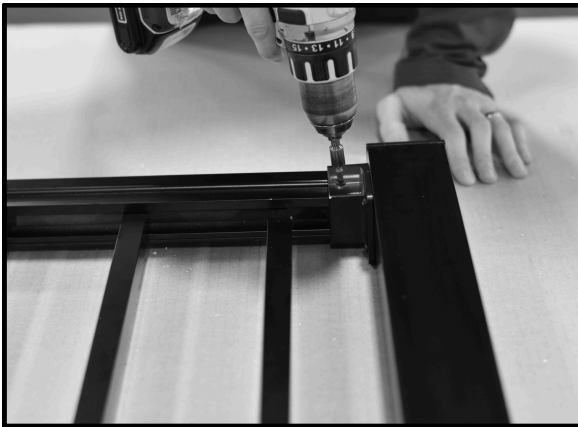


## STEP 4

Mark each mounting hole location for the top end bracket and remove the railing from the end brackets.

## STEP 5

Mount the top rail end bracket onto the post, being careful to attach where marked.



## STEP 6

Slide the post that now has two brackets back onto the rail. Fasten brackets to top and bottom railing using self-tapping screws. It is highly recommended this be done on the side of the railing with the screw covers.

## STEP 7

Repeat this process for the other post or see instructions for mounting to existing structures.



## MOUNTING YOUR RAILING

**Due to a variety of mounting conditions, Superior does not provide specific instructions for mounting your railing.**

Typically, Superior Aluminum railing will be mounted in one of two ways:

**Surface mounted to concrete:** It is recommended to utilize a wedge anchor at least 3" in length. Diameter of anchors for Superior Aluminum Series 9P post bases should be 3/8". If possible, railing should be mounted at least 4" from the edge of concrete to avoid breakage.

**Surface mounted to wood/composite material:** It is recommended to utilize an anchor that is at least 3" in length. Wood/composite surfaces **MUST** have proper blocking underneath mounting point to ensure sufficient strength. Diameter of anchors for Superior Aluminum Series 9P post bases should be 3/8". If possible, railing should be mounted at least 4" from the edge of surface to avoid breakage.

Whenever possible, it is recommended that mounting be performed or supervised by individuals experienced and familiar with construction trades. Superior Aluminum maintains no liability for issues related to improper mounting of railing.

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