

# ULTRAmox™

ALUMINUM RAILING SYSTEMS

A safe, low-maintenance  
Ultra lifestyle now comes in a kit

## Ultra Max Ready-to-Build Railing Systems



CCRR Code Approved #0223



**ULTRAmax**  
ALUMINUM RAILING SYSTEMS



**Our easy-to-build railing kits provide safety and high quality at a more reasonable price.**

**Ultra Max Railing is the perfect addition to your porches, decks or walkways.**

Ultra Max offers an elegant handrail profile, with two classic baluster configuration, and four different textured colors.

They all come together to form a custom look and feel that will work well with your home and landscaping design.

Ultra Max Railing in 2-rail configuration in two-toned Textured Khaki Posts and Rails with Textured Bronze balusters





# ULTRAMax™

ALUMINUM RAILING SYSTEMS

## Simple

Simple installation is the key design element to the new Ultra Max Railing Systems. Install-Guide Templates locate bracket placement. Simply screw brackets into place and drop your railing into the brackets.



## Durable

Ultra's Textured Powercoat™ finish is twice the thickness and hardness of a typical baked enamel finish, and is guaranteed for life against cracking, peeling or chipping. It meets AAMA 2604-5 standards for the ultimate in durability and UV protection.



## Versatile

A variety of customization options are available to create a deck that's truly unique including Deck-Over-Rail for a convenient drink ledge. Mix and match colors and a variety of balusters for a personalized design. Columns wraps are also offered to easily attach around wood porch posts or understructure to complement the look of your railing project.



## Illumination—Coming Soon

Firefly Illumination™ by Ultra will add ambiance and provide additional hours of outdoor living. This easy to install system runs post to post and in-rail lights connect to each other in a "Daisy Chain". Firefly offers a variety of low voltage illumination options that will light up a dark porch or deck. Choices include Mini Rail Lights, Post & Sconce Lights, and a Bottom Rail Strip Light.



## Strong

Our 2X-TRUSION from Ultrum™ 6005-T5 alloy tests at a minimum ultimate strength of 35,000 psi. High-strength aluminum lasts longer and wears better than wood. Aluminum saves time and money on costly maintenance. Tested by Intertek.



## Fast-Track 2-Piece Bracket and Baluster Installation

Ease of installation, combined with the strength of our aluminum construction, are the key features in the new Ultra Max Railing Systems. The In-Rail Connector system allows for quick installation of balusters without any screws or spacers. It guides balusters in place and eliminates rattling noise.



## 36" and 42" Square Baluster 2-Rail Level Railing Kits

**All railing kits feature the Franklin Profile and include:**

Top and Bottom Rails, 15 Balusters, Brackets and Fasteners

6 ft. kit sections are 70.5" wide

8 ft. kits are 97.25" wide, with brackets and 2" sweep

*A Third Rail Kit (UAR-200 3R) is available by special order.*

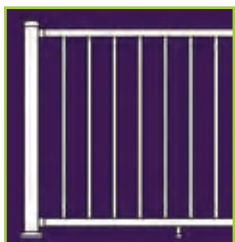
### 36" Square Baluster 2-Rail Railing Kits

MODEL NUMBER	DESCRIPTION
UMX-F200__-3672-2RLS	36" x 72" - 2 Rail Level Square Kit
UMX-F200__-3696-2RLS	36" x 96" - 2 Rail Level Square Kit

### 42" Square Baluster 2-Rail Railing Kits

MODEL NUMBER	DESCRIPTION
UMX-F200__-4272-2RLS	42" x 72" - 2 Rail Level Square Kit
UMX-F200__-4296-2RLS	42" x 96" - 2 Rail Level Square Kit

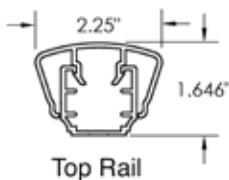
**NOTE:** 36" and 42" Gloss Color or ROUND Railing Kits are available as Special Order. Ask your representative for details.



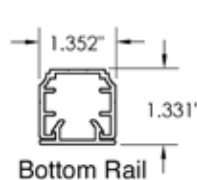
UMX-F200 2R Two Rail



UMX-F200 3R Three Rail



Top Rail



Bottom Rail



Top Bracket



Bottom Bracket

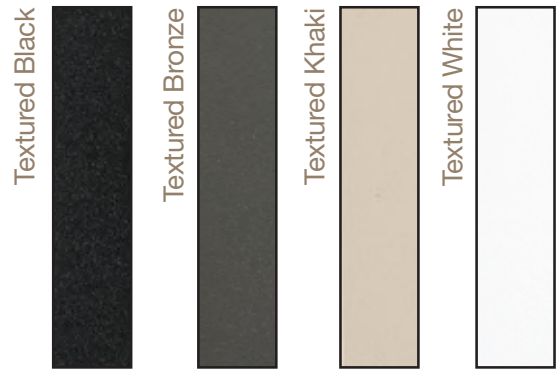
## Colors

Ultra Max Railing, Gates and Accessories are available in four classic textured finish colors. They are all applied with a special Ultra Powercoat™ finish to resist harsh weather and heat.

Colors shown represent an approximate comparison and may vary slightly from actual product color.

Enter Color Code when ordering:

**Black: TB / Bronze: TZ / Khaki: TK / White: TW**



## 36" and 42" Square Baluster Stair Kits

All railing kits feature the Franklin Profile and include:

Top and Bottom Rails, 12 Balusters, and feature our new Stair-Hinge connectors with the Ultra FrictionFit™ connection system, which allows universal adjustments to follow practically any stair angle.

### 36" Square Baluster 2-Rail Railing Kits

MODEL NUMBER	DESCRIPTION	ADDITIONAL
UMXFS-FS200 __ 3672-2RSS	36" x 72" - 2 Rail Stair Square Kit	Pivot 30-40 degrees
UMXFS-FS200 __ 3696-2RSS	36" x 96" - 2 Rail Stair Square Kit	Pivot 30-40 degrees

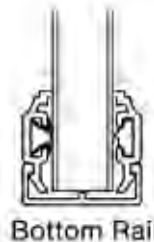
### 42" Square Baluster 2-Rail Railing Kits

MODEL NUMBER	DESCRIPTION	ADDITIONAL
UMXFS-FS200 __ 4272-2RSS	42" x 72" - 2 Rail Stair Square Kit	Pivot 30-40 degrees
UMXFS-FS200 __ 4296-2RSS	42" x 96" - 2 Rail Stair Square Kit	Pivot 30-40 degrees

Enter Color Code when ordering:

**Black: TB / Bronze: TZ / Khaki: TK / White: TW**

**NOTE:** 36" and 42" Gloss Color or ROUND Railing Kits are available as Special Order. Ask your representative for details.



## Bracket Kits Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW

MODEL NUMBER	DESCRIPTION	ADDITIONAL
UMX-KFL-2P115-__ __	Level Bracket Pack	4 brackets w/screws & foot-block
UAR-KFV-115S-__ __	Stair Vertical Rail End Pack	4 brackets w/screws
UAR-KFH-115H-__ __	Horizontal Rail End Pack	4 brackets w/screws
UARF-FBK01-__ __	Footblock Kit	3/4" baluster 2" with screws & shoe
UMX-IGT-FTB	Install Guide Template Kit	One 13/64" drill bits & #3 Phillips bits







## 2-1/2" and 3" Residential Post Kit

Enter Color Code when ordering: **Black: TB / Bronze: TZ / Khaki: TK / White: TW**

Includes: cap, post, 3/8" flange, flange cover, and 2 wedges. Fastening Hardware NOT included.

For wood or concrete applications.

### MODEL NUMBER

UMXP-25100-38-\_\_ \_\_

UMXP-25100-44-\_\_ \_\_

UMXP-25100-54-\_\_ \_\_

UMXP-30125-38-\_\_ \_\_

UMXP-30125-44-\_\_ \_\_

UMXP-30125-54-\_\_ \_\_

### DESCRIPTION

Post 2-1/2" x 2-1/2" x 38"

Post 2-1/2" x 2-1/2" x 44"

Post 2-1/2" x 2-1/2" x 54"

Post 3" x 3" x 38"

Post 3" x 3" x 44"

Post 3" x 3" x 54"

### ADDITIONAL

With mount & flange cover

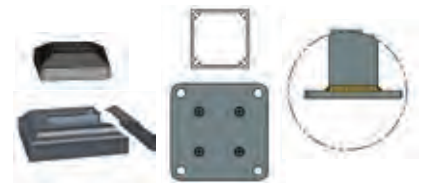
With mount & flange cover

With mount & flange cover

With mount & flange cover

With mount & flange cover

With mount & flange cover



## 3" Commercial Post Kit

Enter Color Code when ordering: **Black: TB / Bronze: TZ / Khaki: TK / White: TW**

Includes: cap, post, 1/2" flange, flange cover, and 2 wedges. Fastening Hardware NOT included.

For wood or concrete applications.

### MODEL NUMBER

UMXP-C6-30125-38-\_\_ \_\_

UMXP-C6-30125-44-\_\_ \_\_

UMXP-C6-30125-54-\_\_ \_\_

### DESCRIPTION

Post 3" x 3" x 38"

Post 3" x 3" x 44"

Post 3" x 3" x 54"

### ADDITIONAL

With mount & flange cover

With mount & flange cover

With mount & flange cover



## 4" Post Sleeve

Enter Color Code when ordering: **Black: TB / Bronze: TZ / Khaki: TK / White: TW**

Cap and Skirt sold separately.

### MODEL NUMBER

UMXP-40125-38-\_\_ \_\_

UMXP-40125-44-\_\_ \_\_

UMXP-40125-54-\_\_ \_\_

### DESCRIPTION

Post Sleeve 4" x 4" x 38"

Post Sleeve 4" x 4" x 44"

Post Sleeve 4" x 4" x 54"



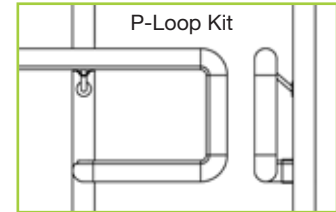
## Grab Rail Kit and Accessories **Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW**

Madison Kit Includes: (1)-96" and (2)-4" profile, rail ends (2), and elbows (2).



KIT MODEL NUMBER	DESCRIPTION
UARA-9894-CO096-__ __	Grab Rail 2" Madison 96" Kit
UARA-9894-PLK-__ __	Grab Rail P-Loop Kit
ACC. MODEL NUMBER	DESCRIPTION
RHG-B-__ __	Grab Rail Bracket In Line
RHG-V-__ __	Grab Rail Bracket 2 pc. Vertical Swivel
RHG-S-__ __	Grab Rail Sleeve Joiner Insert
RHG-CV-__ __	Grab Rail Vertical Elbow
RHG-P-__ __	Grab Rail End Plug
RHG-C-__ __	Grab Rail Horizontal Elbow
RHR-KIT126-CO__ __	Grab Rail Madison Rail End

### ADDITIONAL



No tab w/screws



## Caps and Accessories

**Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW**

MODEL NUMBER	DESCRIPTION	ADDITIONAL
HCP-20-__ __	2" Cap	1 each
HWC-420-__ __	2" Flange Cover (skirt)	1 each
HCP-25-__ __	2.5" Cap	1 each
HWC-525-__ __	2.5" Flange Cover (skirt)	1 each
HCP-30-__ __	3" Cap	1 each
HWC-530-__ __	3" Flange Cover (skirt)	1 each
HCP-40-__ __	4" Cap	1 each
HWC-400-__ __	4" Flange Cover (skirt)	1 each
UAR-25-WDG	Wedge Shim for Post	25 pack
UAR-300-WDG	Wedge Shim for Post	300 per case



## Column Wrap **Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW**

Fastening Hardware NOT included. Use a 6" Wrap for 4x4 wood posts and an 8" Wrap for 6x6 wood posts.

MODEL NUMBER	DESCRIPTION	ADDITIONAL
UARCW-66100-96-__ __	Column Wrap 6" x 6" x 96"	4 pieces
UARCW-66100-120-__ __	Column Wrap 6" x 6" x 120"	4 pieces
UARCW-66100-144-__ __	Column Wrap 6" x 6" x 144"	4 pieces
UARCW-88100-96-__ __	Column Wrap 8" x 8" x 96"	4 pieces
UARCW-88100-120-__ __	Column Wrap 8" x 8" x 120"	4 pieces
UARCW-88100-144-__ __	Column Wrap 8" x 8" x 144"	4 pieces



## Newel Kits **Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW**

Fastening Hardware NOT included.

MODEL NUMBER	DESCRIPTION	ADDITIONAL
UARN-66100-40-__ __	Newel Post 6" x 6" x 40"	With Cap, Base and 8 Inserts
UARN-66100-46-__ __	Newel Post 6" x 6" x 46"	With Cap, Base and 8 Inserts



## Column Accessories

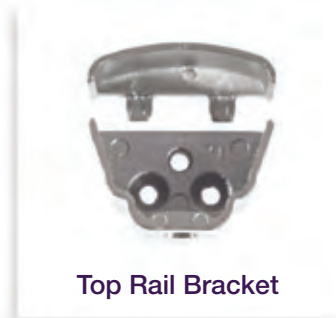
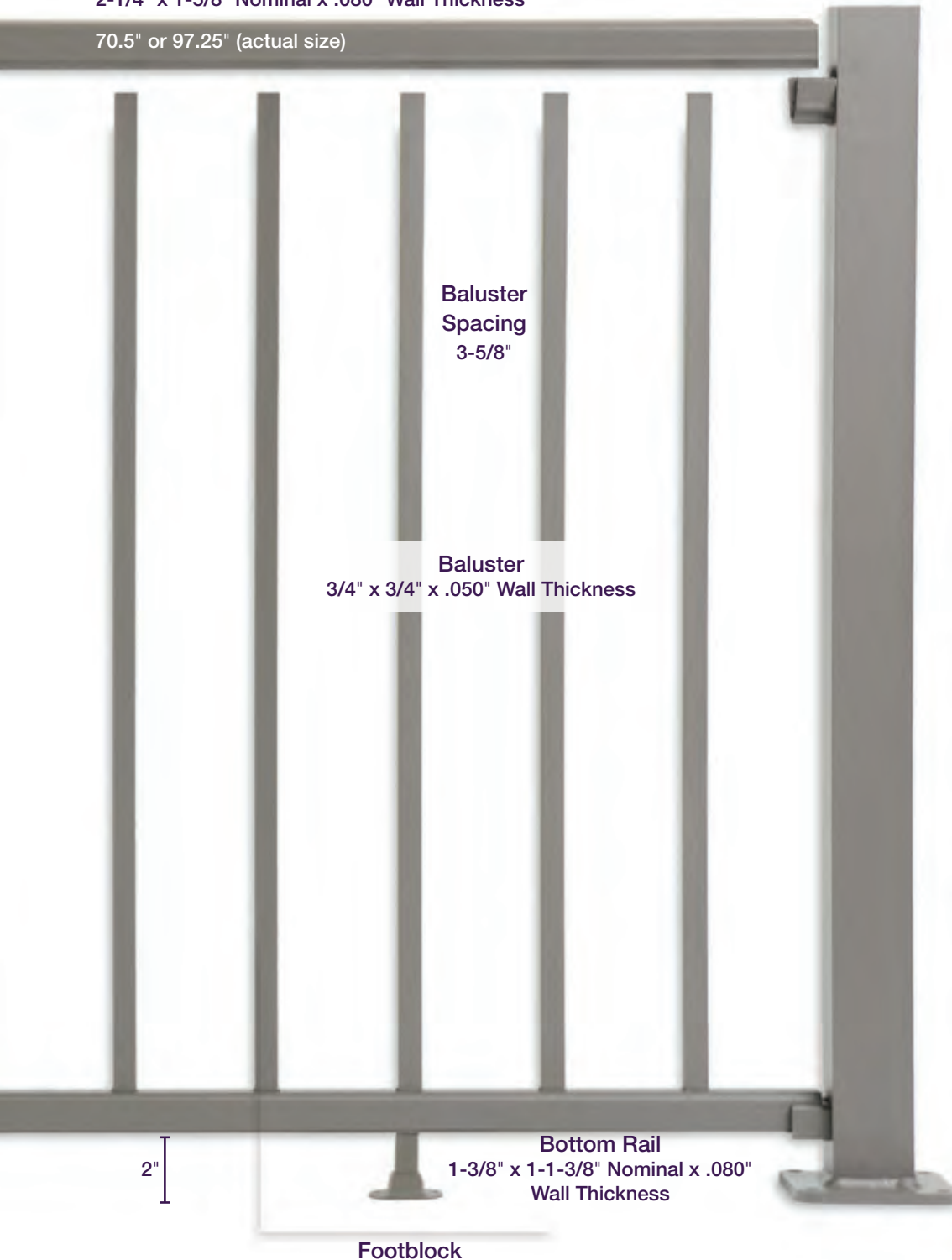
**Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW**

MODEL NUMBER	DESCRIPTION	ADDITIONAL
CO-8030-550__ __	Column Newel Cap 6"	Cap and base
CO-8040-__ __	Column Base 6"	Use for top and bottom base on columns - 1 each

# Ultra Max Level Rail Planning Guide

**Level Top Rail**  
2-1/4" x 1-5/8" Nominal x .080" Wall Thickness  
70.5" or 97.25" (actual size)

**Post**  
2-1/2" x 2-1/2" x .100" Wall Thickness  
or 3" x 3" x .125" Wall Thickness





# Ultra Max Stair Rail Planning Guide

Stair Top Rail  
2-1/4" x 1-5/8" Nominal x .080" Wall Thickness  
70-1/2" or 97-1/4 (actual size)

Post  
2-1/2" x 2-1/2" x .100 Wall Wall Thickness  
or 3" x 3" x .125" Wall Wall Thickness

Cap and  
Top Stair Bracket



Baluster  
Spacing  
3-5/8"

Baluster  
3/4" x 3/4" x .55" Wall Wall Thickness



Bottom Rail Bracket  
and Flange Cover





Tools Required: Level, rubber mallet, 2-speed square, cordless drill and impact driver, quick clamp grips, measuring tape, meter saw with high tooth count, 13/64" drill bit, #3 screwdriver bit, ratchet set, portable band saw.

**IMPORTANT ATTACHMENT NOTE:**

It is very important to have proper **BUILDING CODE APPROVED BLOCKING** below deck boards for Building Code Approved attachment and flashing of UMX Post kits.



Layout the deck or patio for optimizing the best use of UMX railing and post kits. Use speed square for placement of the post and squaring flange to structure.

**Overview of Level Rail Instructions:**

**#1A-B:** Pre Drill and use approved Fasteners to attach the post to substrate. Fasten post in place and use supplied wedges to plumb post if necessary.

**#2A:** Place ULTRA MAX Install Guide template on the post.

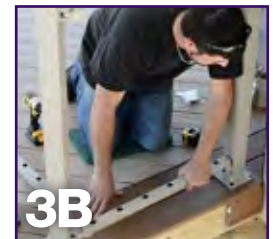
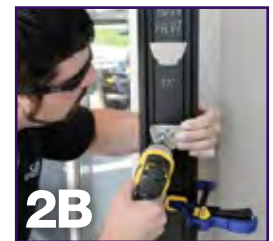
**#2B:** Secure brackets by using supplied #14 screws.

**#3A:** Measure between the two post.

**#3B:** Cut the top and bottom railing profiles to size. check bottom rail for correct fit.

**#4A:** Assemble the rail by placing balusters in bottom rail, start from one end and place top rail on installed balusters, one at a time.

**#4B:** Secure top and bottom rails into brackets with supplied #14 screws.



**2.5" CORNER POST ALERT NOTE:**

**MANDATORY**, use template and predrill holes on one side, **BEFORE INSTALLING** the brackets.

**INSTALLING BRACKETS ON ONE SIDE BEFORE** marking or pre drilling the adjacent side **WILL PREVENT FLUSH INSTALLATION OF GUIDE TEMPLATE**

MAX Railing kits are packaged for secure and safe shipment. Rails and balusters are separated by a corrugated compartments and bracket kit is packaged securely and in the side compartment of the box unit.



## Overview Of Stair Instructions:

**#1:** Estimate your length and baluster placement by quick clamping the Stair section. Adjust Stair Section so that top and bottom balusters are symmetric to the posts.

**#2:** Mark your cut lines on top and bottom rail. Mark each rail end/bracket to designate correct placement after cutting to size.

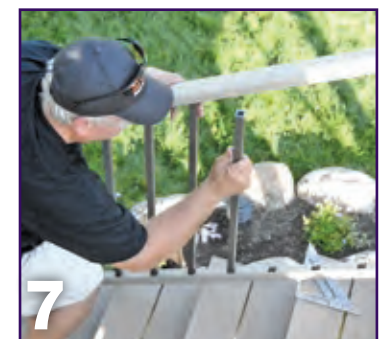
**#3:** Insert cut rails into **Bracket Cups and Backer Plates** and place between posts and mark backer plate placement.

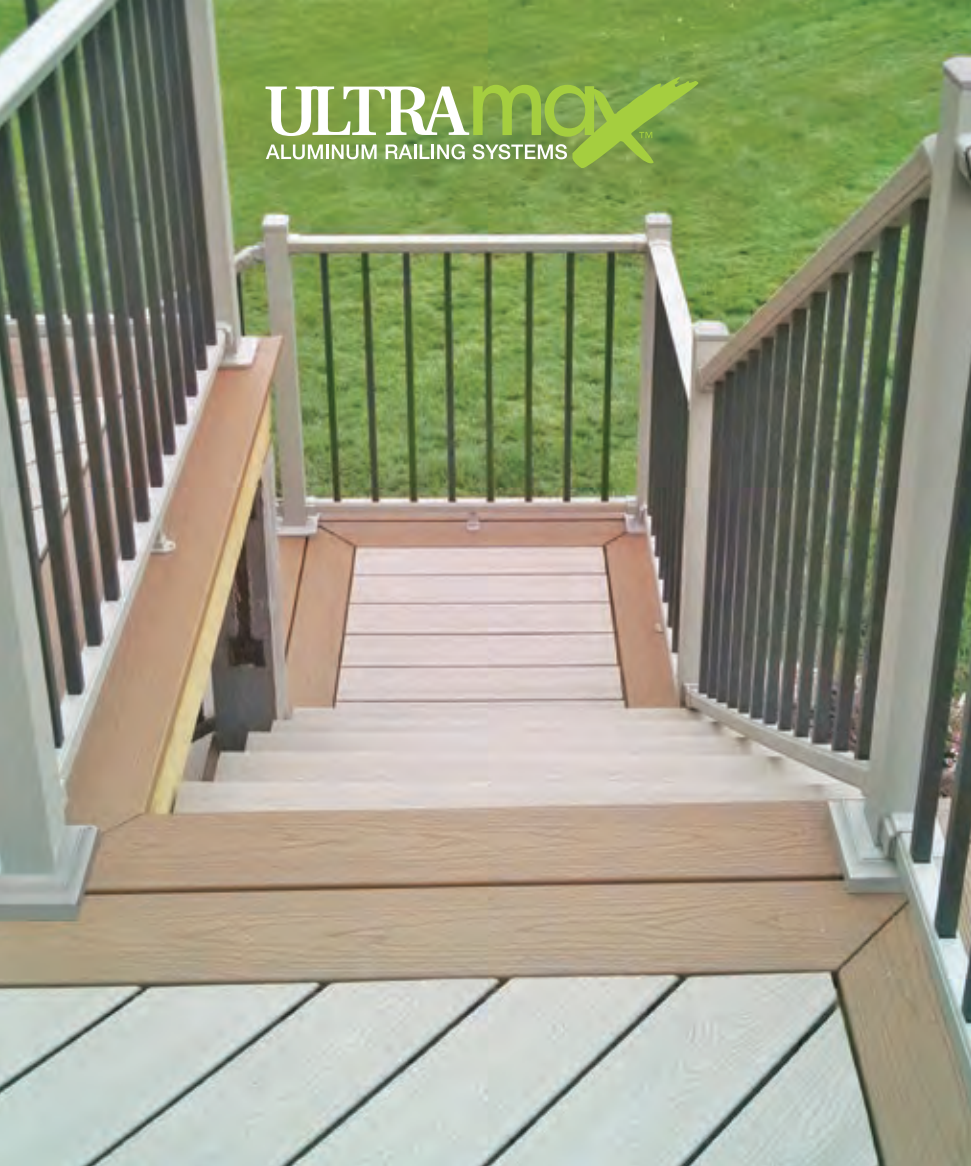
**#4:** Pre Drill and Fasten, using #14 screw, Backer Plate to the post.

**#5:** Attach **Bracket Cups** and Secure bottom rail.

**#6:** Place first baluster at first hole of bottom rail, Drop into place top Rail and fasten.

**#7:** Pivot top rail slightly and insert remaining balusters one at a time while lowering top rail onto each baluster. Secure and fasten.





### Ultra Max Lifetime Warranty

Ultra Aluminum railing products are guaranteed for life against defects in workmanship and/or materials.

The Powercoat™ finish on all railing by Ultra Aluminum is guaranteed for life against cracking, peeling or chipping. Visit our website for more information and a copy of the warranty.



### Environmentally Responsible

Ultra is proud to use recycled aluminum in our products. Aluminum is the most commonly recycled metal in the world. Our powder coating process is environmentally friendly and virtually pollution-free.



CODE COMPLIANCE



Intertek  
CCRR-0223



Manufactured By Ultra Aluminum Mfg., Inc.  
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