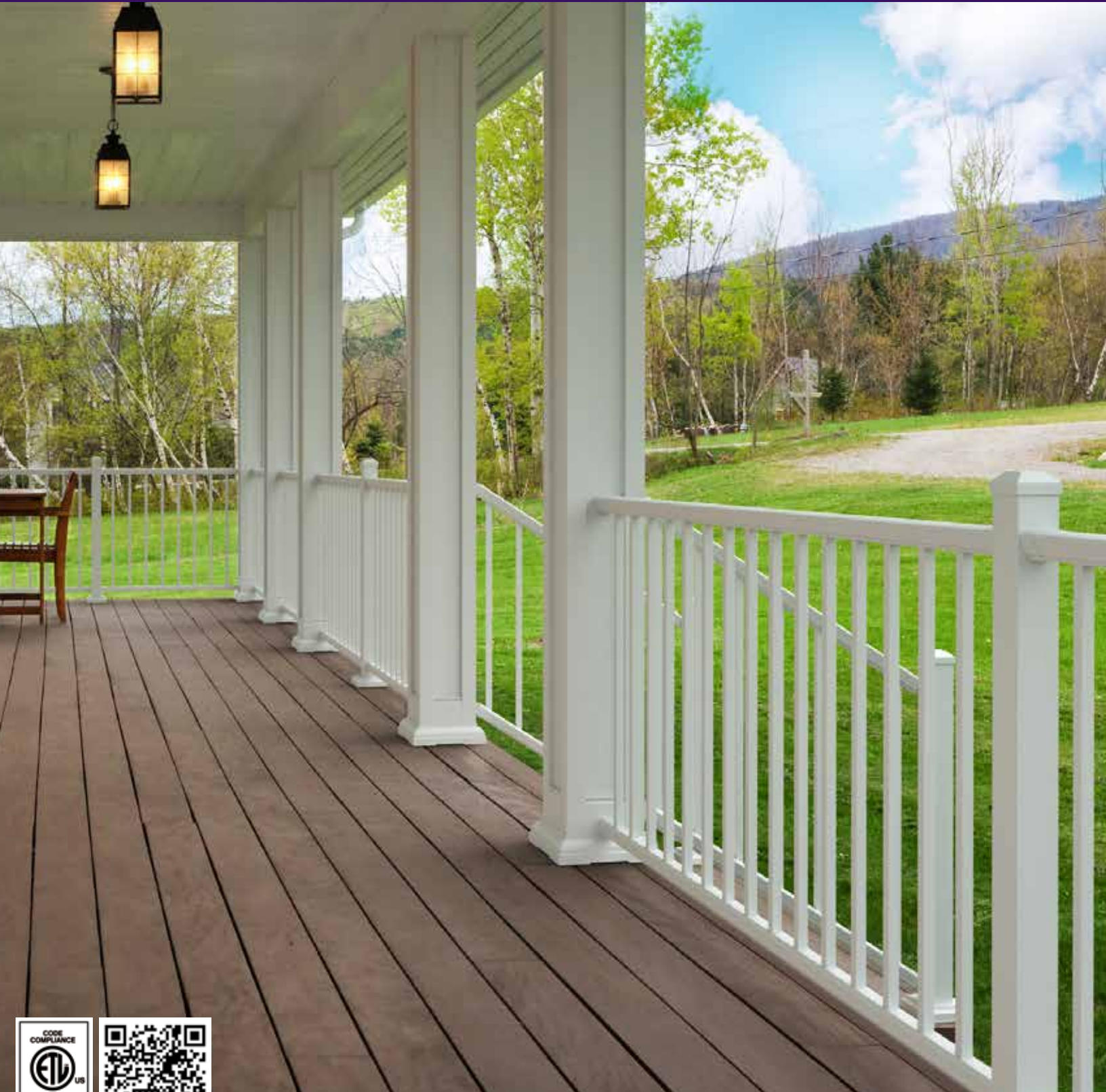# ULTRA maX®
ALUMINUM RAILING SYSTEMS

2021

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

Ultra Max® Ready-to-Build Railing Systems

ETL Intertek — CODE COMPLIANCE — CCRR-0278

CCRR Code Approved #0278

Ultra Max® Railing in 2-rail configuration in Textured Khaki

INSTALLATION VIDEOS

Subscribe to our YouTube Channel and check out our installation videos at www.youtube.com/channel/UCrbawEKcb24neS8UyXj5nfg

Level Railing Kits	Stair Kits	Post Kits	XacTemplate™

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

The Intertek Evaluation Process Mark means that Ultra Max™ railing components are tested and conform to IRC-IBC building codes. It also ensures the ongoing verification of compliance—with quarterly reviews and inspections.

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

Ultra Max® offers an elegant handrail profile, with a 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

CCRR Code Approved #0278

ULTRA Max
ALUMINUM RAILING SYSTEMS

Simple

Simple installation is the key design element to the new Ultra Max® Railing Systems. Our XacTemplate™ Installation Guide locates bracket placement quickly on every post. Simply screw brackets into place and drop your railing into the brackets.

Durable

Our exclusive 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 standards for the ultimate in durability and UV protection.

POWERCOAT

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. Column wraps are also offered to easily attach around wood porch posts or understructure to complement the look of your railing project.

Illumination

Firefly™ Illumination by Ultra Aluminum™ 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.

FiREFLY™
illumination by **ULTRA**

Strong

Our U-X-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 Ultra Max® Connector System allows for quick installation of balusters without any screws or spacers. It guides balusters in place and eliminates rattling noise.

Ultra Max® Connector System

.75"

Square

CODE COMPLIANCE
ETL US
Intertek
CCRR-0278
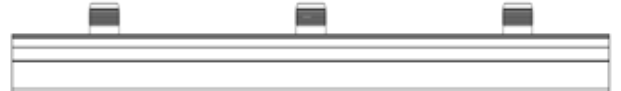
37" and 43" Square Baluster 2-Rail Level Railing Kits

All railing kits feature the Adams Profile and include:

Top and Bottom Rails, Balusters, Brackets and Fasteners
4 ft. kit sections are 48.25" wide (with 10 balusters); 6 ft. kit sections are 70.5" wide (with 15 balusters); 8 ft. kits are 97.25" wide (with 21 balusters), with brackets and 2" sweep
A Third Rail Kit (UAR-200 3R) is available by special order.

37" Square Baluster 2-Rail Railing Kits

MODEL NUMBER	DESCRIPTION
UMX-A200__ __-3648-2RLS	36" x 48" - 2 Rail Level Square Kit
UMX-A200__ __-3672-2RLS	36" x 72" - 2 Rail Level Square Kit
UMX-A200__ __-3696-2RLS	36" x 96" - 2 Rail Level Square Kit

43" Square Baluster 2-Rail Railing Kits

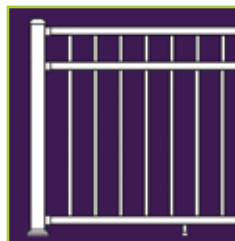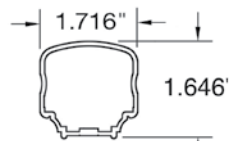| MODEL NUMBER	DESCRIPTION
UMX-A200__ __-4248-2RLS	42" x 48" - 2 Rail Level Square Kit
UMX-A200__ __-4272-2RLS	42" x 72" - 2 Rail Level Square Kit
UMX-A200__ __-4296-2RLS	42" x 96" - 2 Rail Level Square Kit

Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW
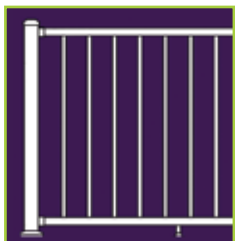
UMX-200 2R Two Rail

UMX-200 3R Three Rail

1.716"   1.646"   Top Rail
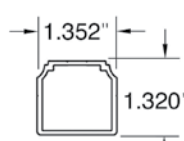
1.352"   1.320"   Bottom Rail

Top Bracket
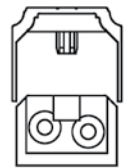
Bottom Bracket

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

MODEL NUMBER	DESCRIPTION	ADDITIONAL
UMX-KAL-2P111-__ __	Level Bracket Pack	4 brackets w/screws & foot-block
UAR-KAV-111S-__ __	Stair Vertical Rail End Pack	4 brackets w/screws
UAR-KAH-111H-__ __	Horizontal Rail End Pack	4 brackets w/screws
UAR-FBK01-__ __	Footblock Kit	3/4" baluster 2" with screws & shoe
UMX-IGT-ATB	Install Guide Template Kit	One T-30 Bit

3-Rail Add-On Kits

To create a 3-Rail configuration for Level Railing, order the Level Mid Rail Kits below

MODEL NUMBER	DESCRIPTION
UMX-B1048LKIT-__ __-1RLS	48" Mid Rail Kit (2 pc) w/ 2 Universal Bottom Brackets & Screws
UMX-B1070LKIT-__ __-1RLS	72" Mid Rail Kit (2 pc) w/ 2 Universal Bottom Brackets & Screws
UMX-B1097LKIT-__ __-1RLS	96" Mid Rail Kit (2 pc) w/ 2 Universal Bottom Brackets & Screws

To create a 3-Rail configuration for Horizontal Railing, order the Horizontal Mid Rail Kits below

MODEL NUMBER	DESCRIPTION
UMX-B1048HKIT-__ __-1RLS	48" Mid Rail Kit (2 pc) w/ 2 Horizontal Bottom Brackets & Screws
UMX-B1070HKIT-__ __-1RLS	72" Mid Rail Kit (2 pc) w/ 2 Horizontal Bottom Brackets & Screws
UMX-B1097HKIT-__ __-1RLS	96" Mid Rail Kit (2 pc) w/ 2 Horizontal Bottom Brackets & Screws

To create a 3-Rail configuration for Stairs, order the Stair Mid Rail Kits below

MODEL NUMBER	DESCRIPTION
UMX-B1070VKIT-__ __-1RLS	72" Mid Rail Kit (2 pc) w/ 2 Vertical Bottom Brackets & Screws
UMX-B1097VKIT-__ __-1RLS	96" Mid Rail Kit (2 pc) w/ 2 Vertical Bottom Brackets & Screws

37" and 43" Square Baluster 2-Rail Stair Kits

All railing kits feature the Adams Profile and include:
Top and Bottom Rails, Balusters, Stair Hinges and Fasteners which allows adjustments to follow practically any stair angle.
6 ft. kit sections are 70.5" wide; 8 ft. kits are 97.25" wide

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

37" Square Baluster 2-Rail Railing Kits

MODEL NUMBER	DESCRIPTION
UMXFS-A200__ __-3672-2RLS	36" x 72" - 2 Rail Stair Square Kit
UMXFS-A200__ __-3696-2RLS	36" x 96" - 2 Rail Stair Square Kit

43" Square Baluster 2-Rail Railing Kits

MODEL NUMBER	DESCRIPTION
UMXFS-A200__ __-4272-2RLS	42" x 72" - 2 Rail Stair Square Kit
UMXFS-A200__ __-4296-2RLS	42" x 96" - 2 Rail Stair Square Kit

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

Top Rail   Bottom Rail
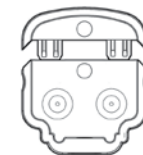
Colors

Ultra Max® Railing, Gates and Accessories are available in four classic textured finish colors. They are all applied with an exclusive Ultra Powercoat™ finish to resist harsh weather and the sun.

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

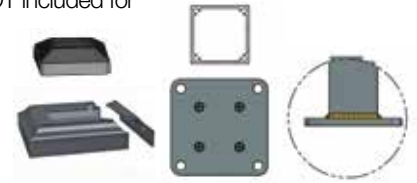Textured Black   Textured Bronze   Textured Khaki   Textured White

2.5" Residential Post Kit

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

Includes: cap, post, .375" flange, flange cover, and 2 wedges. Fastening hardware NOT included for wood or concrete applications.

MODEL NUMBER	DESCRIPTION	ADDITIONAL
UMXP-25100-38-__ __	Post 2.5" x 2.5" x 38"	With mount & flange cover
UMXP-25100-44-__ __	Post 2.5" x 2.5" x 44"	With mount & flange cover
UMXP-25100-54-__ __	Post 2.5" x 2.5" x 54"	With mount & flange cover

.375" Flange

2.5" Blank Post

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

MODEL NUMBER	DESCRIPTION	ADDITIONAL
FB-25-100-X-48-__ __	Post 2.5" x 2.5" x .100 x 48"	With cap only
FB-25-100-X-72-__ __	Post 2.5" x 2.5" x .100 x 72"	With cap only

CODE COMPLIANCE
ETL US
Intertek
CCRR-0278

3" Commercial Post Kit

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

Includes: cap, post, .500" flange, flange cover, and 2 wedges. Fastening hardware NOT included for wood or concrete applications.

MODEL NUMBER	DESCRIPTION	ADDITIONAL
UMXP-C6-30125-38-__ __	Post 3" x 3" x 38"	With mount & flange cover
UMXP-C6-30125-44-__ __	Post 3" x 3" x 44"	With mount & flange cover
UMXP-C6-30125-54-__ __	Post 3" x 3" x 54"	With mount & flange cover
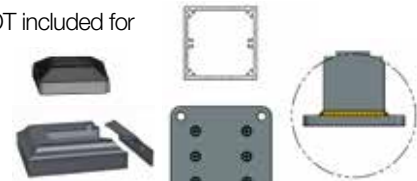
.500" Flange

4" Post Sleeve   Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW

Cap and Skirt sold separately.

MODEL NUMBER	DESCRIPTION
UMXP-40125-38-__ __	Post Sleeve 4" x 4" x 38"
UMXP-40125-44-__ __	Post Sleeve 4" x 4" x 44"
UMXP-40125-54-__ __	Post Sleeve 4" x 4" x 54"

Caps, Flange Covers and Accessories

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

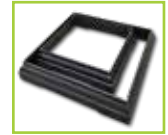| MODEL NUMBER	DESCRIPTION	ADDITIONAL
HCP-20-__ __	2" Cap	1 each
HWC-420-__ __	2" Flange Cover (skirt)	1 each
HCP-25-__ __	2.5" Cap	1 each
HWC-525-__ __	2.5" Flange Cover (skirt)	1 each
HCP-30-__ __	3" Cap	1 each
HWC-530-__ __	3" Flange Cover (skirt)	1 each
HCP-40-__ __	4" Cap	1 each
HWC-400-__ __	4" 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
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

MODEL NUMBER	DESCRIPTION	ADDITIONAL
CO-8020-550- __ __	6" Pyramid	1 piece
CO-8030-550-__ __	6" Classic Newel Cap	2 pieces
CO-8040-__ __	6" Column Base/Skirt	1 piece
CO-8080-__ __	8" Column Base/Skirt	1 piece
UARCW-9441-03-__ __	3" Column Wrap Raised Panel Look	8 pieces
UARCW-9441-04-__ __	4" Column Wrap Raised Panel Look	8 pieces

Newel Kits - .080" Wall Thickness
(Installed Over Wood) Enter Color Code when ordering:
Black: TB / Bronze: TZ / Khaki: TK / White: TW

MODEL NUMBER	DESCRIPTION
UARN-66100-40-_ _	Newel Post 6" x 6" x 40" with Cap, Base and 8 Column Lok Inserts
UARN-66100-46-_ _	Newel Post 6" x 6" x 46" with Cap, Base and 8 Column Lok Inserts

Fastening Hardware NOT included. 3" Column Loks set of 8 Included in NEWEL KIT,
create a raised panel. 6" Skirts/Bases are 1 piece.

Fastening Hardware for Substructure NOT included

Newel Kits - Surface Flange Mounted
Enter Color Code when ordering:
Black: TB / Bronze: TZ / Khaki: TK / White: TW

MODEL NUMBER	DESCRIPTION
UARN-66100WKIT-40-_ _	Newel Post Kit w/Welded Flange .375, 6" x 6" x 40" with Cap, Base and 8 Column Lok Inserts
UARN-66100WKIT-46-_ _	Newel Post Kit w/Welded Flange .375, 6" x 6" x 46" with Cap, Base and 8 Column Lok InsertsFastening

Fastening Hardware NOT included. 3" Column Loks set of 8 Included in NEWEL KIT,
create a raised panel. 6" Skirts/Bases are 1 Piece.

Fastening Hardware for Substructure NOT included
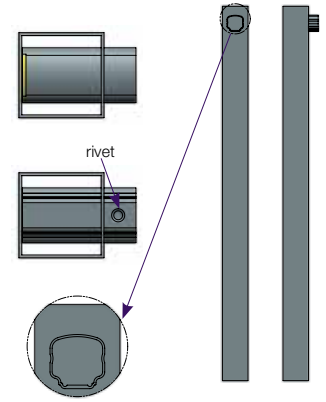
Signature Post To Post Walk Gates

Adams Gate Post Kit - Quick Ship
Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW

MODEL NUMBER	DESCRIPTION	ADDITIONAL
UMXGP-A2544KIT-_ _	2.5" x 44" Posts with Caps	2 pieces
UMXGP-A3044KIT-_ _	3.0" x 44" Posts with Caps	2 pieces

PURCHASE OF ULTRA MAX LEVEL RAILING KIT IS REQUIRED TO BUILD GATE.

Installation: Determine opening size. Mark and cut top and bottom rails. Drill out the rivet for placement into the gate pocket. Assemble the railing section and lay down. Insert top rail into gate pocket and mark post where the bottom bracket is aligned. Cut the post to 37" and install the bottom brackets where marked using the tek screw.

rivet

SPECIAL ORDER GATES

37" Adams Post To Post Walk Gates 2.5" Posts
Available in 36", 42" and 48" Widths. Call for lead times.
Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW

MODEL NUMBER	DESCRIPTION
UARG-A200_ _-2R-36XX-25	UAR-200 - 2 Rail
UARG-A200_ _-3R-36XX-25	UAR-200 - 3 Rail
UARG-A220_ _-3R-36XX-25	UAR-220 - 3 Rail
UARG-A250_ _-3R-36XX-25	UAR-250 - 3 Rail with Spears
UARG-A270_ _-3R-36XX-25	UAR-270 - 3 Rail

35" panel height, 2" sweep (hardware sold separately). WALK GATES - Standard-3 5/8" Picket Spacing. Enter length in XX. CHOOSE 36, 42, 48. Also available in 3" Posts.

43" Adams Post To Post Walk Gates 2.5" Posts
Available in 36", 42" and 48" Widths. Call for lead times.
Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW

MODEL NUMBER	DESCRIPTION
UARG-A200_ _-2R-42XX-25	UAR-200 - 2 Rail
UARG-A200_ _-3R-42XX-25	UAR-200 - 3 Rail
UARG-A220_ _-3R-42XX-25	UAR-220 - 3 Rail
UARG-A250_ _-3R-42XX-25	UAR-250 - 3 Rail with Spears
UARG-A270_ _-3R-42XX-25	UAR-270 - 3 Rail

41" panel height, 2" sweep (hardware sold separately). WALK GATES - Standard 3-5/8" Picket Spacing. Enter length in XX. CHOOSE 36, 42, 48. Also available in 3" Posts.
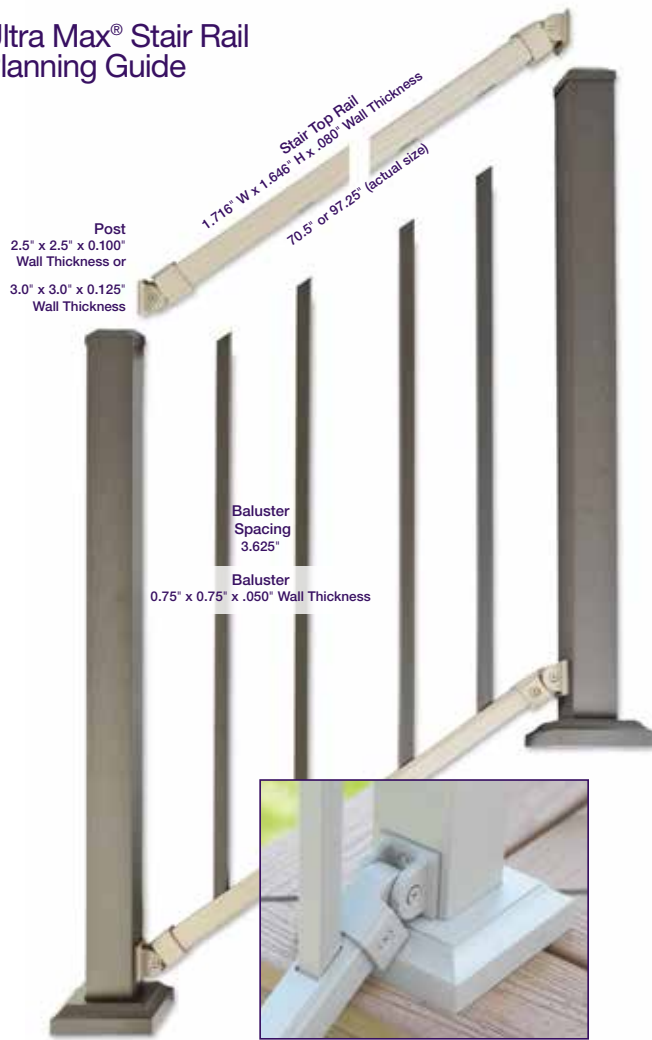
Ultra Max® Level Rail Planning Guide

Adams Top Rail
1.716" W x 1.646" H x .080" Wall Thickness

Post
2.5" x 2.5" x 0.100" Wall Thickness
or 3.0" x 3.0" x 0.125" Wall Thickness

4' Section: 48.25", 6' Section: 70.50", 8' Section: 97.25"

Baluster Spacing
3.625"

Baluster
0.75" x 0.75" x .050" Wall Thickness

2.0"

Footblock

Adams Bottom Rail
1.352" W x 1.320" H x .080" Wall Thickness

Cap

Top Rail Bracket

Bottom Rail Bracket

Flange Cover

Ultra Max® Stair Rail Planning Guide

Post
2.5" x 2.5" x 0.100"
Wall Thickness or
3.0" x 3.0" x 0.125"
Wall Thickness

Stair Top Rail
1.716" W x 1.646" H x .080" Wall Thickness

70.5" or 97.25" (actual size)

Baluster Spacing
3.625"

Baluster
0.75" x 0.75" x .050" Wall Thickness

Cap and Top Stair Bracket

Bottom Rail Bracket and Flange Cover

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.

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

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.

FiREFLY™
illumination by ULTRA

Ultra Firefly™ Railing Illumination makes it simple to light the night alongside your porches, walkways and decks.

New Firefly™ is an integrated low-voltage LED lighting system that is designed to provide a soft glow to your paths from under your Ultra Max railing post caps. We've made it easy to add light and excitement to your new railing system with a complete kit with easy-to-follow instalation instructions.

Firefly Kit includes:
- 1 Outdoor DC output transformer w/ Quick Connect lead
- 1 timer/photo cell
- 1 dimmer with remote control
- 1 9' Quick Connect wire
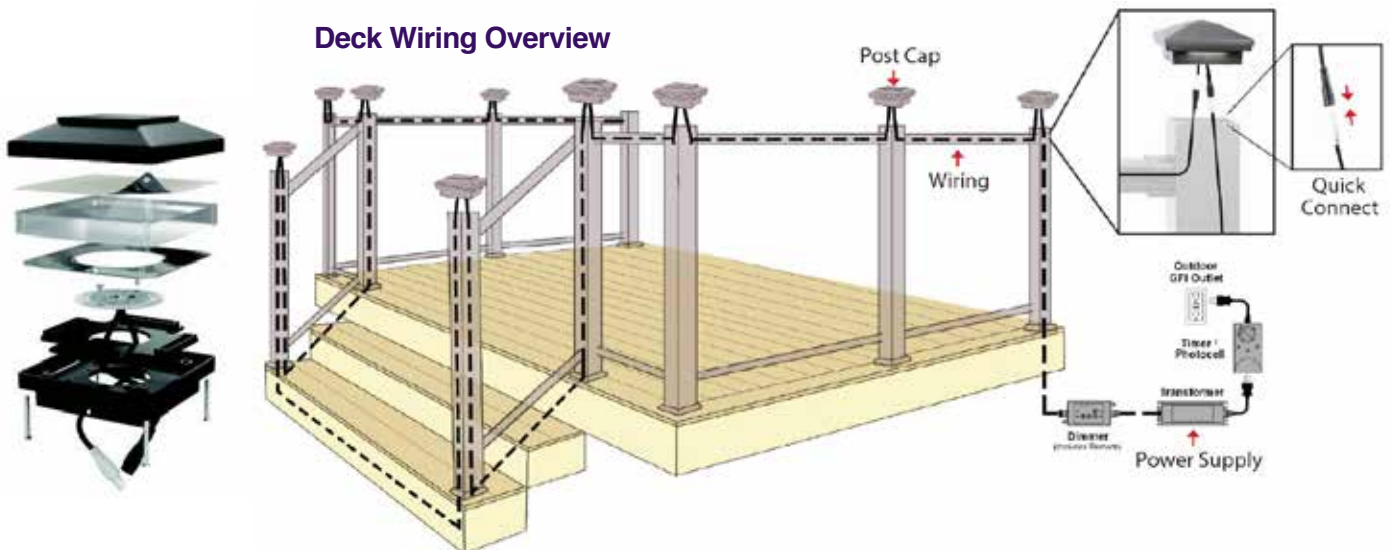- Dimmer draws 2.5 watts

Uses 1.8 Watts
UARL-LV25KBL

Uses 3.8 Watts
UARL-LV25KDL

Firefly Lighting is 3500K
Which Displays as
"Warm White Light"

2200K	3000K	3500K	4100K	5000K	6500K
WARM					**COOL**

Soft White, Warm White	Neutral White, Cool White	Daylight
Ideal for most indoor applications.	Good for kitchens and work spaces.	(think blue sky at noon) Good for reading.

Deck Wiring Overview

Post Cap

Wiring

Quick Connect

Outdoor GFI Outlet

Timer / Photocell

Transformer

Dimmer (Includes Remote)

Power Supply

1.5" Secondary Handrail Systems
This system works perfectly with Ultra Signature™ and Ultra Max® Railing

Ultra Signature™ 1.5" secondary handrail is a modular system designed to meet the railing code requirements for the Americans with Disabilities Act and Uniform Federal Accessibility Standards. The advanced mechanical design of the system allows you to assemble the individual parts and kits with no on-site welding. All materials are aluminum and will not rust.

Ultra 1.5" Secondary Handrail System and Accessories
Enter Color Code when ordering: Black: TB / Bronze: TZ / Khaki: TK / White: TW

ACC. MODEL NUMBER	DESCRIPTION
UARA-10493-1596-__ __	1.5" Secondary Rail 96" (8' max length)
UARA-10493-PLKIT -__ __	1.5" Secondary Rail P-Loop Kit
UARA-10493-INCK -__ __	1.5" Secondary Rail 90° In/Out-Bend Radius
RHG15-JFMKIT-__ __	1.5" Floor/Wall Mount Kit
RHG15-ILB-TB-__ __	1.5" Secondary Rail In-Line Bracket w/screws
RHG15-SJKIT-__ __	1.5" Sec Rail Bracket 2 pc Swivel Kit (2-joiners, 2 rings)
RHG15-JIRKIT-__ __	1.5" Sec Rail Joiner Insert w/1- ring & screw
RHG15-90KIT-__ __	1.5" Sec Rail 90° ELBOW w/1-joiner and 1-ring
RHG15-OCBKIT-__ __	1.5" Sec Rail Outside Corner Kit
RHG15-ICBKIT-__ __	1.5" Sec Rail Inside Corner Kit
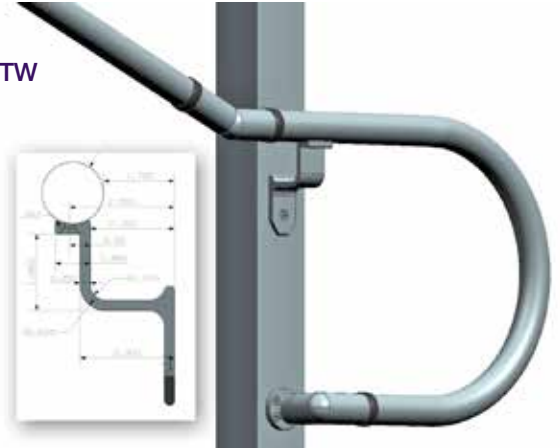
Ultra Aluminum™ has designed our secondary handrail system to blend seamlessly with all our railing designs, offering an extra level of safety, strength and accessibility for any building, deck or porch.

Made with a high-quality powder-coated finish that is AAMA-2604 compliant, our components resist fading, chipping and corrosion. Brackets include fasteners for aluminum post installations. Aluminum rings hide railing seams for a smooth transition between components, and aluminum end caps conceal open rail ends.

Rail Bracket
RHG15-ILBKIT

Rail Ring + Joiner Insert
RHG15-JIRKIT-

Swivel Joiner Kit
RHG15-SJKIT-

Floor/Wall Mount Kit
RHG15-JFMKIT-

90° Wall Return Kit
RHG15-90KIT-

P-Loop Kit
UARA-10493-PLKKIT-

Inside Corner Kit
RHG15-ICBKIT-

Outside Corner Kit
RHG15-OCBKIT-

ULTRAMAX
ALUMINUM RAILING SYSTEMS

Ultra Aluminum™ Lifetime Warranty

Ultra Max™ Aluminum fence and railing products are guaranteed for life against defects in workmanship and/or materials. The exclusive Powercoat™ finish on all railing by Ultra Aluminum™ is unconditionally guaranteed for life against cracking, peeling or chipping. Visit our website for more information and a copy of the warranty.

Environmentally Responsible

Ultra Aluminum™ 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.

Ultra Aluminum Manufacturing has a quality control system in place and has been qualified as an approved fabricator under the Intertek CCRR evaluation report. Our process minimizes errors in railing production sent to our customers, and ensures the quality of welds, alloys and materials used for our railing systems. Intertek performs quarterly inspections to also ensure the use of their QC controls and logo/marks are maintained and followed.
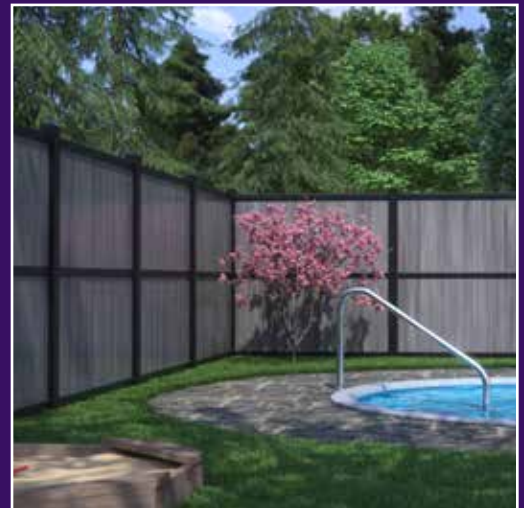
The Ultra Max™ Railing system utilizes a strong architecturally-pleasing design— the outer rail provides a secure hand grip with a sleek, hidden-fastened look. All railing panels are available in standard 6' and 8' widths. Shorter panels can be provided from the factory, or field trimmed to meet exact measurements on-site.

POWDER TOUGH COATED
Stronger. Greener. Better.

CODE COMPLIANCE
ETL us
Intertek
CCRR-0278

NADRA
North American Deck and Railing Association

AFA
MEMBER
American Fence
Association, Inc

ULTRACK   ULTRAMAX   Defender   Signature   eclipse   Estate Collection   eclipse v.p.   eclipse air

ULTRA
FENCING · RAILING

Manufactured By Ultra Aluminum Mfg., Inc.
www.ultramaxrailing.com | 800.656.4420

Ultra and the picket caps logo is a registered trademark of Ultra Aluminum Manufacturing Inc.

Eclipse VP™ Privacy Fence

Eclipse VP™ privacy screening combines the strength of extruded aluminum posts and caps, and top, middle and bottom rails, with channels to hold rich variegated-color vinyl panel inserts This system is available in 8' widths with 6' heights.

Ultra Aluminum™ Arbor

Our Ready-To-Build aluminum arbor can be an architecturally appealing, long-lasting addition to your garden or backyard.

Ultra Aluminum™ Low Maintenance Garden Arbors are made in America out of strong aluminum alloys, with advanced powder coating that is twice as hard as typical baked enamel finishes.

- All aluminum components
- Never needs painting
- Won't rust, rot, crack or peel
- Easy to install