



Decorators®
Go Beyond Ordinary



2015 PRO GUIDE

DECKING • RAILING • BALUSTERS • ACCESSORIES • POST CAPS • LIGHTING • LATTICE

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Go Beyond Ordinary.

For years, you've known Deckorators as the first name in deck railing and accessories. But for 2015, to enhance our line and make Deckorators your one-stop source for all your deck-building needs, we proudly introduce our new composite decking. Now you can count on Deckorators to be your single source for the quality products that make every aspect of a deck stand out from the rest. From the decorative post caps that add the crowning touch to any outdoor living space, to the finished look of lattice under-skirting, we've got deck necessities covered from top to bottom.

Also new for 2015, Deckorators offers the industry's first 25-year removal & replacement warranty on our decking and railing products. In fact, we stand behind our products with an entire family of warranties that rank among of the best of the best.

With Deckorators as your single source for the most exciting and innovative deck products—now offering the most comprehensive line in the industry—you can build more than just decks. You can build reputation for using the highest quality brand on the market and build your business too.

What's new for 2015?

DECKING

Deckorators proudly introduces a new line of composite decking products, all backed by our 25-year structural, 25-year stain & fade and 25-year removal & replacement warranties. The capped deck boards feature a solid profile and are available in three categories: Classic, Vista and Heritage.

ALX AND CXT CLASSIC RAILING

Customized railing options are a Deckorators specialty. The ALX Classic is an aluminum rail with a sleek, minimalist profile; while the CXT Classic can be used in two different ways to create two different looks, either Classic or Architectural.

CLIP LIGHTING

This exciting new low-voltage outdoor lighting system makes the installation of warm, LED lights as simple as plugging a clip into a junction box. Add accent lighting to the tops and sides of posts, rails and decks for nighttime ambiance. It's easier than you ever imagined.

LATTICE

Creative ways to use plastic lattice, indoors and out, make Deckorators black, white and our exclusive new paintable lattice irresistible for adding style, interest and fun to just about any project. Easily color-match our paintable lattice to customize your environment and perfectly suit your taste.

DECKORATORS CERTIFIED PRO PROGRAM

Our 2015 Deckorators Certified Pro program is designed to help grow your business by aligning you with the leader in decking, railing, post caps, accessories and lattice. Certified Pros receive:

- Preferred contractor listing on Deckorators.com
- Access to the Deckorators Pro-Only site
- Personalized Deckorators yard signs
- Sample kits
- Special promotions
- Hands-on training by a Deckorators representative
- Deckorators Rewards Program

Our new rewards program allows you to earn points for every Deckorators purchase you make. Use points to purchase Deckorators products, marketing materials, apparel or cash.

Warranties



Deckorators products are backed by an industry-leading warranty. Our new 25-year removal and replacement warranty is the first of its kind. We have you covered.



Decking and CXT Railing

- 25-year structural
- 25-year stain and fade
- 25-year removal and replacement



ALX Railing and Balusters

- Lifetime limited on manufacturing defects and powder-coating
- 25-year removal and replacement

Decking has arrived.



Deckorators decking is the next progression in composite technology. Our unique Strandex® extrusion process results in a stronger and more reliable deck board. By capping our board with some of the most durable polymer technology available, and embossing it with a realistic vertical woodgrain pattern, Deckorators decking provides an ultra-durable, ultra low-maintenance product that's the perfect combination of strength and style. Going beyond the ordinary is what Deckorators is known for, and it's why our decking warranty is the industry's best: 25-year structural, 25-year stain & fade and 25-year removal & replacement. Offering various style and color options that range from transitional to rustic, Deckorators decking truly is beyond ordinary.

DECKORATORS CLASSIC™ DECKING

For a traditional look, our solid color board features all the performance you expect from an ultra low-maintenance, capped composite deck board.

DECKORATORS VISTA™ DECKING

Variegated boards give the look of tropical hardwood with the performance of composite.

DECKORATORS HERITAGE™ DECKING

A weathered look and enhanced grain pattern accentuates the rustic undertones of our Heritage colors.

Hidden Fasteners

The Stowaway™ Hidden Fastener discreetly secures deck boards to joists with a single stainless steel, color-matched screw. The Stowaway screw comes preloaded, making the installation process faster, saving time and money. This system results in a beautiful, smooth and virtually fastener-free deck surface. Deck boards are automatically spaced at proper intervals, and the need for predrilling and countersinking are eliminated.



Stowaway Hidden Fastener

Deck Board Profiles

Slotted-edge decking gives an undisturbed, fastener-free appearance to the surface of your Deckorators board. The Stowaway fastener system correctly spaces your decking during installation to speed up the process.

The solid-edge board is perfect for use when board edges are visible, such as a picture-frame boards and stair treads. Solid boards should be facemounted with composite wood deck screws.



Decking Profiles
7/8" x 5-1/2"





25 YEAR
STAIN & FADE
25 YEAR
STRUCTURAL
25 YEAR
REMOVAL &
REPLACEMENT
LIMITED
WARRANTY

GET THIS LOOK Deckorators Classic™ Walnut decking with dark walnut CXT post sleeves, white CXT Pro Colonial Railing, black Classic balusters and dark walnut Stylepoint caps

Deckorators Classic™

Deckorators Classic Series offers traditional style and colors with the beauty of owning ultra low-maintenance decking. Available in 4 classic colors, gray, cedar, redwood and walnut, with a rich, vertical, embossed woodgrain pattern, these timeless designs are the perfect way to make the most of your outdoor living space. Backed by our 25/25/25 limited warranty, the personal touch you put on your deck is guaranteed to last.



Gray



Cedar



Redwood



Walnut



25 YEAR
STAIN & FADE

25 YEAR
STRUCTURAL

25 YEAR
REMOVAL &
REPLACEMENT

LIMITED
WARRANTY

GET THIS LOOK Deckorators Vista™ Rosewood decking

Deckorators Vista™

The variegated colors of our Vista decking offer a destination-feel for your backyard. Vista features the same embossing pattern as the Classic series for ultra-low maintenance. Available in slotted and solid boards and in four colors, Ashwood, Sandalwood, Rosewood and Kingwood, like all our decking, it's backed by our outstanding 25/25/25 limited warranty.



Ashwood



Sandalwood



Rosewood



Kingwood

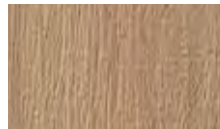


25 YEAR
STAIN & FADE
25 YEAR
STRUCTURAL
25 YEAR
REMOVAL &
REPLACEMENT
LIMITED
WARRANTY

GET THIS LOOK Deckorators Heritage™ Milled Maple decking with satin black ALX Classic railing and black Classic balusters

Deckorators Heritage™

With unique variegation and an enhanced grain pattern, Deckorators Heritage decking provides a one-of-a-kind look for composite decking. Our decking is capped on three sides for an ultra low-maintenance surface with durable performance, and it's offered in two colors: Milled Maple and Barrel-aged Oak. Available in both slotted and solid-edge profiles and it's backed by our 25/25/25 limited warranty.



Milled Maple



Barrel-aged Oak

CXT Classic and Architectural Railing

NEW
2015

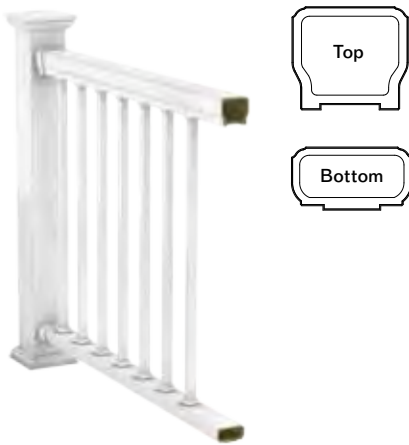
Co-extruded from two layers of material, our CXT railing systems combine the dependability of Strandex® technology on the interior with an ultra low-maintenance exterior cap stock, providing ultra scratch- and weather-resistance – and boasting our 25/25/25 warranty. Our newest CXT railing system offers unmatched versatility by using one rail profile to create two unique looks—a timeless Classic rail or a more robust Architectural rail. Available in three colors, 36" and 42" heights, and 6' and 8' section lengths, these rails are compatible with nearly all Deckorators balusters. Mix-and-match the Classic and Architectural rails with our CXT post sleeves, and a variety of post caps and balusters to create a look your clients will love. All rails come predrilled for proper baluster spacing.

COLOR SWATCHES



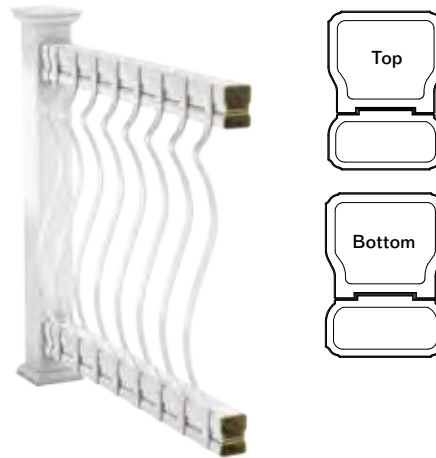
CHOOSE A RAIL PROFILE

CLASSIC



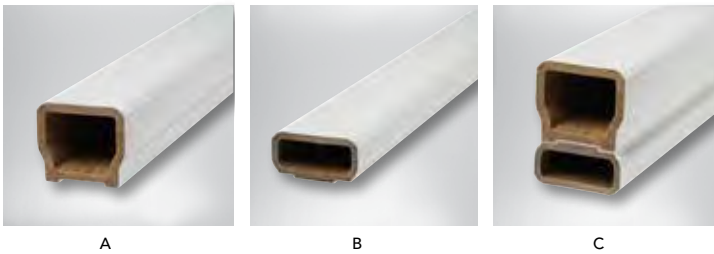
Use 1 top and bottom rail and Classic connectors, along with your choice of baluster.

ARCHITECTURAL



Use 2 top and bottom rails and Architectural connectors, along with your choice of baluster.

RAIL PROFILES



RAILING

Available in black, dark walnut and white

- A CXT Classic Top Rail Profile
6' and 8' lengths
- B CXT Classic Bottom Rail Profile
6' and 8' lengths
- C CXT Architectural Rail Profile (composed of 2 Classic Kits)
6' and 8' lengths

Compatible Components for all CXT Railing Systems

For post sleeves, trim and post caps, see options on page 11

CXT CLASSIC COMPLETE RAIL KITS

Rail kits include everything between the posts. Baluster connectors will come preinstalled to rail. Kits are available in black and white, and in 6', 8' and stair sections.



25 YEAR
STAIN & FADE

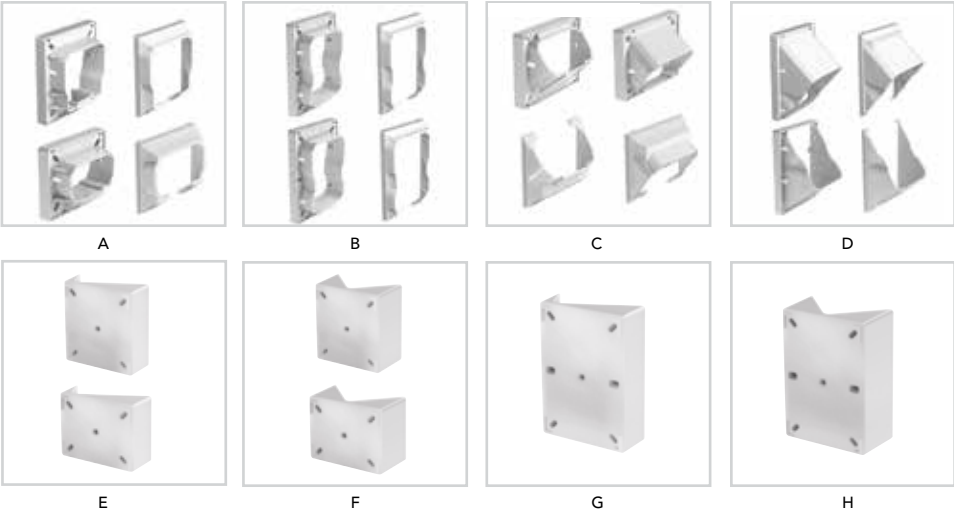
25 YEAR
STRUCTURAL

25 YEAR
REMOVAL & REPLACEMENT

LIMITED
WARRANTY

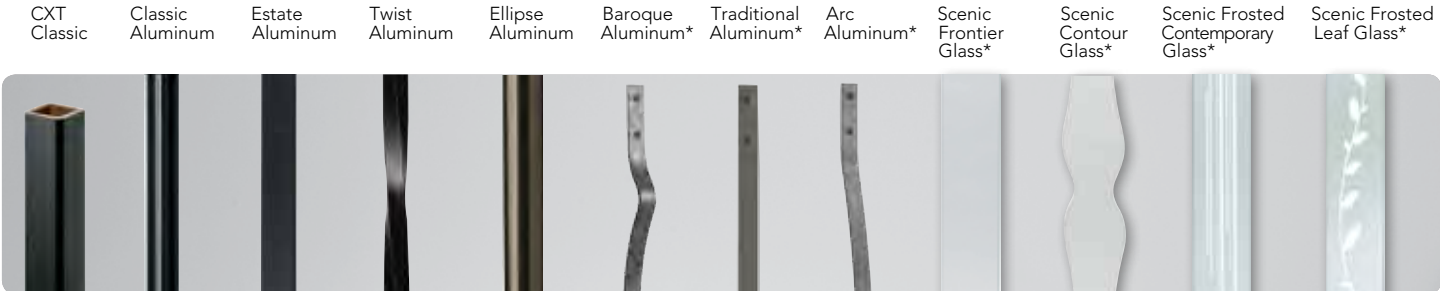
GET THIS LOOK Deckorators Heritage™ Barrel-aged Oak decking with white CXT Architectural railing, Frontier Scenic glass balusters and white Stylepoint post caps

RAIL CONNECTORS



- RAIL CONNECTORS**
Available in black, dark walnut and white
- A CXT Classic Line Connectors
 - B CXT Architectural Line Connectors
 - C CXT Classic Stair Connectors
 - D CXT Architectural Stair Connectors
 - E CXT Classic Angle Adaptors
Top and bottom shown; 22.5 degree angle
 - F CXT Classic Angle Adaptors
Top and bottom shown; 45 degree angle
 - G CXT Architectural Angle Adaptors
22.5 degree angle
 - H CXT Architectural Angle Adaptors
45 degree angle

COMPATIBLE BALUSTERS FOR CXT CLASSIC AND ARCHITECTURAL



See colors and sizes on pages 16-17

*Baroque, Traditional, Arc and Scenic glass options compatible for Architectural rail only.

CXT Pro Railing

Co-extruded from two layers of material for superior, long-lasting performance, CXT Pro mimics the look of painted wood, yet provides ultra scratch- and weather-resistance—all while boasting our 25/25/25 warranty.

Deckorators® CXT railing comes in three profiles, three classic colors, 36" and 42" heights, and 6' and 8' section lengths. Rails are predrilled to increase the speed of installation and take the guesswork out of baluster spacing. Railings are also available undrilled to accommodate glass baluster installation or unique infill designs.

The versatility of the CXT Pro Railing system allows for many different Deckorators

baluster options without the risk of voiding the warranty. Balusters compatible with this railing system include CXT Pro composite, Classic, Estate, Twist and Ellipse aluminum, and Scenic glass. Stylish baluster accessories, including Duo Connectors™, collars and centerpieces add more flair.

Post caps are available in a wide variety of styles to accent post tops and provide design flexibility. From simple and elegant to stylized and solar, there's a compatible Deckorators post cap to reflect every taste.



Colonial



Contemporary

COLOR SWATCHES



Black Dark Walnut White

CXT PRO COMPLETE RAIL KITS

Rail kits include everything between the posts. Baluster connectors will come pre-inserted in balusters. Kits are available in Colonial and Contemporary styles; in black and white; and in 6', 8' and 6' stair sections. 8' stair available in white Colonial and Contemporary profiles.

RAIL PROFILES

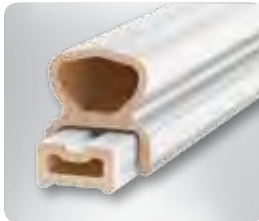
Colonial Rail
6' and 8' lengths



Contemporary Rail
6' and 8' lengths



Graspable Stair Rail
6' length



Lower Rail
Included in all kits



All profiles available in black, dark walnut and white



Hidden Fasteners

Our unique "U-Bracket" design makes installation easy and provides a clean, fastener-free appearance.

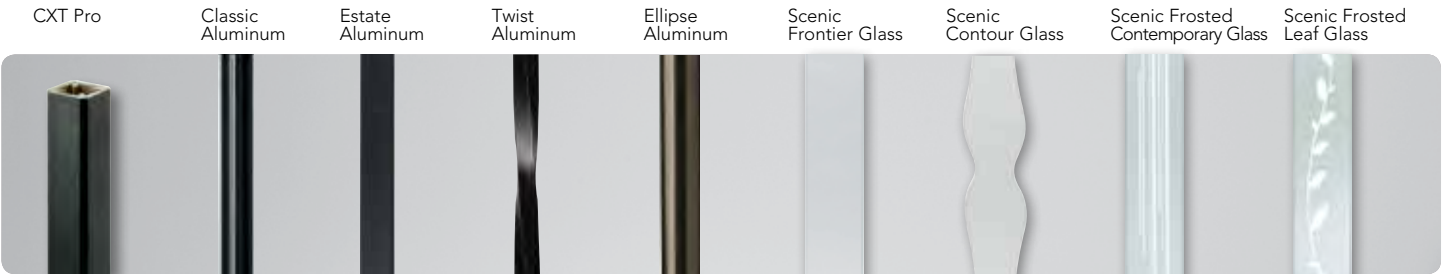


Stair hardware



Multi-angle rail hardware

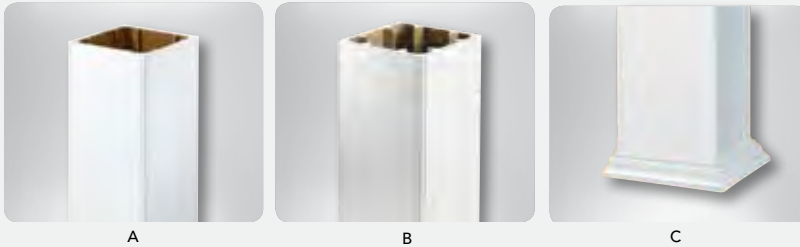
COMPATIBLE BALUSTERS FOR CXT PRO



See colors and sizes on pages 16-17

Compatible Components for all CXT Railing Systems

POST SLEEVES AND TRIM



POST SLEEVES & TRIM

Available in black, dark walnut and white

- A 4-9/16" Traditional 40", 54" and 115" heights
- B 5-1/2" Paramount 40" and 54" heights
- C 4-9/16" and 5-1/2" Classic Trim



POST CAPS

Available in black, dark walnut and white

Designer tip Use a Traditional post sleeve for standard railings. For a statelier look, use Paramount post sleeves at the end of stairways or long runs.

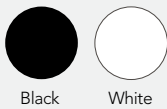
CXT POST CAPS

For use with Traditional post sleeves



Solar Square

COLOR SWATCHES



VERSACAPS™

See options on page 22

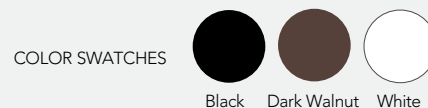
LOW VOLTAGE POST CAPS

See options on pages 24-25

STYLEPOINT POST CAPS



For a post cap that leaves a lasting impression.



ALX Classic

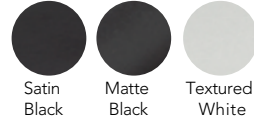
NEW
2015

Available in 6' and 8' lengths, and a 36" height, our new aluminum railing system comes in a variety of finishes to ensure your client's railing is exactly what they're looking for. The durable, yet minimal railing profile won't obstruct the view and rails come predrilled for proper baluster spacing. The narrow 2.5" posts anchor directly to the deck structure and include a matching post cap and base trim.



ALX Classic

AVAILABLE COLORS



LIFETIME LIMITED
MFG DEFECTS &
POWDER COATING
25 YEAR
REMOVAL &
REPLACEMENT
LIMITED WARRANTY

RAILING AND CONNECTORS



A



B



C



D

RAILING & BRACKETS

Available in satin black, matte black and textured white

- A Top Rail Profile
6' and 8' lengths
- B Bottom Rail Profile
6' and 8' lengths
- C Line Rail Brackets
Available in black and white
- D Stair Rail Brackets
Available in black and white

COMPATIBLE POST CAPS



2.5" Solar Post Cap
Available in black and white

LOW VOLTAGE POST CAPS

See options on pages 24-25

POST KITS



Assembled

Contents:
Post, Post
Cap and Post
Base Trim

ALX CLASSIC COMPLETE RAIL KITS

Rail kits include everything between the posts. Baluster connectors will come pre-installed to rail. Kits are available in satin black, matte black and textured white, and in 6' and 8' lengths with Classic or Estate balusters.

Did you know?

Our aluminum railing and balusters are powder-coated with AAMA2604-compliant material that provides five times the outdoor exposure protection and twice the humidity protection as AAMA2603.



GET THIS LOOK Deckorators Vista™ Ashwood decking with textured white ALX Classic Railing and textured white Estate balusters

COMPATIBLE BALUSTERS FOR ALX CLASSIC

Classic Aluminum

Estate Aluminum

Twist Aluminum

Ellipse Aluminum

Scenic Frontier Glass

Scenic Contour Glass

Scenic Frosted Contemporary Glass

Scenic Frosted Leaf Glass



See colors and sizes on pages 16-17

ALX Pro

Deckorators® aluminum railing offers a durable, black or white powder-coated finish designed to weather the elements. The railing system, with a robust profile and an eye-catching appearance, is available in 36" and 42" rail heights and both 6' and 8' lengths.

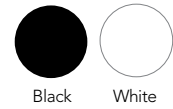
An innovative cap-and-insert system means cap rails snap into place without visible fasteners. Full 4x4 post sleeves slide over treated 4x4s for remodels or new projects. Rails are sold in mix-and-match kits and colors. Bracket kits are

available for stair rails and rail angles of 22.5 to 45 degrees. These aluminum railings are designed to work with all Deckorators baluster styles and are backed by a Lifetime Limited Warranty.

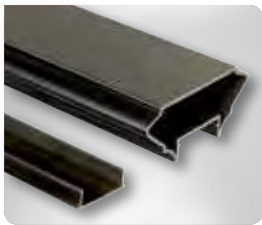


ALX Pro with Cap Rail

AVAILABLE COLORS



RAILING, CONNECTORS AND TRIM



Cap Rail and Insert Rail
6' and 8' lengths



2x4 Rail profile
6' and 8' lengths



Tropical Hardwood Cap Rail,
Insert Rail and 2x4 Rail



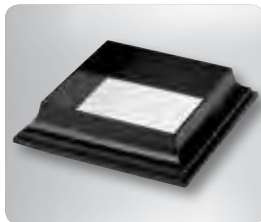
Rail and Stair Rail Connectors



Angle Wedge Kits



4x4 Post Sleeve
40-1/4" and 52" heights



4x4 Post Base Trim



Scan code to learn more about installing ALX Pro railing.

COMPATIBLE BALUSTERS FOR ALX PRO

Classic Aluminum

Estate Aluminum

Twist Aluminum

Ellipse Aluminum

Baroque Aluminum

Traditional Aluminum

Arc Aluminum

Scenic Frontier Glass

Scenic Contour Glass

Scenic Frosted Contemporary Glass

Scenic Frosted Leaf Glass



See colors and sizes on pages 16-17

POST CAPS FOR USE WITH ALUMINUM RAILING SYSTEM



Black Tiffany-style California Grape Black Tiffany-style Sunflower Black Solarband Black Copper Solarband Black Copper High Point Black Solar Copper Square



White Tiffany-style California Grape White Tiffany-style Sunflower White Solarband White Copper Solarband White Copper High Point White Solar Copper Square



Black Aluminum High Point Black Solar Black Oiled Bronze Black Antique Ivory



White Aluminum High Point White Solar White Oiled Bronze White Antique Ivory

Aluminum post caps, for use with Deckorators® 4x4 aluminum post sleeves, give a finishing touch to aluminum railing projects. Solar-powered post caps offer low-maintenance aluminum performance by day and a soft glow by night. Available in black or white, aluminum post caps are available in solar Copper Square, Solarband, Copper High Point, and Tiffany-style stained glass and hand-painted designs. Rechargeable batteries are included for solar styles.

LOW VOLTAGE ALUMINUM POST CAPS

Top off your railing with low-voltage post cap lights. Available in three styles with powder-coated black or white aluminum bases, each post cap light includes 3 LEDs, a 6' pigtail attachment wire, and a cable connector. For our complete low-voltage system, see pages 24-25.

Low Voltage Tiffany-style Mission



Black base

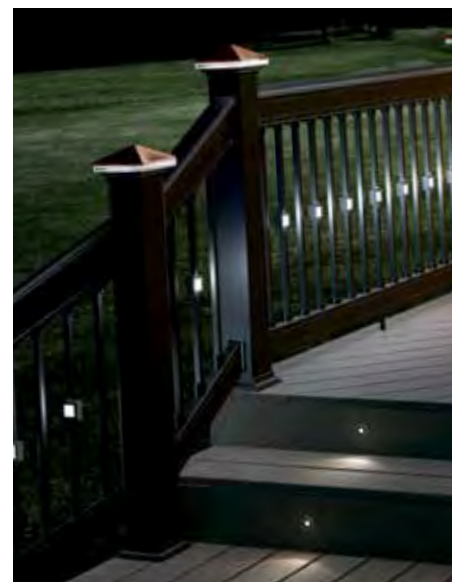
Low Voltage Copper Light Band



Low Voltage Light Band



White base



GET THIS LOOK Black aluminum railing and alternating black Estate and black Lighted Square balusters with black copper Light Band VersaCaps™ and Recessed Lighting Kit

DECORATIVE BALUSTERS

Deckorators® low-maintenance, easy-to-install aluminum and glass balusters offer several distinctive options. Classic aluminum balusters lend outdoor settings a sleek, contemporary feel. Baroque balusters give a European flavor and Arc balusters add graceful curves to your design. Estate balusters bring a modern touch to outdoor projects. For classic, geometric styling, Deckorators offers Traditional balusters.

Ellipse balusters feature an innovative shape allowing for a variety of infill patterns and square Twist balusters offer another stylish option to customize railings.

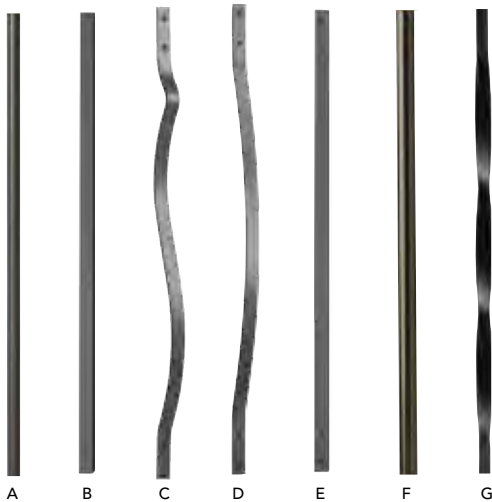
Create an outdoor "room with a view" using Scenic glass balusters. Beveled-edge hourglass Contour, straight Frontier and Frosted styles are made of 5/16"-thick tempered safety glass.



GET THIS LOOK

Western Red Cedar railing, black Estate balusters with black Estate connectors, and Frontier Scenic glass balusters with cedar Scenic connectors

ALUMINUM



SCENIC GLASS



CXT



ALUMINUM BALUSTER COLOR SWATCHES



CXT BALUSTER COLOR SWATCHES



Baluster Styles	Baluster Heights	Compatible Deckorators Railings						Available Colors							Connector Options			
		Wood	CXT Pro	CXT Classic	CXT Architectural	ALX Pro	ALX Classic	Black	Matte Black	Bronze	Textured Gray	White	Textured White	Copper	Weathered Brown	Dark Walnut	Clear Glass	
A. CLASSIC ALUMINUM	26" 29"* 32" 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•			Classic, Designer, Arched Duo
B. ESTATE ALUMINUM	26" 29"* 32"	•	•	•	•	•	•	•	•	•	•	•	•	•	•			Estate, Standard Estate, Square Duo
C. BAROQUE ALUMINUM	32.25" 40"	•			•	•		•		•		•						N/A - Balusters face-mount to rail
D. ARC ALUMINUM	32.25"	•			•	•		•		•								N/A - Balusters face-mount to rail
E. TRADITIONAL ALUMINUM	32" 40"	•			•	•		•		•								N/A - Balusters face-mount to rail
F. ELLIPSE	26" 32"	•	•	•	•	•	•	•		•								Ellipse
G. TWIST	26" 32"	•	•	•	•	•	•	•		•								Standard Estate, Square Duo
H. SCENIC FRONTIER GLASS	26" 29" 32"	•	•	•	•	•	•										•	Scenic Frontier
I. SCENIC CONTOUR GLASS	32"	•	•	•	•	•	•										•	Scenic Contour
J. SCENIC FROSTED CONTEMPORARY GLASS K. SCENIC FROSTED LEAF GLASS	26" 32"	•	•	•	•	•	•										•	Scenic Frontier
L. CXT CLASSIC	29" 35"			•				•				•				•		CXT Classic
M. CXT PRO	29" 35" 38"		•					•				•				•		CXT Pro**

*Available in black, white and bronze only
**Baluster connector pre-inserted into baluster



Innovative design

Install Ellipse balusters either parallel or perpendicular to rails to create customized infill options. Perpendicular installation offers optimal views, while parallel installation creates a traditional feel.



Black Ellipse

Connectors make installation quick and easy

Railing and baluster installation is a snap using Deckorators® connectors. Designed for form as well as function, connectors are available in a variety of styles and colors. And attaching railings to posts—at almost any angle—is equally quick and easy. Baluster accessories, such as baskets, collars and solar baluster lights, enhance the customization and personality of a rail.



RAILING CONNECTORS

- Quick, easy attachment of railings to posts.
- Durable plastic is predrilled for accurate attachment of 90° railings.
- Works with solid 2x4 composite and wood railings.
- Includes stainless steel screws.
- Multi-angle railing connectors available for installation of 22 to 45 degrees.
- Available in black, cedar, redwood, gray and mahogany.



FOR ESTATE BALUSTERS



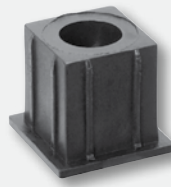
Estate Baluster Connector

- Secures Estate balusters to rails without routing holes.
- Includes stainless steel screws.
- One pack of 20 installs 10 balusters.
- Available in black, bronze and white.



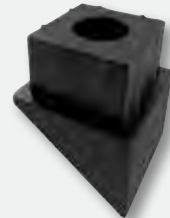
Estate Baluster Stair Adaptor

- Use with Estate Baluster Connectors.
- Made to fit a 35° stair angle.
- One pack of 20 installs 10 balusters.
- Available in black, bronze and white.



Standard Estate Baluster Connector

- Secures Estate and Twist balusters to rails without routing holes.
- Includes stainless steel screws.
- One pack of 20 installs 10 balusters.
- Available in black and white.



Standard Estate Baluster Stair Connector

- Made to fit a 35° stair angle.
- One pack of 20 installs 10 balusters.
- Available in black, white, gray and brown.



Estate Basket
4-3/8" h x 2-5/8" w



Estate Collar
1-3/4" h x 1-3/8" w

Baluster Accessories

- Adds a decorative accent to Estate balusters.
- Powder-coated finish.
- Slide over or mount to the baluster with the provided set screw.
- Available in black and bronze.



Square Duo Connector Stair Adaptor

- Easily installs underneath the Square Duo Connector for use on stairs.
- Set to a 35° stair angle.
- Two per pack.
- Available in black, bronze and white.



Square Duo Connector™

- Creates a look never before seen in aluminum railing systems.
- Offers flexibility to create unique designs.
- Two per pack.
- Available in black, bronze and white.

FOR ELLIPSE BALUSTERS



Ellipse Baluster Connector

- Secures Ellipse balusters to rails without routing holes.
- Includes stainless steel screws.
- One pack of 20 installs 10 balusters.
- Available in black and bronze.



Ellipse Baluster Stair Connector

- Use with Estate Baluster Connectors.
- Made to fit a 35° stair angle.
- One pack of 20 installs 10 balusters.
- Available in black and bronze.

FOR SCENIC BALUSTERS



Scenic Baluster Connector

- Secures Scenic balusters to rails.
- Creates a channel for the glass balusters and adds an elegant design component.
- Includes stainless steel screws.
- Two per pack, installs one baluster.
- Available in black, cedar, redwood, gray, mahogany, white and walnut.



Scenic Baluster Stair Connector

- Secures Scenic balusters to stair rails.
- Creates a channel for the glass balusters and adds an elegant design component.
- Set to a 35° stair angle.
- Includes stainless steel screws.
- Two per pack, installs one baluster.
- Available in black, cedar, redwood, gray, mahogany and white.

FOR CLASSIC BALUSTERS



Baluster Connector

- Secures Classic balusters to rails without routing holes.
- Includes stainless steel screws.
- One pack of 20 installs 10 balusters.
- Available in black, white and gray.



Stair Connector

- Works with stair angles between 30 and 35°.
- Includes stainless steel screws.
- One pack of 20 installs 10 balusters.
- Available in black, bronze, white gray and brown.



Designer Baluster Connector

- Combine with Classic balusters to create a moulded look.
- Includes stainless steel screws.
- One pack of 20 installs 10 balusters.
- Available in black, bronze and white.



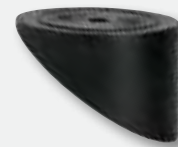
Arched Duo Connector™

- Creates a look never before seen in aluminum railing systems.
- Offers the ultimate flexibility to create unique designs.
- Two per pack.
- Available in black, bronze and white.



Arched Duo Connector Stair Adaptor

- Easily installs underneath the Arched Duo Connector for use on stairs.
- Set to a 35° stair angle.
- Two per pack.
- Available in black, bronze and white.



Designer Baluster Stair Adaptor

- Use with Designer Baluster Connectors.
- Made to fit a 35° stair angle.
- One pack of 20 installs 10 balusters.
- Available in black, bronze and white.

BALUSTER ACCESSORIES

Centerpiece Accessories

- Attach to Classic balusters.
- Gives deck railings stylish sophistication.
- Includes matching, self-drilling installation screws.
- Available in black and bronze.



Fleur-de-Lis
16-5/16" h x 7-1/4" w



Classical
14-3/4" h x 5-5/8" w



Nouveau
13-9/16" h x 7-3/8" w

Baluster Accessories

- Adds a decorative accent to Classic balusters.
- Powder-coated finish.
- Easily slides over or mounts to the baluster with the provided set screw.
- Basket and Collar are available in black, bronze and white.
- Solar Baluster Light is available in black and copper.



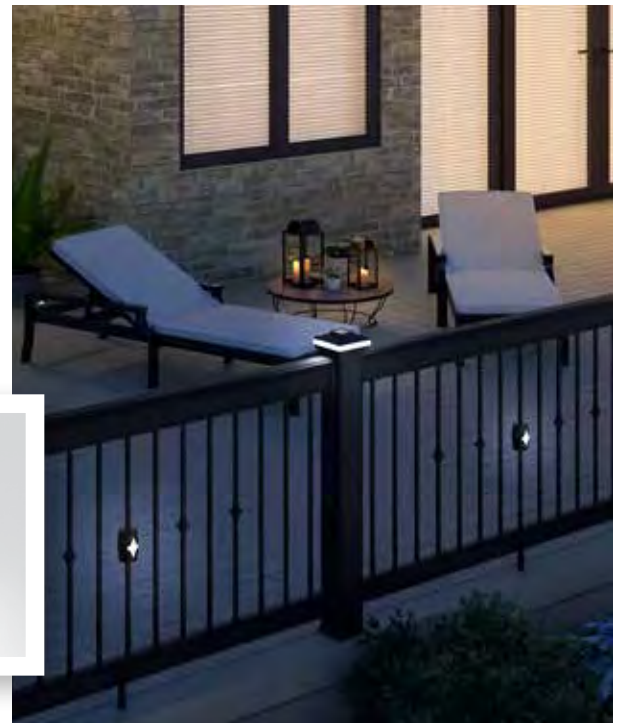
Classic Basket
4-3/4" h x 2-1/8" w



Classic Collar
1-3/4" h x 1-1/2" w



Solar Baluster Light
4-3/4" h x 2-1/8" w

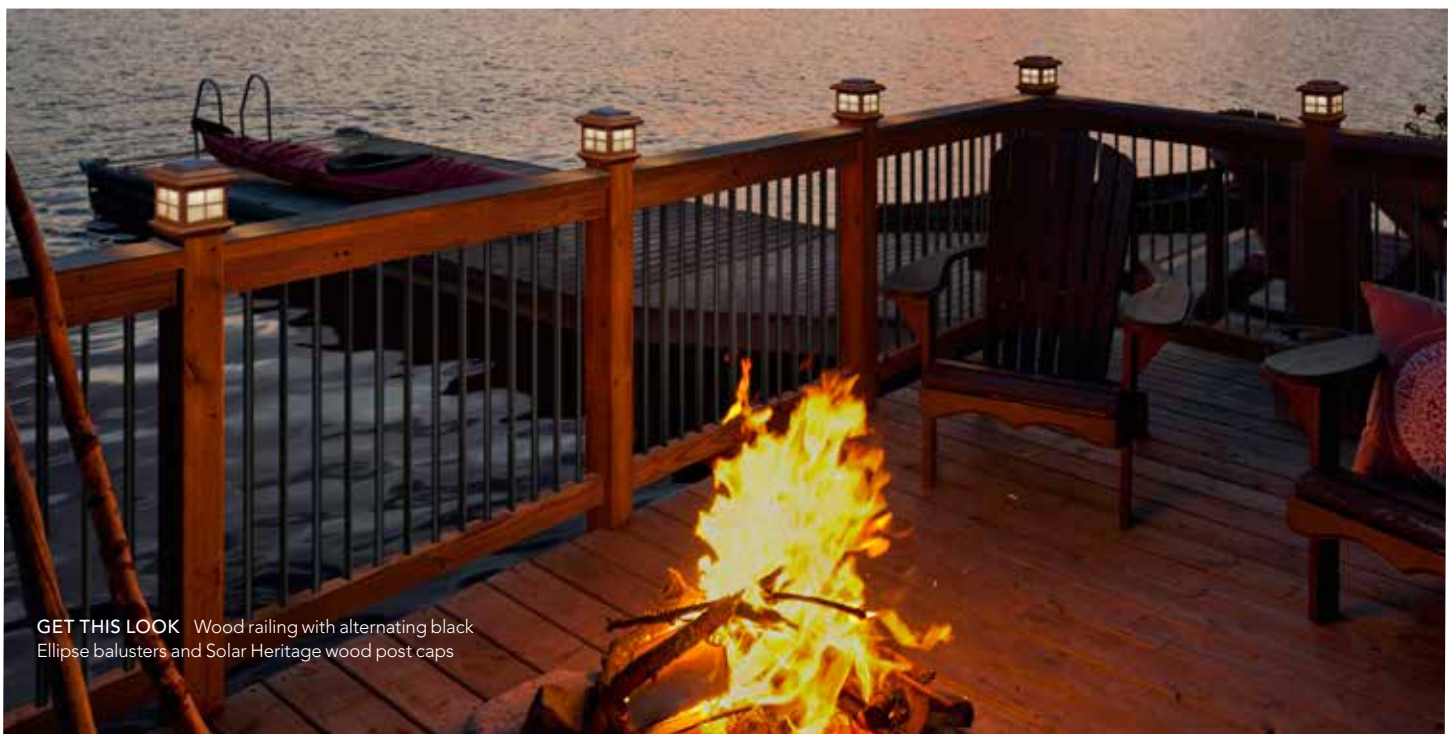
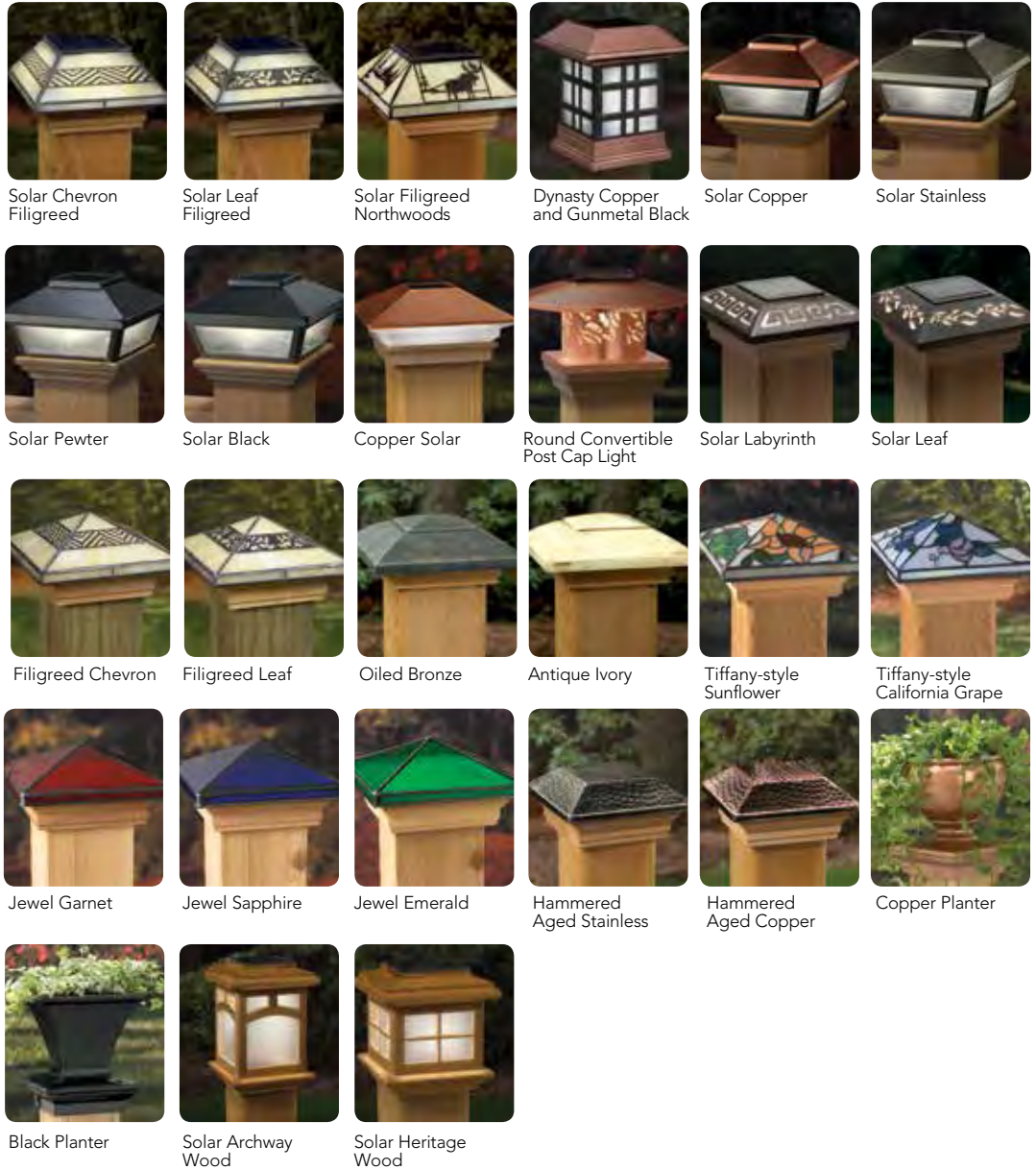


GET THIS LOOK Black aluminum railing with cap rail, black Classic balusters with Classic Collars and Solar Baluster Lights, and black Solarband post caps

DECORATIVE POST CAPS

Whether a deck design calls for illuminated or non-illuminated post caps—in jewel-toned glass or Tiffany-style, a filigreed motif, the warmth of the distressed look, or a planter—Decorators post caps add the crowning touch to any deck. With many decorative caps available in solar, you also can add night-time interest to outdoor spaces without wiring or electricity.

Planter, Tiffany-style and Jewel post caps are available in 4x4 (3-5/8" x 3-5/8" opening) and 6x6 (5-5/8" x 5-5/8" opening) sizes. Dynasty, Convertible and Solar post caps are available in 4x4 only. All post caps with wooden bases are offered with your choice of pressure-treated pine or cedar bases.



GET THIS LOOK Wood railing with alternating black Ellipse balusters and Solar Heritage wood post caps

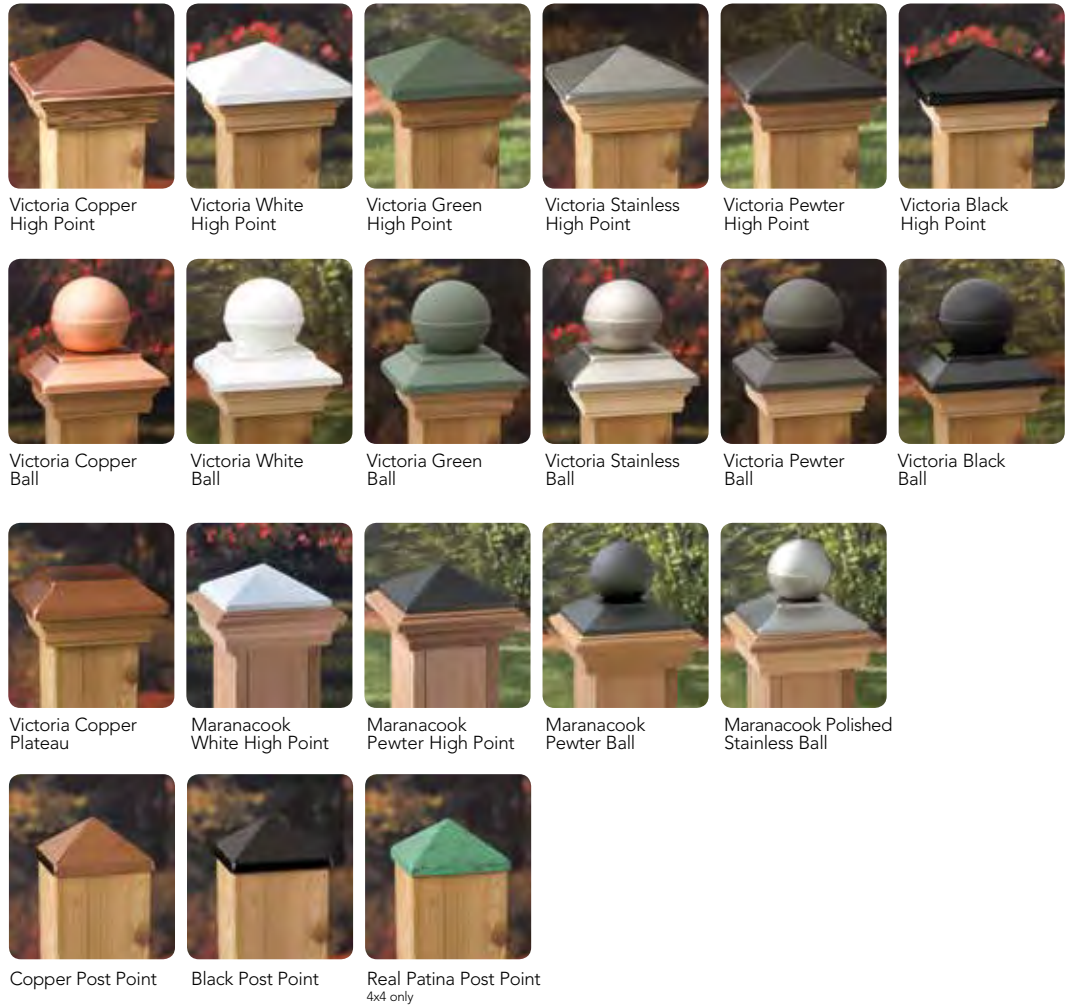
METAL POST CAPS

Victoria metal post caps offer unmatched durability and are available in High Point, Plateau and Ball styles, in several colors and finishes. The Maranacook line of metal post caps features enhanced Western Red Cedar moulding and fine metal styling. The post caps come in two sizes, two styles and five finishes, allowing plenty of distinctive, durable options for deck and porch projects.

Metal post caps are decorative and practical, and add a unique finishing touch and a timeless, custom look to decks, porches, fences, dock posts, signs, mailboxes and more.

Victoria post caps and post points available in 4x4 (3-5/8" x 3-5/8" opening) and 6x6 (5-5/8" x 5-5/8" opening).

Maranacook post caps are available in 5-5/8" x 5-5/8" and 6-1/8" x 6-1/8".



WOOD POST CAPS AND DECK TRIM

Newport and Hatteras wood post caps, constructed from the finest materials, offer protection from the elements and lasting style. Post base trim lends a finishing touch while hiding gaps between posts and decking.

All Newport and Hatteras Castine caps and trim available in 4x4 (3-5/8" x 3-5/8" opening) and 6x6 (5-5/8" x 5-5/8" opening). Hatteras Flat Top and Pyramid caps are available in 4x4 only.



DECORATIVE POST AND STAIR LIGHTS

Add ambiance to your deck and safety to your stairways with solar accent lights.



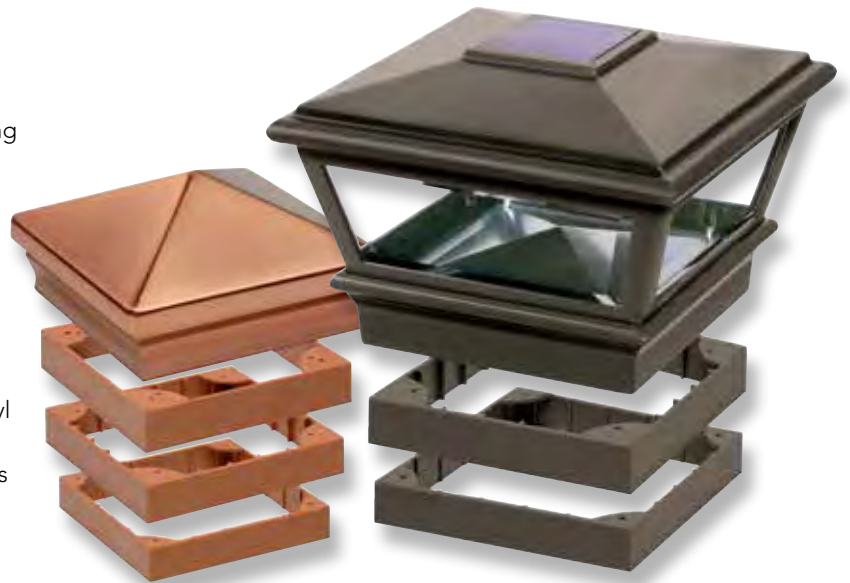
VersaCaps™: get the right fit

Add pizzazz to deck railings with decorative post caps—one of the most prominent features of any outdoor living space. Deckorators® VersaCaps let you top posts beautifully, no matter the size, with an array of styles and multiple colors.

Each 4x4 VersaCap comes with three removable collar inserts nested inside the base. Fit the cap snugly atop any post ranging from 3-1/2" to 4-5/8"

square by simply removing the necessary number of inserts. The 6x6 solar VersaCap includes two inserts to fit post sizes between 5" and 5-1/2" square.

VersaCaps add style to posts made of wood, vinyl or composite, and work with our CXT post sleeves and most leading post sleeves on the market.



4x4 Copper High Point
Includes three inserts to fit
post sizes up to 4-5/8"

6x6 Bronze Glass
Panel Solar Light
Includes two inserts to fit
post sizes up to 5-1/2"

High Point



White

Solarband Light



Black

Glass Panel Solar Light



Copper

COLOR SWATCHES



Black White Dark Walnut* Copper Bronze*

*Bronze and dark walnut available in Glass Panel Solar Light only.



GET THIS LOOK Dark walnut CXT Contemporary railing with white Paramount post sleeves, matte black Estate balusters and white 6x6 Solar VersaCaps

Low Voltage VersaCaps

Low-voltage VersaCaps eliminate the need to sacrifice the beauty of low-voltage lighting for a post cap that fits. Now you can have both. Experience the ambiance offered by LED accents on almost any size post while choosing the style that best fits your design.

For our complete Low-voltage system, see pages 24-25.

Low Voltage
Tiffany-style Mission



White

Low Voltage
Light Band



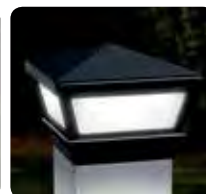
Low Voltage
Traditional



Low Voltage
Copper Light Band



Black



POSTCOVERS AND POSTCOVER CAPS

Decorators® is the industry's pioneer in ornamental covers for deck posts. Our postcovers are durable, water-resistant, hand-painted, fiberglass-reinforced concrete. Virtually maintenance-free and long-lasting, each postcover slips over a 4x4 or 6x6 cedar or treated post, measures 8" square, and comes in 42" and 53" heights.

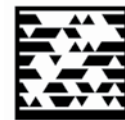
Postcovers easily integrate into most deck or porch designs, working equally well with wood, composite or vinyl railings. Rails connect to postcovers using rail connectors (sold separately).

GET THIS LOOK

Below: White aluminum railing with cap rail, alternating white Classic balusters with Arched Duo Connectors, and Gray Fieldstone postcovers with Gray Plateau postcover caps



Postcover caps are sold separately and can be mixed and matched with each postcover.



Scan code to learn more about installing postcovers.

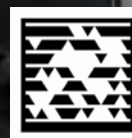


DECK STONES

Deck Stones feature premium-quality natural slate and granite to create unique additions to outdoor living areas. They feature a fastening hardware matrix that connects to the deck frame, interlocking structural panels into place without mortar or grout.



A Riverstone Granite B Smoke Slate



Scan code to learn more about installing Deck Stones.

DECORATIVE FASCIA CORNERS

Decorative fascia corners are a stylish way to dress up deck skirting and cover unsightly corner joints. The corners install easily with eight stainless steel screws (provided). Made of stainless steel and powder-coated black, they're offered in 7", 9" and 11" heights. Suitable for a variety of decking materials.



A Ridge B Leaf

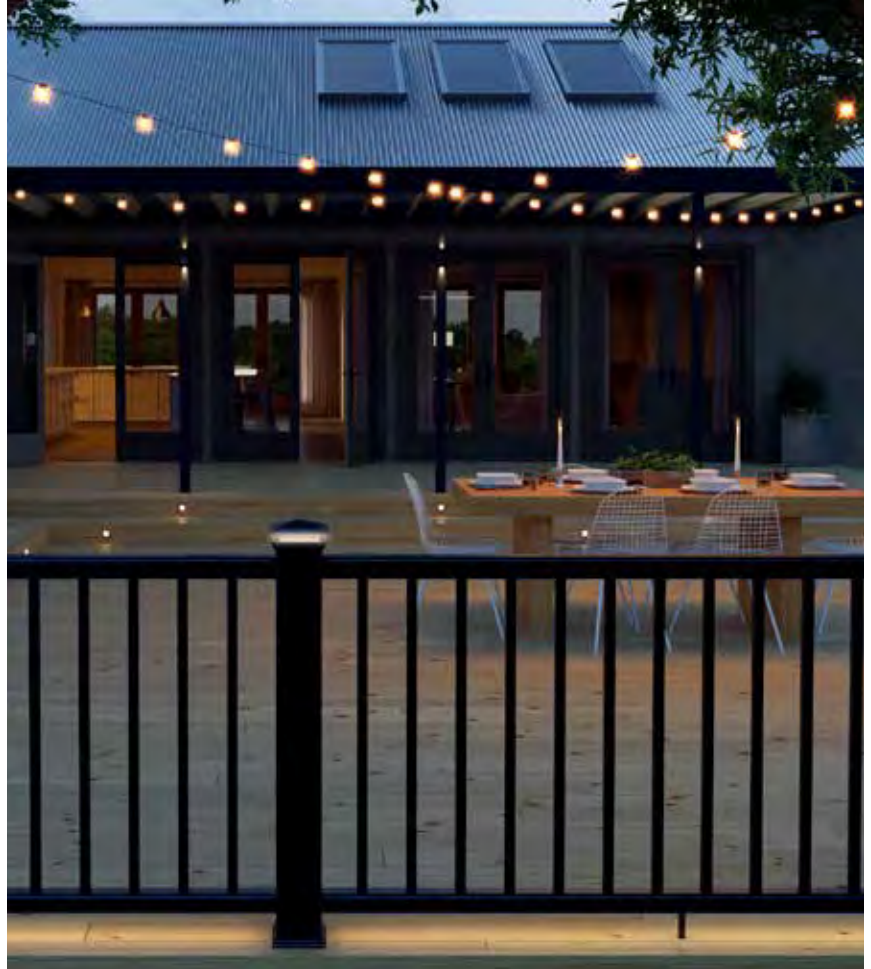
Low Voltage Lighting Clip System

NEW
2015

Deckorators newest line of low-voltage lighting products feature a straightforward clip system, making installation of outdoor lighting projects simpler and quicker than ever. Each component's clip simply plugs into a junction box. This system includes lighting for top and sides of posts, rail and deck, as well as everything needed to connect to a low-voltage power system. All lighting components feature warm, white LED lights. We also offer a converter clip, which allows almost any low voltage light source to be installed with our system.

JUNCTION BOX

- Disperse power from a low-voltage transformer to the light sources
- Six outlets to power up to six individual lights



GET THIS LOOK Black CXT Pro Contemporary railing, black Estate balusters, black Stylepoint low-voltage post caps, under-rail strip light, post sconce lights and black deck lights

DECK LIGHTS

- Illuminate decks and stair risers
- Stair lights available in black and white



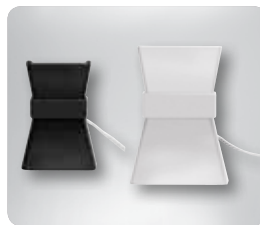
Horizontal Light



Stair Light

POST SCENCE LIGHTS

- Stylish bow tie shape shines in two directions
- 2" and 4" sizes, in black and white



UNDER-RAIL STRIP LIGHT

- Connect to the underside of a bottom rail
- 24" long



POST CAPS

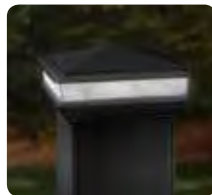
- Protect and illuminate the top of posts
- Available in multiple sizes and colors to fit an array of posts



ALX 2.5" Plateau LV Post Cap



ALX 4" High Point LV Post Cap



CXT 4-5/8" Stylepoint LV Post Cap



CXT 5-1/2" Stylepoint LV Post Cap



4x4 Black High Point LV Wood Post Cap



4x4 Copper High Point LV Wood Post Cap

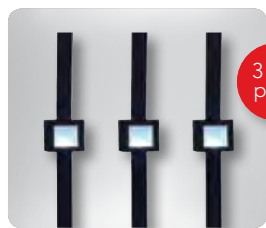
Low Voltage Lighting Pierce System

Deckorators line of low-voltage accent lighting offers everything needed to illuminate outdoor living areas. All fixtures in this system feature the latest energy-efficient LED technology and connect to a standard 12-volt power supply. Plus, each component can be installed independently or in combination with the others to meet the needs of any project, large or small.



GET THIS LOOK Wood railing, black Lighted Willow balusters and black Classic balusters with Classic mounting hardware

FOR ALUMINUM BALUSTERS



3 per pack



Style tip: Install Estate or Classic balusters in combination with lighted balusters using mounting hardware, available in black and white.



Lighted Square Balusters

- 26" and 32" heights
- Same profile as Estate baluster
- 3-pack, includes connectors
- Available in black and white

Lighted Willow Balusters

- 26" and 32" heights
- Same profile as Classic baluster
- 3-pack, includes connectors
- Available in black and white

Line Rail Wire Covers

- Works with both round and square connectors
- Available in black and white

Stair Rail Wire Covers

- Works with both round and square connectors
- Available in black and white

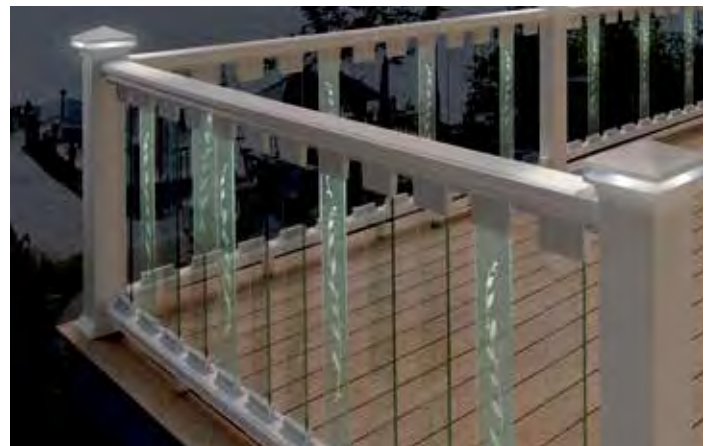
FOR GLASS BALUSTERS

Glass Baluster Lighting Kits

- Compatible with Scenic Frontier and Frosted Glass balusters
- Complete kit includes wireway channel, top and bottom connectors and hardware to install three Scenic balusters
- Bright LED lights in top connectors illuminate balusters
- Corresponding mounting kits without lights are available to install lighted and non-lighted balusters on the same rail
- Available in black and white



GET THIS LOOK: White CXT Contemporary railing, Scenic Frontier balusters with glass baluster Lighting Kits and white Light Band VersaCaps™



POST CAP LIGHTS

- Attaches to a low-voltage cable with included cable connector.
- Two base options and multiple colors – see page 25 for aluminum caps and page 20 for VersaCaps.



Low Voltage Tiffany-style Mission



Low Voltage Copper Light Band



Low Voltage Traditional

RECESSED LIGHTING KITS



Stair Kit with Shade



- Feature compact, ultrabright low-voltage LED lights
- Mount flush to any surface
- Ideal for pathways, doorways, stairs and step-downs
- Includes 8 light fixtures, photo sensor and transformer



Scan code to learn more about installing Recessed Lighting Kits

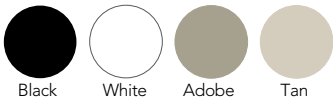
Deck safety made simple

Perfect for homes with small children or seniors, this attractive, highly versatile, graspable handrail is ideal for meeting special building codes.

Made of heavy-gauge aluminum and durable PVC, the system includes five different radius elbows and several styles of returns to meet every possible installation.

The railing is available in four colors (black, white, adobe and tan) that complement popular siding and trim products used in new home and building construction.

AVAILABLE COLORS



3" Offset Aluminum Bracket



8" 8" Handrail with Aluminum Insert



3" Offset 90° Aluminum Post Return



Straight Aluminum Wall Mount, 1-3/4" Base



1" Grab Rail End Cap



90° Outside Corner



6" Inside Corner Mounting Bracket



90° Inside Corner



6" Aluminum Joiner Kit



5-3/4" Adjustable Joiner



12"x18"x12" 180° Return Loop



180° Post Return



32° Stair Elbow



34° Stair Elbow



36° Stair Elbow



5° Handicap Elbow



13-1/2" Wall Return



GET THIS LOOK
White aluminum railing with cap rail, white Estate balusters, Tiffany-style California Grape post caps and white Secondary handrail



GET THIS LOOK Deckorators Vista™ Sandalwood decking with textured white ALX Classic railing, textured white Estate balusters and white Classic Diamond lattice

Deckorators Plastic Lattice

NEW
2015

Durable, sturdy lattice that won't rot, split or peel provides attractive skirting under decking and adds a cozy, semi-private feeling to outdoor seating areas, outdoor kitchens and more.



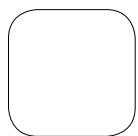
Classic Diamond
Available in white, black and paintable



Privacy Diamond
Available in white



Caps/Dividers
Available in white, black and paintable



White



Black



Paintable



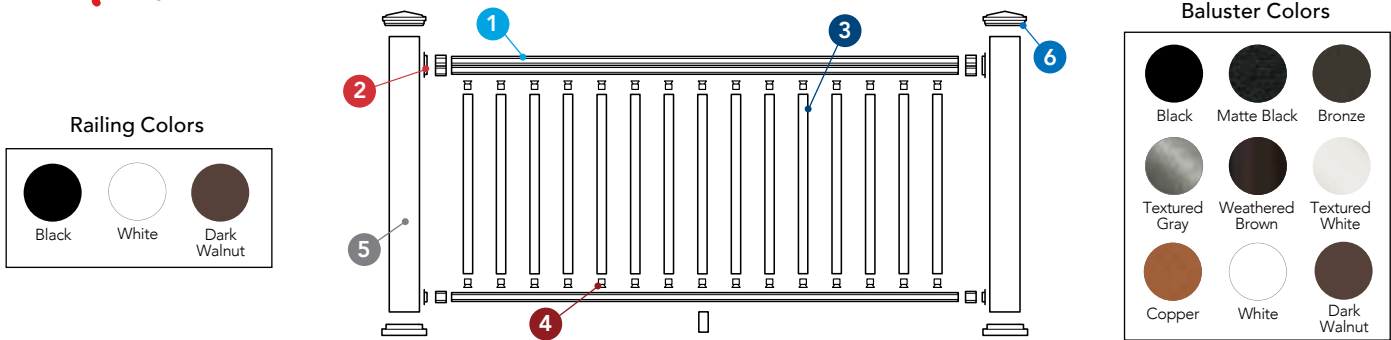
Paintable

Paintable Lattice

Deckorators introduces our exclusive new paintable lattice. Easy-to-apply primer and plastic aerosol paint lets you color-match your project to complement any indoor or outdoor living space.



DECKORATORS CXT CLASSIC RAILING - HOW TO BUY



STEP 1 - CHOOSE YOUR RAILING

CXT CLASSIC RAIL KIT – Purchase (1) kit per 6' or 8' in-line rail section. Hardware not included.	Available Colors	Product Code**	Qty
6' CXT Classic rail kit	black, white and dark walnut		
8' CXT Classic rail kit			

STEP 2 - CHOOSE YOUR HARDWARE

CLASSIC RAIL HORIZONTAL CONNECTORS – Purchase (1) 4-pack per 6' or 8' in-line rail section.	Available Colors	Product Code**	Qty
Classic Horizontal Rail Connectors – 4-pack	black, white and dark walnut		
CLASSIC RAIL STAIR CONNECTORS – Purchase (1) 4-pack per 6' or 8' stair rail section.	Available Colors	Product Code**	Qty
Classic Stair Rail Connectors – 4-pack	black, white and dark walnut		

STEP 3 - CHOOSE YOUR BALUSTERS

CXT CLASSIC COMPOSITE BALUSTERS – Purchase (3) 5-packs per 6' rail or (4) 5-packs per 8' rail. Connectors not included.	Available Colors	Product Code**	Qty
29-1/4" Baluster Kit – 5-pack	black, white and dark walnut		
36-1/4" Baluster Kit – 5-pack			
ALUMINUM BALUSTERS – Purchase (1.5) 10-packs per 6' rail or (2) 10-packs per 8' rail. Connectors not included. 32" balusters must be trimmed to meet desired rail height.	Available Colors	Product Code**	Qty
29" Classic (for 36" line rail) – 10-pack	black, white and bronze		
32" Classic (for 36" line rail) – 10-pack	black, white, bronze, matte black, copper, textured gray, textured white, weathered brown		
36" Classic (for 42" line rail) – 10-pack			
29" Estate (for 36" line rail) – 10-pack	black, white and bronze		
32" Estate (for 36" line rail) – 10-pack	black, white, bronze, matte black, copper, textured gray, textured white, weathered brown		
32" Twist (for 36" line rail) – 10-pack			
32" Ellipse (for 36" line rail) – 10-pack	black and bronze		
GLASS BALUSTERS – Purchase (2) 5-packs or (3) 3-packs per 6' rail OR purchase (3) 5-packs or (4) 3-packs per 8' rail. Connectors not included.	Available Styles	Product Code**	Qty
29" Clear Scenic Glass (for 36" rail) – 5-pack	Frontier and Contour		
32" Clear Scenic Glass (for 39" rail) – 5-pack			
32" Frosted Glass (for 39" rail) – 3-pack	Contemporary and Leaf		

STEP 4 - SELECT YOUR CORRESPONDING BALUSTER CONNECTORS

CXT CLASSIC BALUSTER CONNECTORS – Purchase (1) 10-pack per (1) baluster pack. Add stair adaptors as needed.	Available Colors	Product Code**	Qty
Baluster Connectors – 10-pack	black		
Baluster Stair Adaptors – 10-pack	black, white and dark walnut		
ALUMINUM BALUSTER CONNECTORS – Purchase (1) 20-pack per (1) baluster pack. Add stair adaptors as needed.	Available Colors	Product Code**	Qty
Baluster Connectors – 20-pack (use with Classic Balusters)	black and white		
Stair Connectors – 20-pack (use with Classic Balusters)			
Designer Baluster Connectors – 20-pack (use with Classic Balusters)	black, white and bronze		
Designer Baluster Stair Adaptors – 20-pack (use with Classic Balusters)			
Standard Estate Baluster Connectors – 20-pack (use with Estate or Twist Balusters)	black and white		
Standard Estate Stair Connectors – 20-pack (use with Estate or Twist Balusters)			
Designer Estate Baluster Connectors – 20-pack (use with Estate Balusters)	black, white and bronze		
Designer Estate Stair Adaptors – 20-pack (use with Estate Balusters)			
Ellipse Baluster Connectors – 20-pack (use with Ellipse Balusters)	black and bronze		
Ellipse Stair Connectors – 20-pack (use with Ellipse Balusters)			
GLASS BALUSTER CONNECTORS – Purchase (1) connector kit per (1) Scenic Baluster	Available Colors	Product Code**	Qty
Frontier Scenic Connectors – 2-pack	black, white, gray, cedar and redwood		
Scenic Stair Connectors – 2-pack			

STEP 5 - CHOOSE YOUR POST SLEEVE KITS

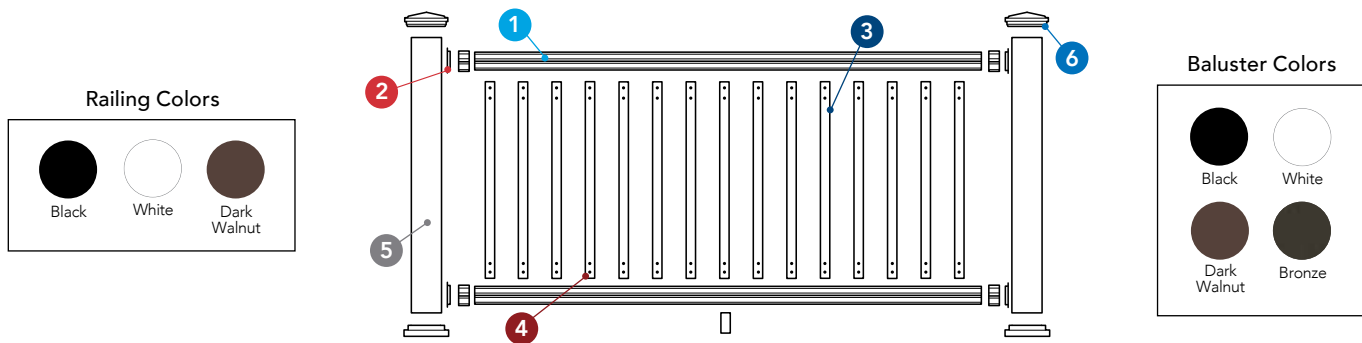
4X4 POST SLEEVE KITS – Purchase (1) post sleeve kit per railing kit plus (1) to end each run. Trim included.	Available Colors	Product Code**	Qty
40" Traditional Post Sleeve Kit (for 36" rail)	black, white and dark walnut		
54" Traditional Post Sleeve Kit (for 42" rail)			
40" Paramount Post Sleeve Kit (for 36" rail)			
54" Paramount Post Sleeve Kit (for 42" rail)			

STEP 6 - CHOOSE YOUR POST CAPS

CXT POST CAPS – Purchase (1) post cap per post sleeve.	Product Code**	Qty
Many options available. See pages 11, 22, 24-25.		



DECKORATORS CXT ARCHITECTURAL RAILING - HOW TO BUY



STEP 1 - CHOOSE YOUR RAILING

CXT CLASSIC ARCHITECTURAL RAIL KIT – Purchase (2) kits per 6' or 8' in-line rail section. Hardware not included.	Available Colors	Product Code**	Qty
6' CXT Classic rail kit	black, white and dark walnut		
8' CXT Classic rail kit			

STEP 2 - CHOOSE YOUR HARDWARE

ARCHITECTURAL RAIL HORIZONTAL CONNECTORS – Purchase (1) 4-pack per 6' or 8' in-line rail section.	Available Colors	Product Code**	Qty
Architectural Horizontal Rail Connectors – 4-pack	black, white and dark walnut		
ARCHITECTURAL RAIL STAIR CONNECTORS – Purchase (1) 4-pack per 6' or 8' stair rail section.	Available Colors	Product Code**	Qty
Architectural Stair Rail Connectors – 4-pack	black, white and dark walnut		

STEP 3 - CHOOSE YOUR BALUSTERS

CXT CLASSIC COMPOSITE BALUSTERS – Purchase (3) 5-packs per 6' rail or (4) 5-packs per 8' rail. Connectors not included.	Available Colors	Product Code**	Qty
29-1/4" Baluster Kit – 5-pack	black, white and dark walnut		
36-1/4" Baluster Kit – 5-pack			
ARCHITECTURAL ALUMINUM BALUSTERS – Purchase (3) 5-packs per 6' rail or (4) 5-packs per 8' rail. Screws included.	Available Colors	Product Code**	Qty
32-1/4" Baroque (for 36" line rail) – 5-pack	black, white and bronze		
40" Baroque (for 42" line rail) – 5-pack			
32-1/4" Arc (for 36" line rail) – 5-pack	black and bronze		
TRADITIONAL ALUMINUM BALUSTERS – Purchase (1.5) 10-packs per 6' rail or (2) 10-packs per 8' rail. Screws included.	Available Colors	Product Code**	Qty
32" Traditional (for 36" line rail) – 10-pack	black, white and bronze		
40" Traditional (for 42" line rail) – 10-pack			
GLASS BALUSTERS – Purchase (2) 5-packs or (3) 3-packs per 6' rail. Screws included.	Available Styles	Product Code**	Qty
32" Clear Scenic Glass (for 36" rail) – 5-pack	Contemporary and Leaf Frontier and Contour		
32" Frosted Glass (for 36" rail) – 3-pack			

STEP 4 - SELECT YOUR CORRESPONDING BALUSTER CONNECTORS

CXT CLASSIC BALUSTER CONNECTORS – Purchase (1) 10-pack per (1) baluster pack. Add stair adaptors as needed.	Available Colors	Product Code**	Qty
Baluster Connectors – 10-pack	black		
Baluster Stair Adaptors – 10-pack	black, white and bronze		

STEP 5 - CHOOSE YOUR POST SLEEVE KITS

4X4 POST SLEEVE KITS – Purchase (1) post sleeve kit per railing kit plus (1) to end each run. Trim included.	Available Colors	Product Code**	Qty
40" Traditional Post Sleeve Kit (for 36" rail)	black, white and dark walnut		
54" Traditional Post Sleeve Kit (for 42" rail)			
40" Paramount Post Sleeve Kit (for 36" rail)			
54" Paramount Post Sleeve Kit (for 42" rail)			

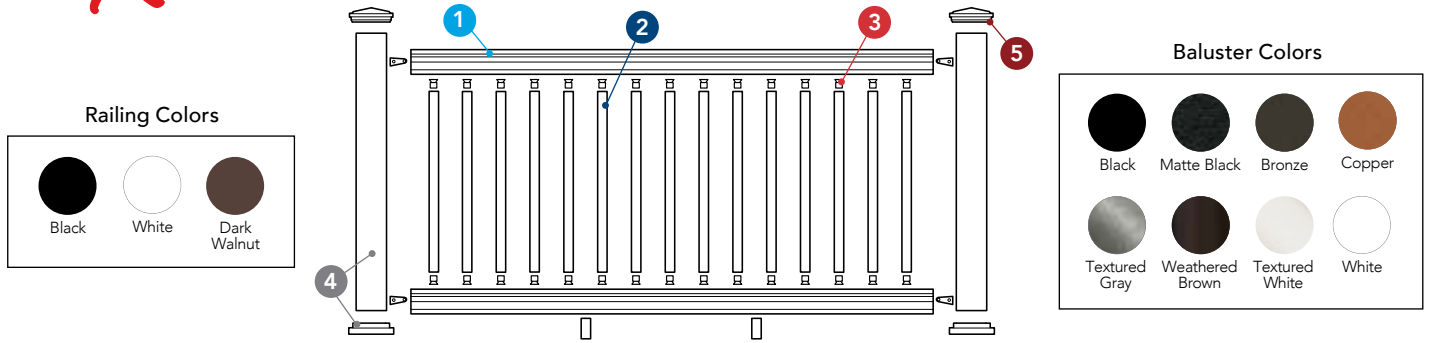
STEP 6 - CHOOSE YOUR POST CAPS

CXT POST CAPS – Purchase (1) post cap per post sleeve.	Product Code**	Qty
Many options available. See pages 11, 22, 24-25.		

** Reference page # for product code.



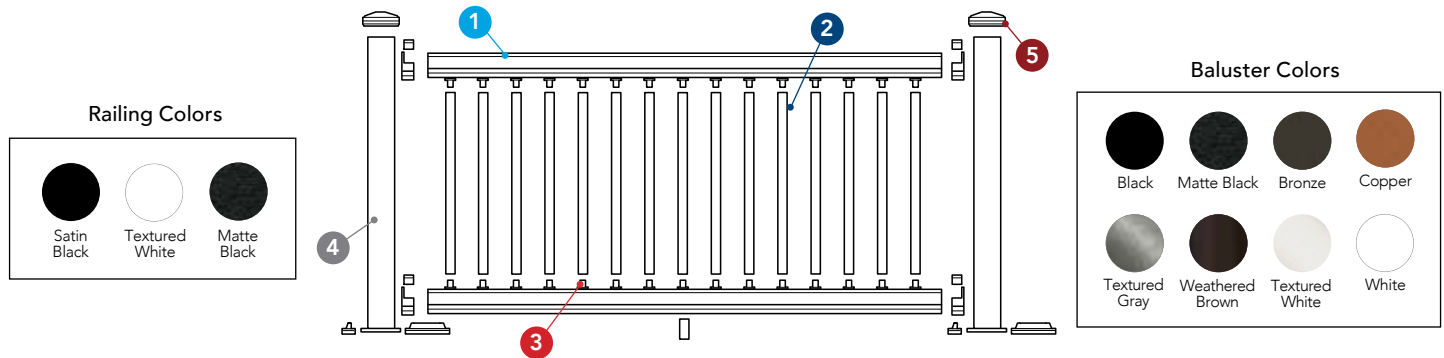
DECKORATORS CXT PRO RAILING - HOW TO BUY



STEP 1 - CHOOSE YOUR RAILING				
CXT PRO RAIL LINE KITS – Purchase (1) kit per 6' or 8' in-line rail section. Hardware included.		Available Colors	Product Code**	Qty
6' Colonial rail line kit		black, white and dark walnut		
6' Contemporary rail line kit*				
8' Colonial rail line kit				
8' Contemporary rail line kit*				
CXT PRO RAIL STAIR KITS – Purchase (1) kit per 6' stair rail section. Hardware included.		Available Colors	Product Code**	Qty
6' Colonial rail stair kit		black, white and dark walnut		
6' Contemporary rail stair kit*				
6' Graspable rail stair kit				
* Undrilled rail kits available for projects using glass balusters.				
STEP 2 - CHOOSE YOUR BALUSTERS				
CXT COMPOSITE BALUSTERS – Purchase (1) 15-pack per 6' rail or (1) 20-pack per 8' rail. Connectors included. 32" balusters must be trimmed to meet desired height.		Available Colors	Product Code**	Qty
29" Baluster kit – 15-pack		black, white and dark walnut		
35" Baluster kit – 15-pack				
38" Baluster kit – 15-pack				
29" Baluster kit – 20-pack				
35" Baluster kit – 20-pack				
38" Baluster kit – 20-pack				
ALUMINUM BALUSTERS – Purchase (1.5) 10-packs per 6' rail OR (2) 10-packs per 8' rail. Connectors not included.		Available Colors	Product Code**	Qty
29" Classic (for 36" line rail) – 10-pack		black, white and bronze		
32" Classic (for 36" line rail) – 10-pack		black, white, bronze, matte black, copper, textured gray, textured white and weathered brown		
36" Classic (for 42" line rail) – 10-pack				
29" Estate (for 36" line rail) – 10-pack				
32" Estate (for 36" line rail) – 10-pack		black, white, bronze, matte black, textured gray, textured white and weathered brown		
32" Twist (for 36" line rail) – 10-pack				
32" Ellipse (for 36" line rail) – 10-pack		black and bronze		
GLASS BALUSTERS – Purchase (2) 5-packs or (3) 3-packs per 6' rail OR purchase (3) 5-packs or (4) 3-packs per 8' rail. Connectors not included.		Available Styles	Product Code**	Qty
29" Clear Scenic Glass (for 36" rail) – 5-pack		Frontier and Contour		
32" Clear Scenic Glass (for 39" rail) – 5-pack				
32" Frosted Glass (for 39" rail) – 3-pack		Contemporary and Leaf		
STEP 3 - SELECT YOUR CORRESPONDING BALUSTER CONNECTORS				
ALUMINUM BALUSTER CONNECTORS – Purchase (1) 20-pack per (1) baluster pack (Add stair adaptors as needed.)		Available Colors	Product Code**	Qty
Baluster Connectors – 20-pack (use with Classic Balusters)		black and white		
Stair Connectors – 20-pack (use with Classic Balusters)		black, white and bronze		
Designer Baluster Connectors – 20-pack (use with Classic Balusters)		black, white and bronze		
Designer Baluster Stair Adaptors – 20-pack (use with Classic Balusters)				
Standard Estate Baluster Connectors – 20-pack (use with Estate or Twist Balusters)		black and white		
Standard Estate Stair Connectors – 20-pack (use with Estate or Twist Balusters)				
Designer Estate Baluster Connectors – 20-pack (use with Estate Balusters)		black, white and bronze		
Designer Estate Stair Adaptors – 20-pack (use with Estate Balusters)				
Ellipse Baluster Connectors – 20-pack (use with Ellipse Balusters)		black and bronze		
Ellipse Stair Connectors – 20-pack (use with Ellipse Balusters)				
GLASS BALUSTER CONNECTORS – Purchase (1) connector kit per (1) Scenic Baluster.		Available Colors	Product Code**	Qty
Scenic Connectors – 2-pack		black, white, gray, cedar and redwood		
Scenic Stair Connectors – 2-pack				
STEP 4 - CHOOSE YOUR POST SLEEVE KITS				
4X4 POST SLEEVE KITS – Purchase (1) post sleeve kit per railing kit plus (1) to end each run. Trim included.		Available Colors	Product Code**	Qty
40" Traditional post sleeve kit (for 36" rail)		black, white and dark walnut		
54" Traditional post sleeve kit (for 42" rail)				
40" Paramount post sleeve kit (for 36" rail)				
54" Paramount post sleeve kit (for 42" rail)				
STEP 5 - CHOOSE YOUR POST CAPS				
CXT POST CAPS – Purchase (1) post cap per post sleeve.			Product Code**	Qty
Many options available. See pages 11, 22, 24-25.				



DECKORATORS ALX CLASSIC RAILING - HOW TO BUY



STEP 1 - CHOOSE YOUR RAILING

ALX CLASSIC RAIL LINE KIT – Purchase (1) kit per 6’ or 8’ in-line rail section. Hardware included.*	Available Colors	Product Code**	Qty
6’ ALX Classic rail line kit	satin black, matte black and textured white		
8’ ALX Classic rail line kit			

* To created stair rails, you will need to purchase (2) stair bracket kits per stair rail.

STEP 2 - CHOOSE YOUR BALUSTERS

ALUMINUM BALUSTERS – Purchase (1.5) 10-packs per 6’ rail or (2) 10-packs per 8’ rail. Connectors not included. Balusters must be trimmed to meet desired rail height.	Available Colors	Product Code**	Qty
32” Classic (for 36” line rail) – 10-pack	black, white, bronze, matte black, copper, textured gray, textured white, weathered brown		
36” Classic (for 42” line rail) – 10-pack			
32” Estate (for 36” line rail) – 10-pack			
32” Twist (for 36” line rail) – 10-pack			
32” Ellipse (for 36” line rail) – 10-pack	black and bronze		
GLASS BALUSTERS – Purchase (2) 5-packs per 6’ rail OR purchase (3) 5-packs or (4) 3-packs per 8’ rail. Connectors not included.	Available Styles	Product Code**	Qty
32” Clear Scenic Glass (for 39” rail) – 5-pack	Frontier and Contour		
32” Frosted Glass (for 39” rail) – 3-pack	Contemporary and Leaf		

STEP 3 - SELECT YOUR CORRESPONDING BALUSTER CONNECTORS

ALUMINUM BALUSTER CONNECTORS – Purchase (1) 20-pack per (1) baluster pack. (Add stair adaptors as needed).	Available Colors	Product Code**	Qty
Baluster Connectors – 20-pack (use with Classic Balusters)	black and white		
Stair Connectors – 20-pack (use with Classic Balusters)	black, white and bronze		
Designer Baluster Connectors – 20-pack (use with Classic Balusters)	black, white and bronze		
Designer Baluster Stair Adaptors – 20-pack (use with Classic Balusters)			
Standard Estate Baluster Connectors – 20-pack (use with Estate or Twist Balusters)	black and white		
Standard Estate Stair Connectors – 20-pack (use with Estate or Twist Balusters)			
Designer Estate Baluster Connectors – 20-pack (use with Estate Balusters)	black, white and bronze		
Designer Estate Stair Adaptors – 20-pack (use with Estate Balusters)			
Ellipse Baluster Connectors – 20-pack (use with Ellipse Balusters)	black and bronze		
Ellipse Stair Connectors – 20-pack (use with Ellipse Balusters)			
GLASS BALUSTER CONNECTORS – Purchase (1) connector kit per (1) Scenic Baluster.	Available Colors	Product Code**	Qty
Scenic Connectors – 2-pack	black, white, gray, cedar and redwood		
Scenic Stair Connectors – 2-pack			

STEP 4 - CHOOSE YOUR ALUMINUM POST KITS

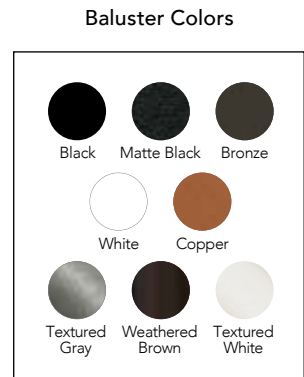
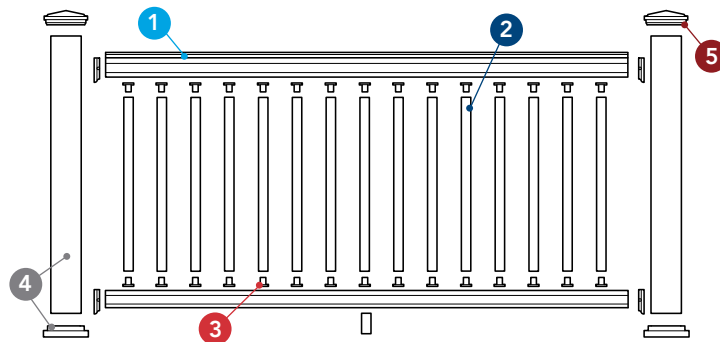
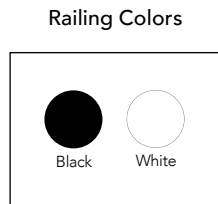
4X4 ALUMINUM POST KITS – Purchase (1) post kit per railing kit plus (1) to end each run. Trim and post cap included.	Available Colors	Product Code**	Qty
39” Aluminum Post Kit (for 36” rail)	satin black, matte black and textured white		
49” Aluminum Post Kit (for 42” rail)			

STEP 5 - CHOOSE YOUR OPTIONAL, ALTERNATIVE POST CAPS

ALUMINUM BASE POST CAPS – Purchase (1) optional, alternative post cap per post if desired.	Available Colors	Product Code**	Qty
2.5” Solar Post Cap	black and white		
ALX 2.5” Plateau LV Post Cap			



DECKORATORS ALX PRO ALUMINUM RAILING WITH CENTER MOUNT BALUSTERS - HOW TO BUY



STEP 1 - CHOOSE YOUR RAILING

ALX PRO RAIL KITS – Purchase (1) rail kit per 6' or 8' section.*	Available Colors	Product Code**	Qty
6' Rail kit with brackets	black and white		
8' Rail kit with brackets			
CAP RAIL KITS (optional) – Purchase (1) cap rail kit per 6' or 8' rail section.	Available Colors	Product Code**	Qty
6' Cap rail kit with insert rail	black and white		
8' Cap rail kit with insert rail			

* To create stair rails, you will need to purchase (2) stair bracket kits per stair rail.

STEP 2 - CHOOSE YOUR BALUSTERS (CENTER MOUNT)

ALUMINUM BALUSTERS – Purchase (1.5) 10-packs per 6' rail or (2) 10-packs per 8' rail.	Available Colors	Product Code**	Qty
26" Classic (for 36" line rail) – 10-pack	black, matte black, bronze, textured gray, white, textured white, copper and weathered brown		
32" Classic (for 42" line rail) – 10-pack			
36" Classic (for 46" line rail) – 10-pack			
26" Estate (for 36" line rail) – 10-pack	black, matte black, bronze, textured gray, white, textured white and weathered brown		
32" Estate (for 42" line rail) – 10-pack			
26" Twist (for 36" line rail) – 10-pack	black and bronze		
32" Twist (for 42" line rail) – 10-pack			
26" Ellipse (for 36" line rail) – 10-pack			
32" Ellipse (for 42" line rail) – 10-pack			
GLASS BALUSTERS – Purchase (2) 5-packs or (3) 3-packs per 6' rail OR purchase (4) 5-packs or (7) 3-packs per 8' rail.	Available Styles	Product Code**	Qty
26" Clear Scenic Glass (for 36") – 5-pack	Frontier and Contour		
32" Clear Scenic Glass (for 42") – 5-pack (screws included)			
26" Frosted Glass (for 36") – 3-pack	Contemporary and Leaf		
32" Frosted Glass (for 42") – 3-pack (screws included)			

STEP 3 - SELECT YOUR CORRESPONDING BALUSTER CONNECTORS

ALUMINUM BALUSTER CONNECTORS – Purchase (1) 20-pack per (1) baluster pack. Add stair adaptors as needed.	Available Colors	Product Code**	Qty
Baluster Connectors – 20-pack (use with Classic Balusters)	black and white		
Stair Connectors – 20-pack (use with Classic Balusters)	black, white and bronze		
Designer Baluster Connectors – 20-pack (use with Classic Balusters)	black, white and bronze		
Designer Baluster Stair Adaptors – 20-pack (use with Classic Balusters)			
Standard Estate Baluster Connectors – 20-pack (use with Estate or Twist Balusters)	black and white		
Standard Estate Stair Connectors – 20-pack (use with Estate or Twist Balusters)			
Designer Estate Baluster Connectors – 20-pack (use with Estate Balusters)	black, white and bronze		
Designer Estate Stair Adaptors – 20-pack (use with Estate Balusters)			
Ellipse Baluster Connectors – 20-pack (use with Ellipse Balusters)	black and bronze		
Ellipse Stair Connectors – 20-pack (use with Ellipse Balusters)			
GLASS BALUSTERS CONNECTORS – Purchase (1) connector kit per (1) Scenic Baluster.	Available Colors	Product Code**	Qty
Frontier Scenic Connectors – 2-pack	black, cedar, redwood, gray, mahogany and white		
Scenic Stair Connectors – 2-pack			
Contour Scenic Connectors – 2-pack			
Contour Stair Connectors – 2-pack			

STEP 4 - SELECT YOUR POST SLEEVES AND POST BASE TRIM

4X4 POST SLEEVE AND TRIM – Purchase (1) post sleeve per railing kit plus (1) to end each run. Trim optional.	Available Colors	Product Code**	Qty
40-1/4" Post sleeve (for 36" rail)	black, white and weathered brown		
52" Post sleeve (for 42" rail)			
4x4 Post base trim			

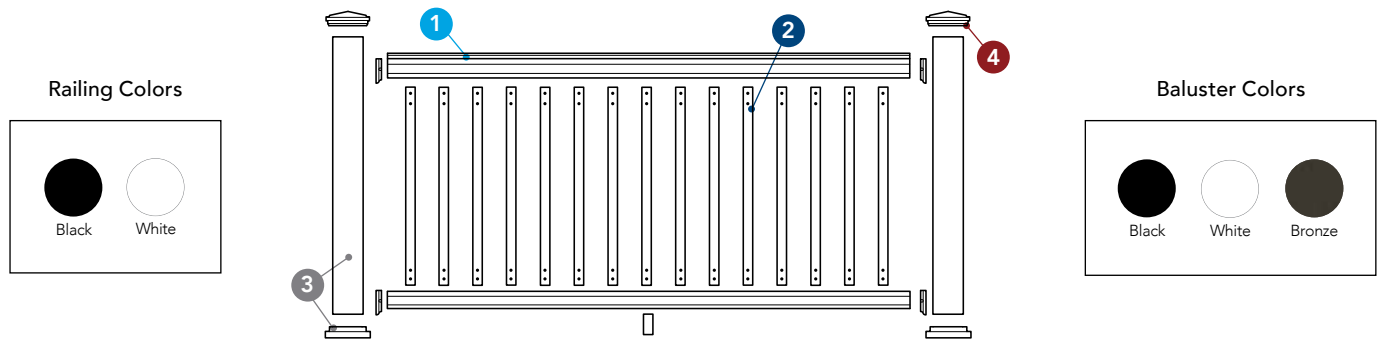
STEP 5 - CHOOSE YOUR POST CAPS

ALUMINUM BASE POST CAPS – Purchase (1) post cap per post sleeve.	Product Code**	Qty
Many options available. See page 15.		

** Reference page # for product code.



DECKORATORS ALX PRO RAILING WITH FACE MOUNT BALUSTERS - HOW TO BUY



STEP 1 - CHOOSE YOUR RAILING			
ALX PRO RAIL KITS – Purchase (1) rail kit per 6' or 8' section.*	Available Colors	Product Code**	Qty
6' Rail kit with brackets	black and white		
8' Rail kit with brackets			
CAP RAIL KITS (optional) – Purchase (1) cap rail kit per 6' or 8' rail section.	Available Colors	Product Code**	Qty
6' Cap rail kit with insert rail	black, white and weathered brown		
8' Cap rail kit with insert rail			
* To create stair rails, you will need to purchase (2) stair bracket kits per stair rail.			
STEP 2 - CHOOSE YOUR BALUSTERS (FACE MOUNT)			
ARCHITECTURAL ALUMINUM BALUSTERS – Purchase (3) 5-packs per 6' rail or (4) 5-packs per 8' rail.	Available Colors	Product Code**	Qty
32-1/4" Baroque (for 36" line rail) – 5-pack (screws included)	black, white and bronze		
40" Baroque (for 42" line rail) – 5-pack (screws included)			
32-1/4" Arc (for 36" line rail) – 5-pack (screws included)	black and bronze		
TRADITIONAL ALUMINUM BALUSTERS – Purchase (1.5) 10-packs per 6' rail or (2) 10-packs per 8' rail.	Available Colors	Product Code**	Qty
32" Traditional (for 36" line rail) – 10-pack (screws included)	black and bronze		
40" Traditional (for 42" line rail) – 10-pack (screws included)			
GLASS BALUSTERS – Purchase (2) 5-packs or (3) 3-packs per 6' rail OR purchase (4) 5-packs or (7) 3-packs per 8' rail.	Available Styles	Product Code**	Qty
32" Clear Scenic Glass (for 36" rail) – 5-pk (screws included)	Frontier and Contour		
32" Frosted Glass (for 36") – 3-pk (screws included)	Contemporary and Leaf		
STEP 3 - SELECT YOUR POST SLEEVES AND POST BASE TRIM			
4X4 POST SLEEVE AND TRIM – Purchase (1) post sleeve per railing kit plus (1) to end each run. Trim optional.	Available Colors	Product Code**	Qty
40-1/4" Post sleeve (for 36" rail)	black and white		
52" Post sleeve (for 36" rail)			
4x4 Post base trim			
STEP 4 - CHOOSE YOUR POST CAPS			
ALUMINUM BASE POST CAPS – Purchase (1) post cap per post sleeve.		Product Code**	Qty
Many options available. See page 15.			

** Reference page # for product code.



DECKORATORS SOLID DECKING INSTALLATION INSTRUCTIONS

Tools and Items Needed

- Drill/power screwdriver
- 1/8" drill bit
- Circular saw with carbide-tip blade
- 2 1/2" composite wood deck screws
- Tape measure
- Carpenter's pencil
- Safety glasses/goggles
- Notice to installers**
- DO NOT use cordless impact drivers
- Set drill speed to 1500-1750 RPM
- Max torque not to exceed 23 inch pounds
- Pre-drill knots or dense hardwood

Each DecoRators Vista and Heritage board has a unique appearance and should be arranged according to the end user's preference. Prior to construction, check with your local regulatory agency for special code requirements in your area. For best results, follow these simple installation instructions, paying close attention to gapping, spacing and fastener requirements.

Joist Span

16" on-center for residential perpendicular applications. Residential parquet patterns and diagonal or herringbone designs all require joist spacing 12" on-center. Contact DecoRators product support at 800-332-5724 for commercial applications. Use 1/4" for side gapping.

End-to-End Spacing

Allow a minimum of 1/16" gap between board ends for every 20°F of difference between installation temperature and the hottest temperature expected (fig. 1). Additional blocking may be needed for support (fig. 2). Allow 1/4" distance between all decking material and any permanent structure or post. After all decking has been attached, snap a chalk line (white or yellow chalk recommended) flush with or up to 1-1/2" out from the deck framing and trim with a circular saw. DecoRators decking, like all wood and composite decking products, requires proper ventilation and drainage in order to ensure its longevity. When using a minimum 2x6 joist standing on edge, with the suggested 1/4" side gap, there should be a 2" clear space between the bottom edge of the joists and grade to allow for proper ventilation. Adequate drainage is also needed to prevent water from pooling under the deck.

Fasteners

For ease of installation, we recommend using 2-1/2" corrosion-resistant, composite wood deck screws. These screws help minimize the common "mushroom" effect that sometimes occurs when using standard fasteners. They can also reduce the amount of pre-drilling and countersinking. If using ordinary coarse thread deck screws, always pre-drill a pilot hole and countersink prior to driving screws. Screws should be driven flush with the DecoRators decking surface. Do not over-tighten. Use two fasteners per deck board at each joist. For any decking where two boards meet end-to-end over a joist, add additional blocking (fig. 2). Always pre-drill a pilot hole and countersink at board ends when using either composite or wood screws. Be careful not to over-tighten screws near board ends.



(A) End Tag

(B) Product Sticker

Board-End to Board-End Gapping Requirements													
Warmest annual temperature °F expected in region													
Temperature °F on day of installation	°F	20	30	40	50	60	70	80	90	100	110	120	
	20	1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16	1/4	1/4	5/16	5/16
	30		1/8	1/8	1/8	1/8	1/8	3/16	3/16	1/4	1/4	5/16	
	40			1/8	1/8	1/8	1/8	1/8	3/16	3/16	1/4	1/4	
	50				1/8	1/8	1/8	1/8	1/8	3/16	3/16	1/4	
	60					1/8	1/8	1/8	1/8	1/8	3/16	3/16	
	70						1/8	1/8	1/8	1/8	1/8	3/16	
	80							1/8	1/8	1/8	1/8	1/8	
	90								1/8	1/8	1/8	1/8	
	100									1/8	1/8	1/8	
	110										1/8	1/8	
	120											1/8	

fig. 1

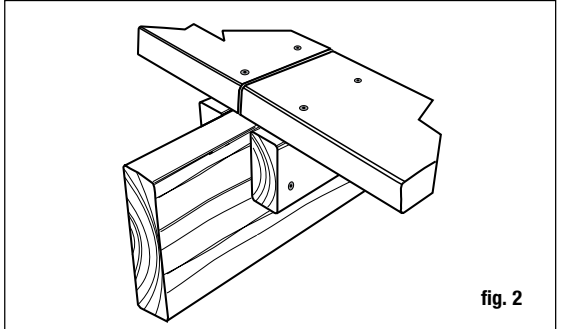


fig. 2

Pre-drill and countersink all deck screws, regardless of type, that are within 1-1/2" of the end of the deck board.

Color Variation

Like most composites, Deckorators Decking will have color variations from piece to piece. This is due to naturally occurring variations in wood fibers and polymers. Purchasing all required decking material at one time is recommended, as manufacturing runs can produce slightly different colors. Do not install if color variation is not acceptable.

Preventing Mold and Mildew Growth

Mold and mildew can be a nuisance on any exterior building surface, regardless of the material. If the conditions are right, they will grow on wood, plastic, concrete, metal and other surfaces. Mold formation is most prevalent in consistently wet, shaded areas. Spores from the natural environment are carried by the wind and commonly land on decks surfaces. It is important to note that the appearance of mold/mildew is a function of nature, not necessarily a deficiency with any of the material on which it grows.

Cleaning

Periodic washing with soap/mild detergent and water will help remove surface dirt. This will also help prevent the buildup of pollen, debris and spores that can cause and accelerate mold/mildew growth. *Caution: A pressure washer should not be used to "blast" mold/mildew or soils from a deck surface. The abrasive nature of the water stream can potentially cause damage by driving the spores deeper into the material, which may create a more challenging problem to remedy. A pressure washer with a fan-tipped nozzle should be used only to lightly wet or rinse wood or composite deck surfaces.*

There are many deck wash and exterior cleaning products available at retail. It is important to make sure you use a cleaner specifically intended for your application. After selecting a product, be certain to read, understand and follow all instructions supplied by the manufacturer. Some cleaning products and inhibitors may be more effective than others, depending on the environmental conditions your deck is subjected to. Additionally, it is always a good idea to test the cleaner in a small, inconspicuous area prior to applying it to the entire deck (www.deckorators.com).

Mold Inhibitors

As with deck washes, there are several mold-inhibitor products available from paint stores, hardware stores, online outlets and home centers to help prevent long-term mold/mildew growth. For any product selected, be certain to read, understand and follow all instructions provided by the manufacturer. Depending upon the environmental factors affecting your deck, some preventive cleaning products may be more effective than others. It may be necessary to try more than one product. For ongoing preventive maintenance, follow the manufacturer's recommendation.

Note: Deckorators is not suitable for structural use. It should not be used for primary load-bearing members such as posts, joists, beams or stringers. The same common-sense precautions should be taken when handling Deckorators as with wood or other building materials. Dust masks and eye protection devices are recommended to avoid possible irritation from sawdust and chips. Gloves will help protect hands. Hands should be washed after construction work.

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7903 8/14

www.deckorators.com



SLOTTED DECKING INSTALLATION INSTRUCTIONS USING STOWAWAY™ HIDDEN FASTENERS

Tools and Items Needed

- Drill/power screwdriver
 - 1/8" drill bit
 - Circular saw with carbide-tip blade
 - Assorted fasteners (see instructions)
 - Tape measure
 - Carpenter's pencil
 - Safety glasses/goggles
- Notice to installers:**
- Use 305 stainless steel, black head screws
 - DO NOT use cordless impact drivers
 - Set drill speed at 1500-1750 RPM
 - Max torque not to exceed 23 inch pounds
 - Pre-drill knots or dense hardwood

Each Dec'orators Vista and Heritage board has a unique appearance and should be arranged according to the end user's preference. Prior to construction, check with your local regulatory agency for special code requirements in your area. For best results, follow these simple installation instructions, paying close attention to gapping, spacing and fastener requirements.

Joist Span

16" on-center for residential perpendicular applications. Residential parquet patterns and diagonal or herringbone designs require joist spacing of 12" on-center. Contact Dec'orators product support at 800-332-5724 for commercial applications. Use 1/4" for side gapping.

End-to-End Spacing

Follow the gapping requirements listed in fig. 1. For any decking where two boards meet end-to-end over a joist, add additional blocking (fig. 2 on the following page). Allow 1/4" distance between all decking material and any permanent structure or post. After all of the decking has been attached, snap a chalk line (white or yellow chalk recommended) flush with or up to 1-1/2" out from the deck framing and trim with a circular saw.

All wood and composite decking products require proper ventilation and drainage to ensure their longevity. When using a minimum 2x6 joist standing on edge and the suggested 1/4" side gap, there should be a 2" clear space between the bottom edge of the joists and grade in order to allow for proper ventilation. Adequate drainage is also needed to prevent water from pooling under the deck.

STOWAWAY™ HIDDEN FASTENERS

JOIST SPACING

DECK SIZE	12" on-center	16" on-center
100 sq. ft.	210 fasteners	175 fasteners
200 sq. ft.	441 fasteners	336 fasteners
300 sq. ft.	672 fasteners	512 fasteners
400 sq. ft.	882 fasteners	672 fasteners
500 sq. ft.	1,113 fasteners	848 fasteners

Storage
Conserve prior to installation to prevent water stains.

Installation
• All boards must be spaced properly to allow for expansion and contraction. Allow a minimum 1/4" on all sides. Do not edge. Refer to complete installation instructions for details.
• Do not use a circular saw for cutting from any direction. Use a hand saw for cutting from any direction.
• Use a hand saw to cut. Do not use a circular saw. Do not use a circular saw to cut. Do not use a circular saw to cut. Do not use a circular saw to cut.

Joint Spacing
• 1/4" on center for residential perpendicular to the joist.
• 1/2" on center for residential diagonal or the joist.
• Refer to 2018 IRC for other fastener spacing requirements.
• Use 305 stainless steel, black head screws. Do not use other fasteners, including nails and screws. Do not use other fasteners, including nails and screws. Do not use other fasteners, including nails and screws.

Rangement
Conserve avant l'installation pour prévenir les taches d'eau.

Installation
• Tous les planches doivent être espacées correctement pour permettre le gonflement et le retrait. Prévoyez un espace de 1/4" sur tous les côtés des planches. Ne découpez pas les bords. Consultez les instructions complètes pour plus de détails.
• Ne découpez pas les planches de l'un des côtés. Utilisez une scie à main pour découper les planches de l'un des côtés.
• Utilisez une scie à main pour découper les planches de l'un des côtés. Ne découpez pas les planches de l'un des côtés. Ne découpez pas les planches de l'un des côtés.

Espacamiento de juntas
• 1/4" on center for residential perpendicular to the joist.
• 1/2" on center for residential diagonal or the joist.
• Refer to 2018 IRC for other fastener spacing requirements.
• Use 305 stainless steel, black head screws. Do not use other fasteners, including nails and screws. Do not use other fasteners, including nails and screws.

Almacenamiento
Conserve antes de la instalación para evitar manchas.

Instalación
• Todas las tablas deben distribuirse de forma adecuada para permitir el hinchamiento y el encogimiento. Prevea un espacio de 1/4" en todos los lados de las tablas. No corte los bordes. Consulte las instrucciones completas para obtener más detalles.
• No corte las tablas de cualquiera de los lados. Use una sierra de mano para cortar las tablas de cualquiera de los lados.
• Use una sierra de mano para cortar las tablas de cualquiera de los lados. No corte las tablas de cualquiera de los lados. No corte las tablas de cualquiera de los lados.



(A) End Tag

(B) Product Sticker

Board-End to Board-End Gapping Requirements

		Warmest annual temperature °F expected in region											
		°F	20	30	40	50	60	70	80	90	100	110	120
Temperature °F on day of installation	20	1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16	1/4	1/4	5/16	5/16
	30		1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16	1/4	1/4	5/16
	40			1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16	1/4	1/4
	50				1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16	1/4
	60					1/8	1/8	1/8	1/8	1/8	1/8	3/16	3/16
	70						1/8	1/8	1/8	1/8	1/8	1/8	3/16
	80							1/8	1/8	1/8	1/8	1/8	1/8
	90								1/8	1/8	1/8	1/8	1/8
	100									1/8	1/8	1/8	1/8
	110										1/8	1/8	1/8
	120											1/8	1/8

fig. 1

Fasteners

For ease of installation, our Stowaway fastener fits into the slot on each side of the deck board to eliminate pre-drilling and provide a fastener-free deck surface. The deck boards require traditional fasteners on the outside and inside edges of the deck. Begin by fastening the outside edge of the first board to the rim joist every 16". For this, we recommend using 2-1/2" corrosion-resistant, composite wood deck screws. These screws help minimize the common "mushroom" effect that sometimes occurs when using standard fasteners. They can also reduce the amount of pre-drilling and countersinking.

If using ordinary coarse-thread deck screws, always pre-drill a pilot hole and countersink prior to driving screws. Screws should be driven flush with the surface. Do not over-tighten. Use one fastener per board every 16". For any decking where two boards meet end-to-end over a joist, add additional blocking. Always predrill a pilot hole when fastening within 1-1/2" of board ends, whether using composite or wood screws. Do not over-tighten screws at board ends.

On the other side of the board, place a Stowaway hidden fastener into the slot and center on the joist (fig. 3). Install the preset screw at a 90° angle through the Stowaway fastener and drive flush. Do not over-tighten. The fastener wings must remain level with the joist for the next board to fit correctly (fig. 4). Install one Stowaway fastener at each joist location. Slide the next board into place so the wings on the previous fasteners fit into the slot on the side of the board. Make sure the side gap between the boards is 1/4".

To keep the interior boards from moving over time, we recommend pinning the boards at the center of their length using a #8, 2" stainless steel screw. This holds the deck board in place at the center of each board and allows the decking to expand/contract at the ends. Pre-drill in the slot of the deck board with an 1/8" drill bit (fig. 5a). Drive screw into the slot so it's flush with the bottom of the groove (fig. 5b). This will allow you to properly fit a Stowaway hidden fastener into the slot. Install a Stowaway hidden fastener clip over the screw and centered over the joist. Fasten using preset screw at a 90° angle through the Stowaway hidden fastener and drive flush with the clip (fig. 6). The fastener wings must remain level with the joist for the next board to fit correctly (fig. 4).

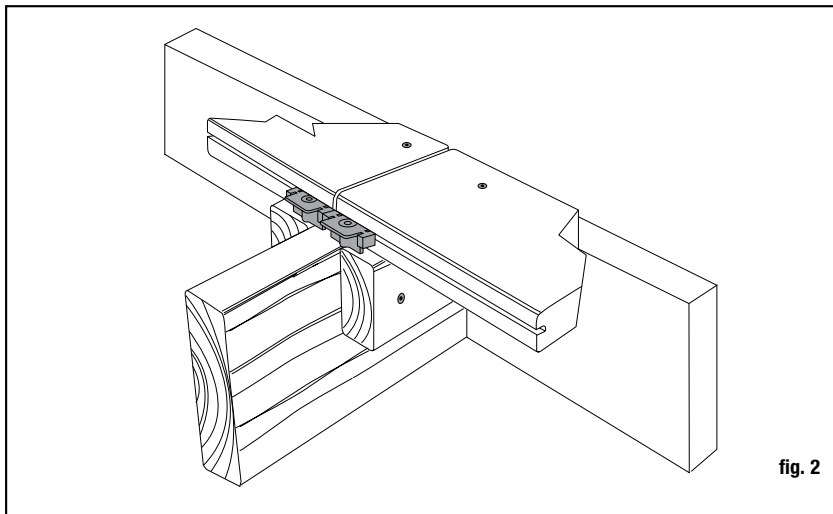
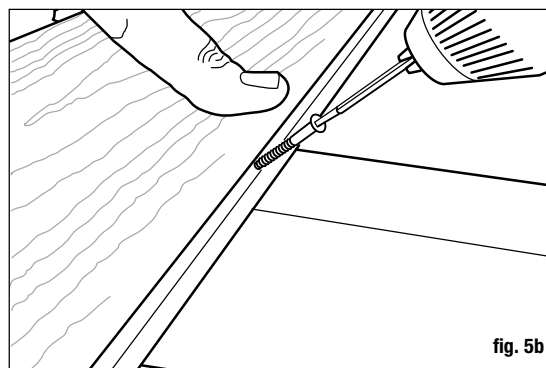
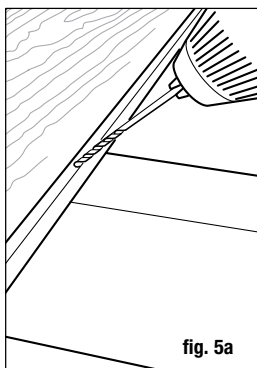
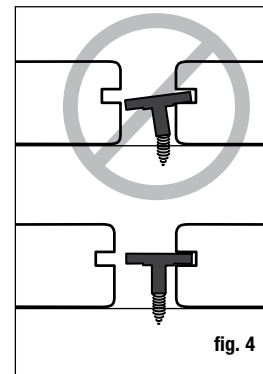
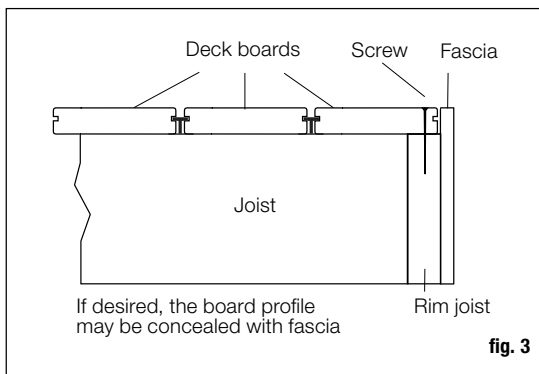


fig. 2

Fasten the outside edge of the first board to the rim joist with screws. Pre-drill and countersink all deck screws, regardless of type, that are within 1-1/2" of the end of the deck board. On the other side of the board, place a Stowaway hidden fastener into the slot and center on the joist.



Install one Stowaway fastener at each joist location along the length of the board. For installations where deck boards are butted end-to-end at the joist, we recommend adding an 8" block and using a Stowaway hidden fastener clip at the end of each board (fig. 7 and fig. 8). Be sure to gap the boards as previously described.

Repeat the process for each board until the outside edge of the final board is fastened with screws. Use fascia to conceal the board profile and inhibit board movement over time. Please refer to the fascia installation instructions for the approved fastening methods for fascia boards. If no fascia is being used, the entire perimeter of the deck should be fastened to the rim joist with screws. Use two screws per joist on the perimeter board. These screws will be inconspicuous once the railing is installed. Decking should be fastened with screws when being used as stair treads.

Preventing Mold and Mildew Growth

Mold and mildew can be a nuisance on any exterior building surface, regardless of the material. If the conditions are right, they will spawn on wood, plastic, concrete, metal and other surfaces. Mold formation is most prevalent in consistently wet, shaded areas. Spores from the natural environment are carried by the wind and commonly land on deck surfaces. It is important to note that the appearance of mold/mildew is a function of nature, not necessarily a deficiency with any of the material on which it grows.

Cleaning

Periodic washing with soap/detergent and water will help remove surface dirt. This will also help prevent the buildup of pollen, debris and spores that can cause and accelerate mold/mildew growth.

CAUTION: A pressure washer should not be used to "blast" mold/mildew or soils from a deck surface. The abrasive nature of the water stream can potentially damage the material by driving the spores into the material, which may create a more challenging problem to remediate. A pressure washer with a fan-tipped nozzle should be used only to lightly wet or rinse wood or composite deck surfaces.

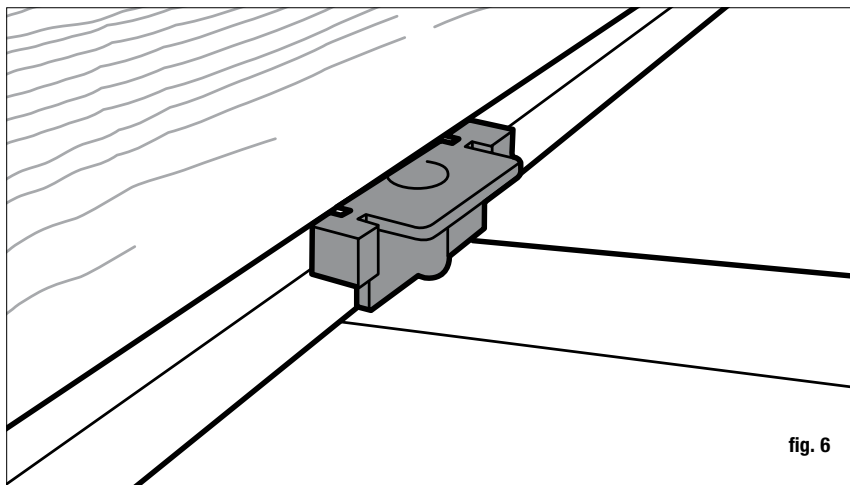


fig. 6

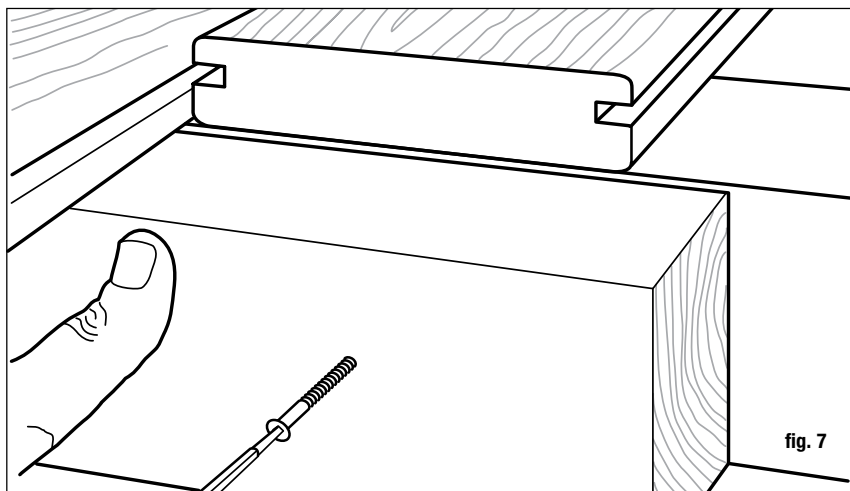


fig. 7

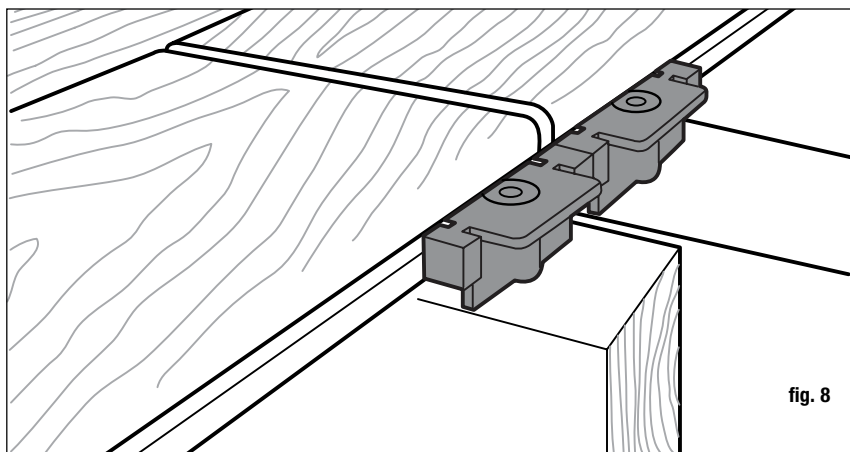


fig. 8

There are many deck wash and exterior cleaning products available at retail stores. It is important to make sure you use a cleaner specifically intended for your application. After selecting a product, be certain to read, understand and follow all instructions supplied by the manufacturer. Some cleaning products and inhibitors may be more effective than others, depending on the environmental conditions your deck is subjected to. Additionally, it is always a good idea to test the cleaner in a small, inconspicuous area prior to applying it to the entire deck.

Mold Inhibitors

As with deck washes, there are several mold-inhibitor products available from paint stores, hardware stores, online outlets and home centers to help prevent long-term mold/mildew growth. For any product selected, be certain to read, understand and follow all instructions provided by the manufacturer. Depending upon the environmental factors affecting your deck, some preventive cleaning products may be more effective than others. It may be necessary to try more than one. For ongoing preventive maintenance, follow the manufacturer's recommendation.

Note: Deckorators is not suitable for structural use. It should not be used for primary load-bearing members such as posts, joists, beams or stringers. The same common-sense precautions should be taken when handling Deckorators as with wood or other building materials. Dust masks and eye protection devices are recommended to avoid possible irritation from sawdust and chips. Gloves will help protect hands. Hands should be washed after construction work.

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DECKORATORS FASCIA INSTALLATION INSTRUCTIONS

Tools and Items Needed

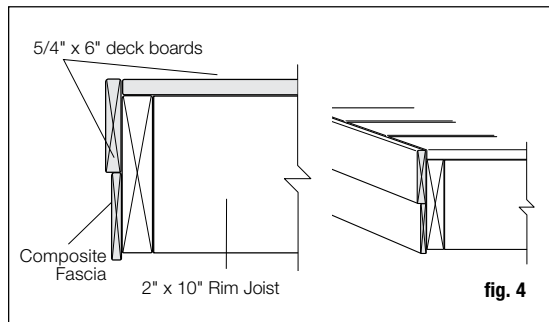
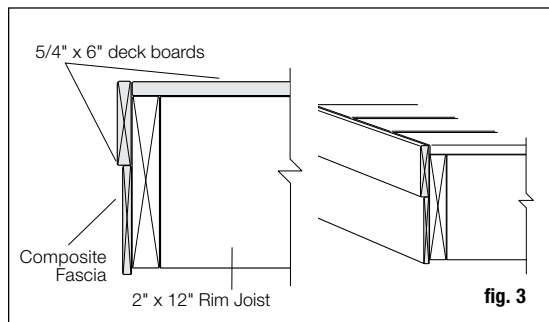
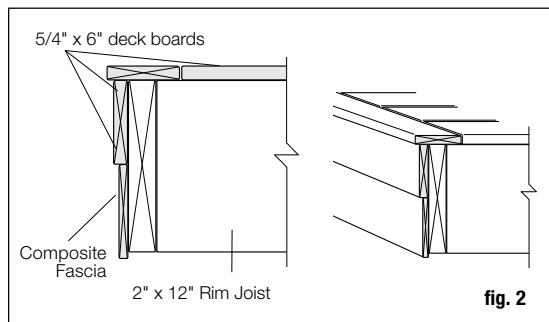
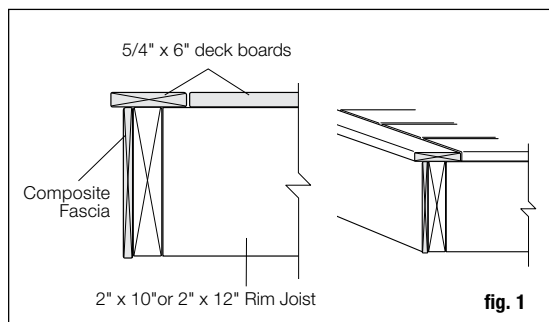
- | | | |
|---|--|--|
| <ul style="list-style-type: none"> • Drill/power screwdriver • 1/8" drill bit • Circular saw with carbide-tip blade • 2 1/2" composite wood deck screws | <ul style="list-style-type: none"> • Tape measure • Carpenter's pencil • Safety glasses/goggles | <ul style="list-style-type: none"> • Set drill speed to 1500-1750 RPM • Max torque not to exceed 23 inch pounds • Pre-drill knots or dense hardwood |
|---|--|--|

Notice to installers

- DO NOT use cordless impact drivers

Attach fascia to the rim joist using 3 screws spaced no further apart than 16" on-center. Fasten the fascia from one end to the other, or from the center out to each end. Never fasten the fascia from both ends to the center. Leave a 1/8" space between the fascia ends where two pieces meet or wherever a piece meets a solid surface (i.e., a corner or a building wall) to allow for expansion of the material. Use one of the recommended installation configurations below for best results. Do not install fascia board flush with decking that runs perpendicular (see figures 1-4 for possible configurations to conceal 2x10 and 2x12 joists).

Note: Deckorators decking is not suitable for structural use. It should not be used for primary load-bearing members such as posts, joists, beams or stringers. The same common sense precautions should be taken when handling Deckorators products as with any wood or other building materials. Dust masks and eye protection devices are recommended to avoid possible irritation from sawdust and chips. Gloves will help protect hands. Hands should be washed after construction work.



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CXT CLASSIC & ARCHITECTURAL RAILING INSTALLATION INSTRUCTIONS

Items needed for 6' or 8' Classic Line Railing

One line rail kit (fig. 1), which contains:

- 1 – top rail
- 1 – bottom rail
- 1 – support block for 6' rail and 2 – for 8' rail

One Classic line rail bracket kit, which contains:

- 4 brackets
- 4 bracket covers
- Screws

Your choice of these DecoRators baluster styles:

- 29-1/4" Square Composite
- Classic Aluminum
- Estate Aluminum
- Scenic Glass
- Twist
- Ellipse
- Baluster connectors as required

- 1 – 42" post sleeve plus one to end a railing section
- 1 – post cap for each post sleeve (sold separately)
- 1 – post base trim for each post sleeve (sold separately)

Items needed for 6' Classic Style Railing

One stair rail kit (fig. 1), which contains:

- 1 – top rail
- 1 – bottom rail
- 1 – support block

1 – Classic stair rail bracket kit, which contains:

- 4 brackets
- 4 bracket covers
- Screws

Your choice of these DecoRators baluster styles:

- 29-1/4" Square Composite
- Classic Aluminum
- Estate Aluminum
- Scenic Glass
- Twist
- Ellipse
- Baluster connectors and stair adaptors as required

- 1 – 42" post sleeve plus one to end a railing section
- 1 – post cap for each post sleeve (sold separately)
- 1 – post base trim for each post sleeve (sold separately)

Items needed for 6' or 8' Architectural Line Railing

Two line rail kits, which contain:

- 1 – top rail
- 1 – bottom rail
- 1 – support block for 6' rail and 2 – for 8' rail

One Architectural line rail bracket kit, which contains:

- 4 brackets
- 4 bracket covers
- Screws

Note: The Architectural style rail is constructed by combining two rail kits. Stack the rails by aligning the channel on the top rail with the ridge on the bottom rail. Secure the two pieces together using two #8-15 x 2" -#2 square drive pan head screw with black-painted heads per rail. These screws are included in the Architectural rail bracket kits. Placement should be on the underside of each rail 2 feet from either end of the rail (fig. 2).

Your choice of any DecoRators baluster styles, both in stock and special order:

- 29-1/4" Square Composite
- Classic Aluminum
- Estate Aluminum
- Scenic Glass
- Baroque
- Arc
- Traditional
- Twist

- Ellipse
- Baluster connectors as required
- 1 – 42" post sleeve plus one to end a railing section
- 1 – post cap for each post sleeve (sold separately)
- 1 – post base trim for each post sleeve (sold separately)

Items needed for 6' Architectural Stair Railing

Two stair rail kits, which contain:

- 1 – top rail
- 1 – bottom rail
- 1 – support block

1 – Architectural line rail bracket kit, which contains:

- 4 brackets
- 4 bracket covers
- Screws

Note: The Architectural style rail is constructed by combining two rail kits. Stack the rails by aligning the channel on the top rail with the ridge on the bottom rail. Secure the two pieces together using two #8-15 x 2" -#2 square drive pan head screw with black-painted heads per rail. These screws are included in the Architectural rail bracket kits. Placement should be on the underside of each rail 2 feet from either end of the rail (fig. 2).

Your choice of any DecoRators baluster styles, both in stock and special order:

- 29-1/4" Square Composite
- Classic Aluminum
- Estate Aluminum
- Scenic Glass
- Baroque
- Arc
- Traditional

- Twist
- Ellipse
- Baluster connectors and stair adaptors as required
- 1 – 42" post sleeve plus one to end a railing section
- 1 – post cap for each post sleeve (sold separately)
- 1 – post base trim for each post sleeve (sold separately)

Classic Style Railing

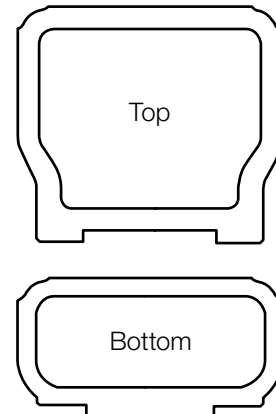


fig. 1

Architectural Style Railing

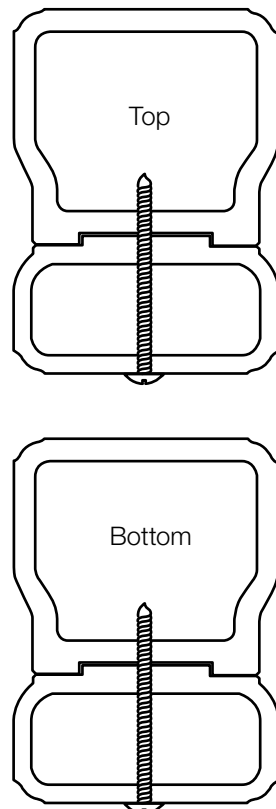


fig. 2

Tools Needed

- Drill/power screwdriver
- Miter or circular saw with carbide tip blade
- Adjustable wrench or socket wrench for bolts, etc.
- Carriage bolts
- #1 and #2 square head drill bits
- 1/8" drill bit
- Tape measure
- Hammer
- Marked speed square
- Carpenter's level
- Carpenter's pencil
- Safety glasses/goggles
- Clear exterior construction adhesive
- Rubber mallet

Prior to construction, check with your local regulatory agency for special code requirements in your area. Structural support should come from either the continuation of deck support posts that extend up through the deck floor, railing posts that are bolted to the inside of the rim/outer joists or structural post mounts. The post spacing will be less for angled rail applications. Always measure prior to securing the posts when installing angled rail sections. Install railing posts before deck boards are fastened to the joists.

Line Rail Installation Instructions

Note: These instructions are for a 36" rail. If you want to have your railing at a different height, use figure 3 as a planning tool to determine the height to cut post sleeves and balusters.

The railing comes pre-drilled for attaching baluster connectors. Pre-drilling all other screw holes is essential for successful rail installation. Do not over-tighten screws. Read instructions completely to get an understanding of how the product goes together and how each piece affects the others.

Step 1: Determine the number of railing posts needed for your deck. Post spacing is either 6' on-center or 8' on-center depending on the rail length chosen. Example: A 12' x 16' deck attached to a building with a 4' access opening on one side will require a total of eight posts.

Step 2: Install railing posts prior to installing deck boards. Cedar or pressure-treated pine 4x4 railing posts or a post mount provides the structural strength for the railing. The length of each post is determined by the total of the joist width (typically 7-1/4") + decking thickness (1") + railing height (36") + spacing for post cap (1-1/4") = 45-1/2". Important: Do not notch the 4x4 railing posts. Notching will reduce the strength of the post and could result in railing collapse or failure (fig. 4).

Step 3: Position, plumb with a level, and clamp the railing post on the interior face of the joist. Plumb again. The 4x4 railing post should be bolted to the inside of the joist using two 1/2" x 6" galvanized carriage bolts. Corner posts use a third carriage bolt inserted through the adjacent joist (fig. 8).

Step 4: Install decking. Notch deck boards to fit around the 4x4 railing posts. Allow 1/4" space between the deck boards and any permanent structure or post. Additional blocking may be necessary on the 4x4 for fastening deck boards.

Step 5: Trim 4x4 post sleeves to length. Post sleeves should be a minimum of 1-1/2" longer than the railing height (fig. 4). Example: For a 36" high railing, trim post sleeve to a minimum of 37-1/2" or longer if a higher railing is desired. Slide a trimmed post sleeve over each 4x4 railing post. Post sleeve should slide easily over the post. **DO NOT FORCE** post sleeve onto post. Twisted or crooked 4x4s should be replaced. Slide a post base trim (optional) over each post sleeve for a finished look. *Note: It is recommended to install the post base trim prior to installing the bottom rail. However, the two-piece design does allow the installer to add the post base trim after the rail has been installed. To install, apply a thin line of clear exterior construction adhesive to the inside of the post trim-where it will contact the post sleeve, and snap into place around the base.*

Step 6: Measure the distance between installed post sleeves to determine the length of the top and bottom rails. Place the bottom rail in position next to the posts and adjust so the distance between the first baluster hole and post is greater than 2" and equal on both ends (fig. 6). Mark the rail. Cut the bottom rail. Cut the top rail to the same spacing and length.

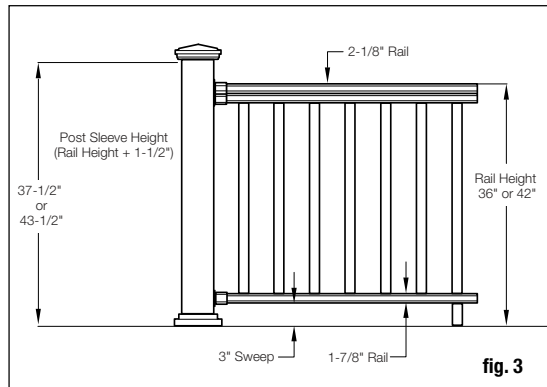


fig. 3

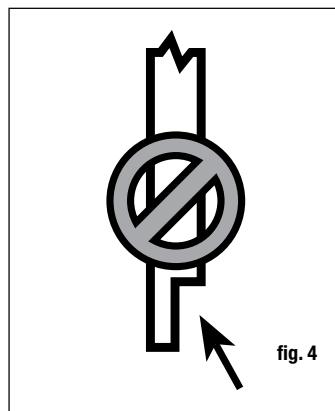


fig. 4

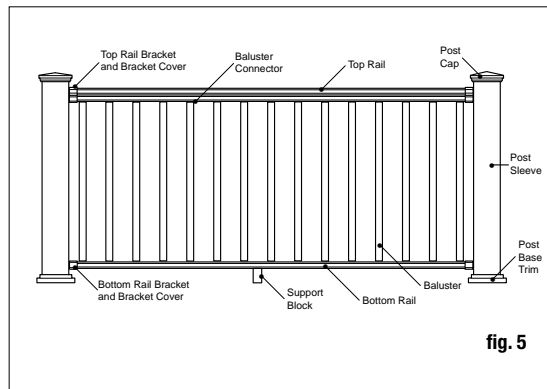


fig. 5

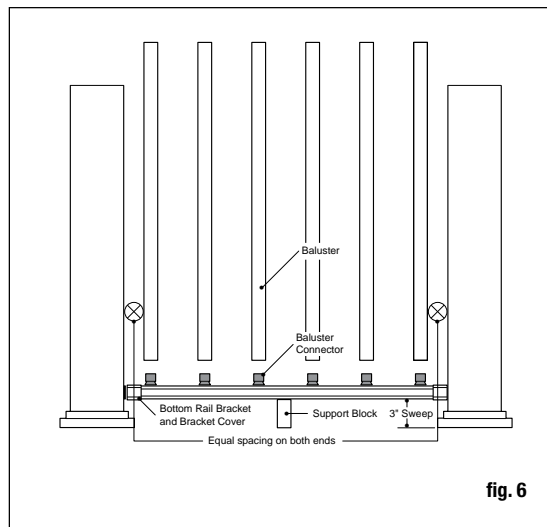


fig. 6

Step 7: Note: This step is for installing the Deckorators square composite balusters. To install alternative Deckorators styles, please refer to the installation instructions provided with the balusters. Place baluster connectors (sold separately) in position on both rails using the pre-drilled holes and attach with the provided screws (fig. 7).

Step 8: Find the center of the underside of the bottom rail and attach the baluster connector included with the support block using the screw provided. Check building code requirements for the maximum spacing between deck surface and bottom of rail (sweep). We recommend 3", but it can be less if desired. If necessary, trim the support block to the determined height (fig. 6).

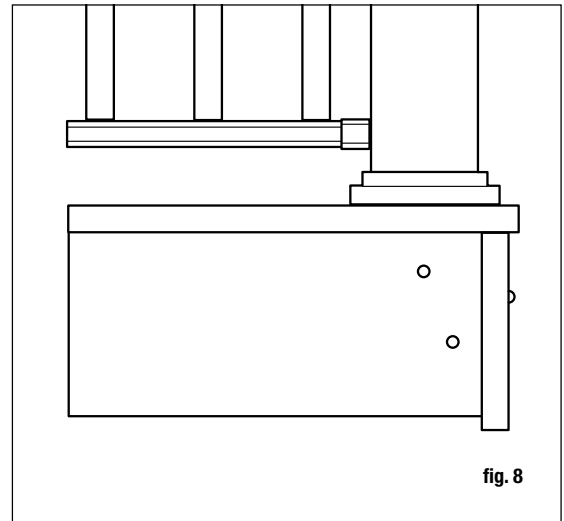
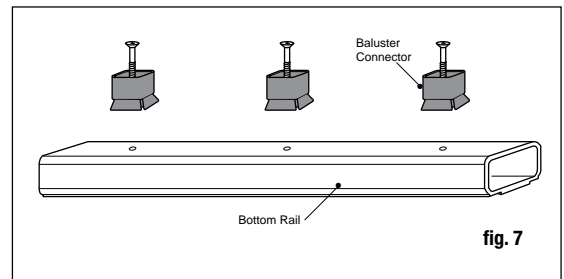
Step 9: Place the line rail bracket covers and line brackets on the ends of the bottom rail. Install the support block and prop the bottom rail between the posts using blocks cut to size. Check the rail for level. Using the line bracket as a guide, mark the screw positions on the post sleeve and rail on both ends. Pre-drill 1/8" pilot holes through the post sleeve and rail. Attach the line bracket to the post sleeve using the #8-15 x 2" - #2 square drive pan head screws and then attach line bracket to rail using #10-16 x 3/4" - #2 square drive pan head self-drilling screws (fig. 6).

Step 10: Place a baluster over each baluster connector on the bottom rail. Make sure baluster is fully seated in connector. Gently tap with a rubber mallet, if needed.

Step 11: Place the line rail bracket covers and line brackets on the ends of the top rail. Position the top rail by placing the baluster connectors inside the balusters, while working from one end to the other. Check the rail for level. Using the line bracket as a guide, mark the screw positions on the post sleeve and rail on both ends. Pre-drill 1/8" pilot holes through the post sleeve and rail. Attach the line bracket to the post sleeve using the #8-15 x 2" - #2 square drive pan head screws and then attach line bracket to rail using #10-16 x 3/4" - #2 square drive pan head self-drilling screws (fig. 6).

Step 12: Slide the rail bracket cover over the rail bracket and snap into place.

Step 13: Apply a thin line of clear exterior construction adhesive to the inside rim of a post cap and place firmly on the post. Repeat for each post.



Stair Railing Installation Instructions

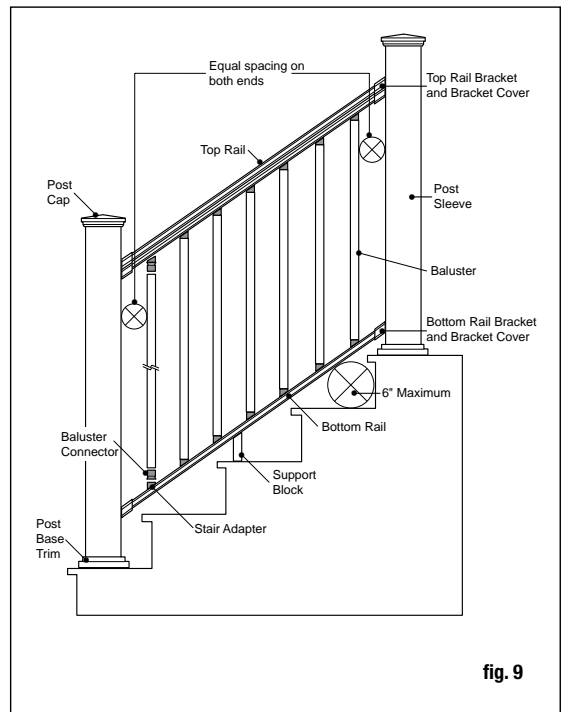
Step 1: Determine the number of stair railing posts needed for your deck. Post spacing is 6' on-center.

Step 2: Install stair railing posts prior to installing stair treads. Cedar or pressure-treated pine 4x4 railing posts or a post mount provides the structural strength for the stair railing. The length of each post is determined by the total of the stringer width + tread thickness + stair railing height + spacing for post cap. *Important: Do not notch the 4x4 railing posts. Notching will reduce the strength of the post and could result in railing collapse or failure (fig. 4).*

Step 3: Position, plumb with a level, and clamp the stair railing post on the interior face of the stringer. Plumb again. The 4x4 stair railing post should be bolted to the inside of the stringer using two 1/2" x 6" galvanized carriage bolts. Corner posts use a third carriage bolt inserted through the adjacent joist (fig. 8). Ground-level posts should be set in concrete.

Step 4: Install treads. Notch treads to fit around the 4x4 stair railing posts. Allow 1/4" space between the treads and any permanent structure or post. Additional blocking may be necessary on the 4x4 for fastening treads.

Step 5: Trim 4x4 post sleeves to length. Post sleeves should be a minimum of 1-1/2" longer than the railing height. Example: For a 36"-high railing, trim post sleeve to a minimum of 37-1/2" or longer if a higher railing is desired. Slide a trimmed post sleeve over each 4x4 railing post. Post sleeve should slide easily over the post. DO NOT FORCE post sleeve onto post. Twisted or crooked 4x4s should be replaced. Slide a post base trim over each post sleeve for a finished look.



Note: It is recommended to install the post base trim prior to installing the bottom rail. However, the two-piece design does allow the installer to add the post base trim after the rail has been installed. To install, apply a thin line of clear exterior construction adhesive to the inside of the post trim-where it will contact the post sleeve-and snap into place around the base.

Step 6: Measure the distance between installed post sleeves to determine the length of the top and bottom rails. Place the bottom rail on the stair treads next to the posts and adjust so the distance between the first baluster hole and post is greater than 1-3/4" or equal on both ends (refer to previous page for fig. 9). Mark the rail to the proper length and angle. Cut the bottom rail. Cut the top rail to the same length and angle (fig. 10).

Step 7: *Note: This step is for installing the Deckorators square composite balusters. To install alternative Deckorators styles, please refer to the installation instructions provided with the balusters.* Attach the baluster connectors with stair adapters (both sold separately) to the bottom rail through the pre-drilled holes using the screws provided (fig. 11).

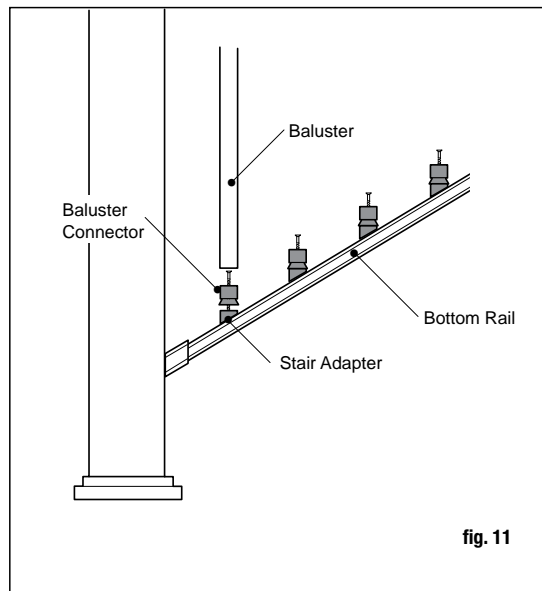
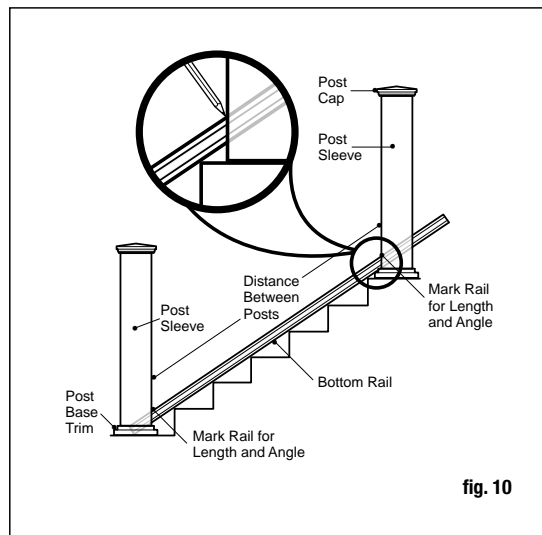
Step 8: Place the proper rail bracket covers and stair brackets on the ends of the bottom rail. Pay particular attention to the brackets being used, as they differ based on top/bottom rail and up/down angle. Prop the bottom rail between the posts on the stair treads (fig. 10). You may need to place equal shims between two stair tread noses to elevate the bottom rail. Check for requirements in your area. Typically, a 6" sphere may not be allowed to pass through the triangle formed by the bottom rail, tread and riser (refer to previous page for fig. 9). Center the stair bracket on the post. Using the stair bracket as a guide, mark the screw positions on the post sleeve and rail on both ends. Pre-drill 1/8" pilot holes through the post sleeve and rail. Attach the stair bracket to the post sleeve using the #8-15 x 2" - #2 square drive flat head screws and then attach stair bracket to rail using #8-16 x 3/4" - #1 square drive wafer head self-drilling screws.

Step 9: Place a baluster over each baluster connector on the bottom rail. Make sure baluster is fully seated in connector. Gently tap with a rubber mallet if needed.

Step 10: Attach baluster connectors to the top rail through the pre-drilled holes using the screws provided. Place the stair rail bracket covers and stair brackets on the ends of the top rail. Position the top rail by placing the baluster connectors inside the balusters, while working from one end to the other. Center the stair bracket on the post. Using the stair bracket as a guide, mark the screw positions on the post sleeve and rail on both ends. Pre-drill 1/8" pilot holes through the post sleeve and rail. Attach the stair bracket to the post sleeve using the #8-15 x 2" - #2 square drive flat head screws and then attach stair bracket to rail using #8-16 x 3/4" - #1 square drive wafer head self-drilling screws.

Step 11: Slide the rail bracket cover over the rail bracket and snap into place.

Step 12: Apply a thin line of clear exterior construction adhesive to the inside rim of a post cap and place firmly on the post. Repeat for each post.



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Step 8 Set the lower rail on the lower inner rail between the posts. Using two 2-1/2" countersunk screws, set the two outermost connectors. For Deckorators aluminum or glass balusters, use the appropriate stair adaptor (sold separately) with the proper baluster connector (sold separately). Using the 1" screws included with the rail kit, install the remaining baluster connectors onto the lower rail assembly.

Step 9 Determine the length of the balusters. Figure 3 illustrates how a 36" high railing might be sized. Use figure 3 as a planning tool to determine the height to cut the post sleeves and the balusters. *Note: Use a fixture to ensure a consistent length (+/- 1/16").* Install balusters on each connector. Gently tap the balusters with a rubber mallet to eliminate any gaps. Check for level end to end. *Tip: Wrap painters tape around the back side of both posts and place balusters against the tape. The tape will balance the balusters in place until the upper rails are installed. Remove tape when upper rail is in place.*

Step 10 *Important: When using Deckorators Designer Baluster Connectors (both Estate and Classic) in conjunction with the stair adaptors, the upper inner rail must be inverted (figure 5). Use an exterior adhesive on the underside of the Designer Baluster Connectors to prevent the balusters from spinning.* Install the remaining baluster connectors and stair adaptors (if applicable) on the underside of the upper inner rail. Set the rail onto the balusters, gently tapping the rail to remove any gaps. Attach the upper inner rail to the brackets by pre-drilling 1/8" holes at each bracket hole and into the inner rail. Fasten the rail to the bracket using 1" countersunk screws.

Step 11 Measure the distance between the posts and, trim the upper outer rail to length, and set on the assembly. *Important: Taking care not to drill all the way through the upper rail, use a 1/8" drill bit to pre-drill four 1/2" deep holes, equally spaced, through the underside of the inner rail and into the underside of the upper rail. Tip: Place a piece of tape 1-1/2" from the end of the drill bit. Do not drill past the tape.* Fasten cap rail in place using four 1-1/2" pan head screws.

Step 12 Apply construction adhesive to the inside edges of the post caps and place over each post sleeve.

Note: Touch-up paint is available to repair any chips or blemishes that occur during assembly and installation. Contact a Deckorators customer service agent at 800-332-5724 for availability.

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CXT PRO INSTALLATION INSTRUCTIONS

For Installations Using Aluminum and Glass Balusters



Tools and Items Needed

- Drill/power screwdriver
- Assorted drill bits
- Hammer
- Miter or circular saw with fine-tooth carbide tip blade
- Construction adhesive
- Marked speed square
- Two clamps
- Carpenter's level
- Carpenter's pencil
- Adjustable wrench or socket wrench for bolts, etc.
- Safety glasses/goggles
- Assorted fasteners (see instructions)
- Tape measure

For Installations Using Aluminum and Glass Balusters

In-Line Railing Installation Instructions

Prior to construction, check with your local regulatory agency for special code requirements in your area. Common railing heights are 36" and 42". Structural support should come from the continuation of deck support posts that extend up through the deck floor or from railing posts that are bolted to the inside of the rim or outer joists. Never span more than 8' on-center between railing posts. Install railing posts before deck boards are fastened to the joists.

Pre-drilling of all railing components is essential to successful installation. Do not over-tighten screws. Read instructions completely to get an understanding of how the product goes together and how each piece affects the other.

Step 1 Determine the number of railing posts needed for your deck. Post spacing is 6' or 8' on-center. Example: A 12'x16' deck attached to a building with a 4' access opening on one side will require a total of eight posts (fig. 1).

Step 2 Install rail posts prior to installing deck boards. Cedar or pressure-treated pine 4x4 railing posts provide the structural strength for the railing. The length of each post is determined by the total of the joist width (7-1/4") + decking thickness (1") + railing height (36" or 42") + spacing for post cap (1-1/4") = 45-1/2" or 51-1/2".

Important Do not notch the 4x4 railing posts. Notching will reduce the strength of the post and could result in railing collapse or failure (fig. 2a).

Step 3 Position, plumb with a level, and clamp the rail post on the interior face of the joist. Plumb again. The 4x4 railing post should be bolted to the inside of the joists using two 1/2"x6" galvanized carriage bolts. Corner posts use a third carriage bolt inserted through the adjacent joist (fig. 2b).

Step 4 Install decking. Notch deck boards to fit around the 4x4 railing posts. Allow 1/4" space between the deck boards and any permanent structure or post. Additional blocking may be necessary on the 4x4 for fastening deck boards.

Step 5 Trim 4x4 post sleeves to length. Post sleeves should be a minimum of 1-1/2" longer than the railing height to accommodate a post cap (fig. 3, following page). Example: For a 36" high railing, trim post sleeve to a minimum of 37-1/2", or longer if desired; can be left longer if desired. Slide a trimmed post sleeve over each 4x4 railing post. Use shims as needed to create a snug fit. Slide a post base trim over each post sleeve.

Step 6 Pre-drilled rails. Note: To ensure the outer balusters are equally spaced, the rail components require trimming at both ends. Ensure the holes are a minimum of 2-5/16" from post. Using the lower pre-drilled rail as a guide, place it adjacent to the post sleeves and center the rail so the furthest pre-drilled holes for the balusters are equal distances from the post sleeves. Mark the gap between the posts on the lower rail and trim to fit. Note: Without pre-drilled rails, trim rail components first, then mark baluster placement on lower rail and upper inner rail, starting from the center of the rail. (Rails without pre-drilled holes are used with glass baluster infill or other unique infill configurations.)

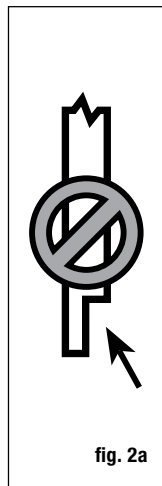
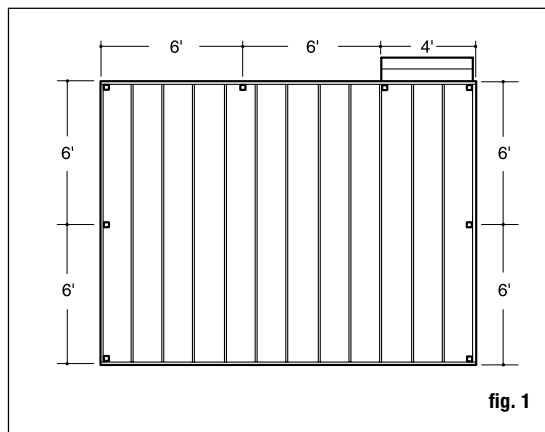
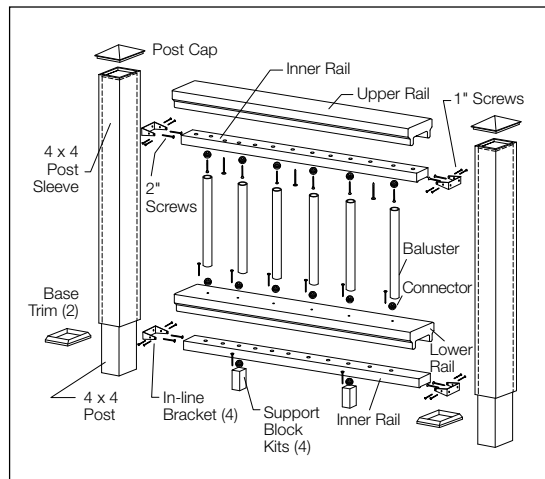


fig. 2a

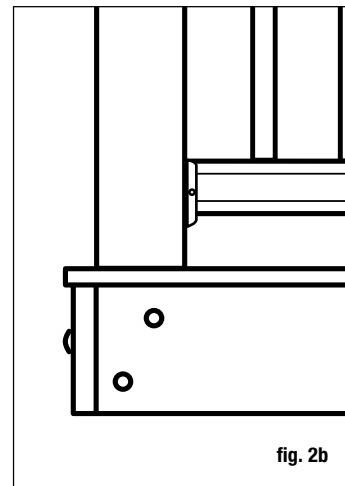


fig. 2b

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Step 7 *Note:* To ensure the balusters are installed plumb, the holes between the rail sections must all be aligned. *Tip:* Use a gauge pin or a 3/32" drill bit to ensure the holes are aligned. Using the trimmed lower rail as a guide, set one inner rail on the trimmed bottom rail and align the pre-drilled holes. Mark the cut lines on the inner rail with a pencil. *Note:* To allow for the thickness of the brackets, the inner rails should be 1/8" shorter than the outer rails with all holes equally spaced. Remove an additional 1/16" from the pencil mark on each end and trim the inner rail to length. Repeat for the second inner rail (fig. 4).

Step 8 Assemble the lower inner rail and support block assembly. A support block is needed every 2' on-center. Check building codes for a maximum spacing between deck surface and bottom of rail (sweep). A 3" sweep is recommended, but can be more or less if codes allow (fig. 3). Trim support blocks to desired height and pre-drill 1/8" holes in the proper locations. Holes must be centered on the inner rail for support blocks to fit properly. Using the support block connectors, fasten support blocks to the underside of the inner rail.

Step 9 Mark the height of the brackets on the inside of the post using the bracket placement template included in the kit. Another option is to use the inner rail as a guide. The top of the bracket should be even with the top of the inner rail assembly. Drill two 1/8" holes through the bracket holes shown on the template and through the post sleeve for both the upper and lower brackets. Remove the bracket placement template from the post sleeve and fasten the upper and lower brackets to the post using two 2" countersunk screws. *Tip:* For best results, use a long drill bit or add an extension bit to the drill. Repeat on the adjacent post. Set the inner rail in between the lower brackets and pre-drill a 1/8" hole at each bracket hole and into the inner rail. Fasten the rail to the brackets using 1" countersunk screws.

Step 10 Set the lower rail on the lower inner rail between the posts. *Tip:* Set the drill to the lowest setting when installing baluster connectors and do not overdrive the screws. Using two 2-1/2" countersunk screws, set the two outermost baluster connectors in place. This will properly align all pre-drilled holes. Using the 1" screws included with the rail kit, remaining baluster connectors onto the lower rail assembly. The screws included with the Deckorators connectors are too long for use with the CXT railing system.

Step 11 Determine the length of the balusters. Figure 3 illustrates how a 36" high railing might be sized. You'll need to account for a 3" sweep + 1-7/8" for the bottom railing + 2-1/8" inches for the top railing, a total of 7". So 36" - 7" = 29" baluster height. If these are the dimensions that you are going to use, cut the balusters to 29" length using a cut-off or miter saw. Use 35" balusters for 42" railings. If you want to have your railing at a different height, use figure 3 as a planning tool to determine the height to cut the post sleeves and the balusters. *Note:* If you are using 32" glass balusters, your overall railing height will be 39". Use a fixture to ensure a consistent length (+/- 1/16"). Trim the balusters to the required length. Install balusters on each baluster connector. Gently tap the balusters with a rubber mallet to eliminate any gaps. Check for level end to end. *Tip:* Wrap painters tape around the back side of both posts and place balusters against the tape. The tape will balance the balusters in place until the upper rails are installed. Remove tape when upper rail is in place.

Step 12 *Important:* When using Deckorators Designer Baluster Connectors (both Estate and Classic), the upper inner rail must be inverted (fig. 5). Use an exterior adhesive on the underside of the Designer Baluster Connectors to prevent the balusters from spinning. Install the baluster connectors on the underside of the top inner rail (fig. 6). Set the rail on to the balusters, gently tapping the rail to remove any gaps. Attach the inner rail to the brackets by pre-drilling 1/8" holes at each bracket hole and into the inner rail. Fasten the rail to the bracket using 1" countersunk screws.

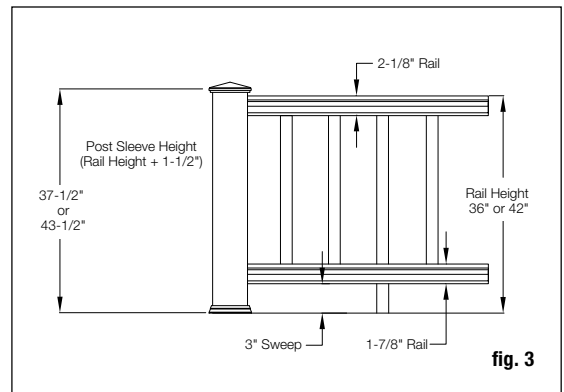


fig. 3

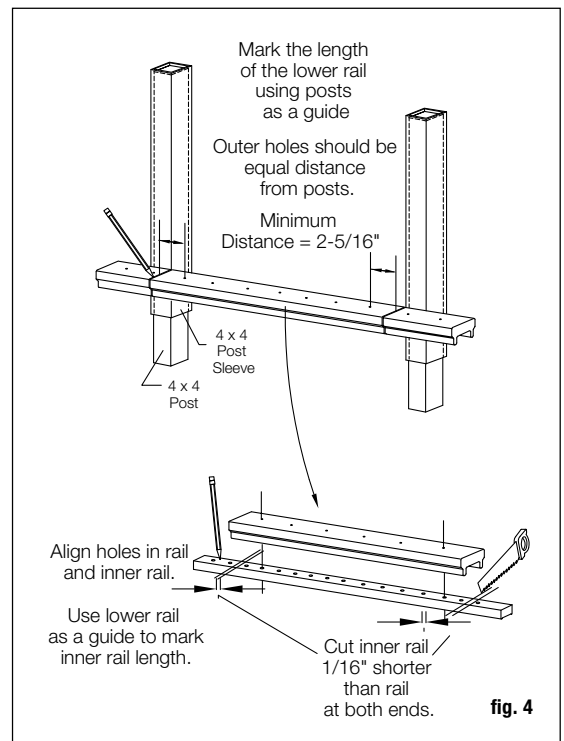


fig. 4

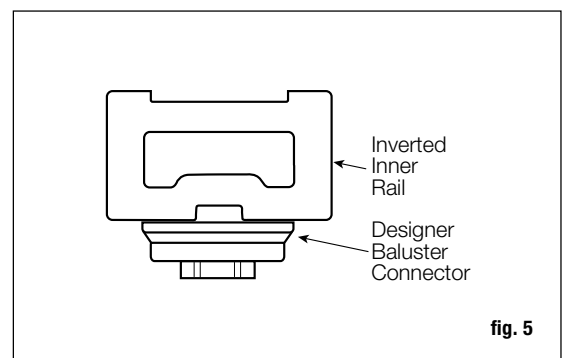


fig. 5

Step 13 Measure the distance between the posts and trim the upper top rail to length and set on the assembly. Taking care not to drill all the way through the upper rail, use a 1/8" drill bit to pre-drill four 1-1/2"-deep holes, equally spaced, through the underside of the inner rail and into the underside of the upper rail. *Tip: Place a piece of tape 1-1/2" from the end of the drill bit. Do not drill past the tape.* Fasten cap rail in place using four 1-1/2" pan head screws.

Step 14 Apply construction adhesive to the inside edges of the post caps and place over each post sleeve.

Stair Railing Installation Instructions

Step 1 Cedar or pressure-treated pine 4x4 railing posts provide the structural strength for the railing. The length of each post is determined by the total of the stair stringer width (7-1/4") + tread thickness (1") + railing height (36" or 42") + spacing for post cap (1-1/4") = 45-1/2" or 51-1/2".

Step 2 Position, plumb with a level, and clamp the rail post on the interior face of the stair stringer. Plumb again. The 4x4 railing post should be bolted to the inside of the stair stringer using two 1/2" x 6" galvanized carriage bolts. Corner posts use a third carriage bolt inserted through the adjacent joist. Ground-level posts should be set in concrete.

Step 3 Complete stair tread installation prior to installing post sleeves. Trim 4x4 post sleeves to length. Post sleeves should be a minimum of 1-1/2" longer than the railing height to accommodate a post cap. Slide a trimmed post sleeve over each 4x4 railing post. Use shims as needed to create a snug fit. Slide a post base trim over each post sleeve.

Step 4 *Note: The rails are pre-drilled. To ensure the outer balusters are equally spaced, the rail components require trimming at both ends.* Using the lower pre-drilled rail as a guide, place it adjacent the post sleeves and center the rail so the furthest pre-drilled holes for the balusters are equal distances from the post sleeves. Using the posts as a guide, mark the angle for the beveled cut vertically through the rail section. Mark the gap between the posts onto the rail and trim to fit.

Step 5 *Note: To ensure the balusters are installed plumb, the holes between the rail sections must all be aligned.* *Tip: Use a gauge pin or a 3/32" drill bit to ensure the holes are aligned.* Using the trimmed lower rail as a guide, set the upper inner rail on top of the trimmed lower rail and align the pre-drilled holes. Mark the cut lines on the inner rail with a pencil. *Note: To allow for the thickness of the brackets, the inner rails should be 1/8" shorter than the lower rails with all holes equally spaced.* Remove an additional 1/16" from the pencil mark on each end and trim the inner rail to length. Repeat for the second inner rail (fig. 7).

Step 6 Assemble the lower inner rail and support block assembly. Position the bottom rail between the posts. Check building code requirements for maximum spacing on a staircase, typically less than 6". A 6" ball cannot pass through the triangle formed by the bottom rail, tread and riser (fig. 8). A support block is needed every 2' on-center. Trim support blocks to desired height and pre-drill 1/8" holes in the proper location. Holes must be centered on the inner rail for support blocks to fit properly. Using the support block connectors, fasten support blocks to the underside of the inner rail.

Step 7 Mark the height of the brackets on the inside of the post using the bracket placement template included in the kit. Another option is to use the inner rail as a guide. The top of the bracket should be even with the top of the inner rail assembly. Drill two 1/8" holes through the bracket holes shown on the template and through the post sleeve, for both the upper and lower brackets. Remove the bracket placement template from the post sleeve and fasten the upper and lower brackets to the post using two 2" countersunk screws.

Tip: For best results, use a long drill bit or add an extension bit to the drill. Repeat on the adjacent post. Set the inner rail in place and pre-drill eight 1/8" holes at each bracket hole and into the inner rail. Fasten the rail to the bracket using eight 1" long countersunk screws.

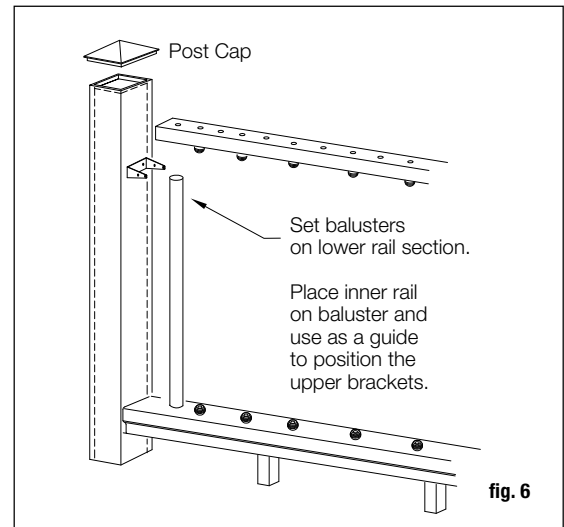


fig. 6

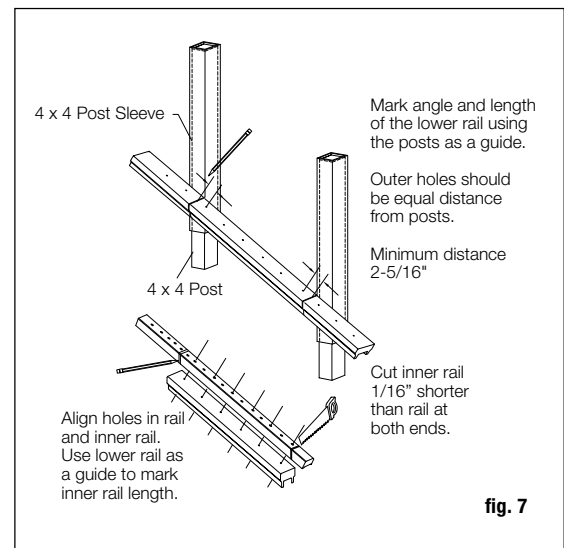


fig. 7

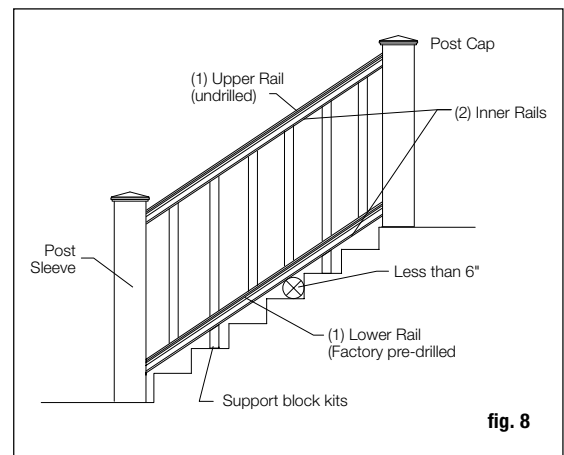


fig. 8

(continued on following page)

Step 9 Connectors come pre-inserted in the CXT balusters. Set the balusters between the trimmed lower rail and the remaining inner rail and fasten in place by driving the 2-1/4" screws included with the baluster kit through the rails into the baluster connectors. Set the baluster and rail assembly on the installed lower inner rail, placing the upper inner rail between the installed upper brackets.

Step 10 Measure the distance between the posts and, trim the upper outer rail to length, and set on the assembly. *Important: Taking care not to drill all the way through the upper rail, use a 1/8" drill bit to pre-drill four 1/2" deep holes, equally spaced, through the underside of the inner rail and into the underside of the upper rail. Tip: Place a piece of tape 1-1/2" from the end of the drill bit. Do not drill past the tape.* Fasten cap rail in place using four 1-1/2" pan head screws.

Step 11 Apply construction adhesive to the inside edges of the post caps and place over each post sleeve.

Note: Touch-up paint is available to repair any chips or blemishes that occur during assembly and installation. Contact a Deckorators customer service agent at 800-332-5724 for availability.

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CXT PRO RAILING INSTALLATION INSTRUCTIONS

For Installations Using Co-Extruded Composite Balusters



Tools and Items Needed

- Drill/power screwdriver
- Assorted drill bits
- Hammer
- Miter or circular saw with fine-tooth carbide tip blade
- Construction adhesive
- Marked speed square
- Two clamps
- Carpenter's level
- Carpenter's pencil
- Adjustable wrench or socket wrench for bolts, etc.
- Safety glasses/goggles
- Assorted fasteners (see instructions)
- Tape measure

For Installations Using Co-Extruded Composite Balusters

In-Line Railing Installation Instructions

Prior to construction, check with your local regulatory agency for special code requirements in your area. Common railing heights are 36" and 42". Structural support should come from the continuation of deck support posts that extend up through the deck floor or from railing posts that are bolted to the inside of the rim or outer joists. Never span more than 8' on-center between railing posts. Install railing posts before deck boards are fastened to the joists.

Pre-drilling of all railing components is essential to successful installation. Do not over-tighten screws. Read instructions completely to get an understanding of how the product goes together and how each piece affects the other.

Step 1 Determine the number of railing posts needed for your deck. Post spacing is 6' or 8' on-center. Example: A 12'x16' deck attached to a building with a 4' access opening on one side will require a total of eight posts (fig. 1).

Step 2 Install rail posts prior to installing deck boards. Cedar or pressure-treated pine 4x4 railing posts provide the structural strength for the railing. The length of each post is determined by the total of the joist width (7-1/4") + decking thickness (1") + railing height (36" or 42") + spacing for post cap (1-1/4") = 45-1/2" or 51-1/2".

Important: Do not notch the 4x4 railing posts. Notching will reduce the strength of the post and could result in railing collapse or failure (fig. 2a).

Step 3 Position, plumb with a level, and clamp the rail post on the interior face of the joist. Plumb again. The 4x4 railing post should be bolted to the inside of the joists using two 1/2"x6" galvanized carriage bolts. Corner posts use a third carriage bolt inserted through the adjacent joist (fig. 2b).

Step 4 Install decking. Notch deck boards to fit around the 4x4 railing posts. Allow 1/4" space between the deck boards and any permanent structure or post. Additional blocking may be necessary on the 4x4 for fastening deck boards.

Step 5 Trim 4x4 post sleeves to length. Post sleeves should be a minimum of 1-1/2" longer than the railing height to accommodate a post cap (fig. 3, following page). Example: For a 36" high railing, trim post sleeve to a minimum of 37-1/2", or longer if desired. Slide a trimmed post sleeve over each 4x4 railing post. Use shims as needed to create a snug fit. Slide a post base trim over each post sleeve.

Step 6 Pre-drilled rails. *Note: To ensure the outer balusters are equally spaced, the rail components require trimming at both ends. Ensure the holes are a minimum of 2-5/16" from post.* Using the lower pre-drilled rail as a guide, place it adjacent to the post sleeves and center the rail so the furthest pre-drilled holes for the balusters are equal distances from the post sleeves. Mark the gap between the posts on to the lower rail and trim to fit. (fig. 4)

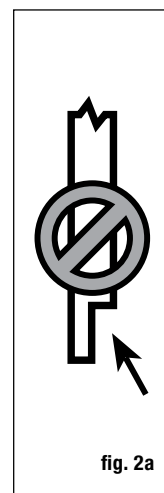
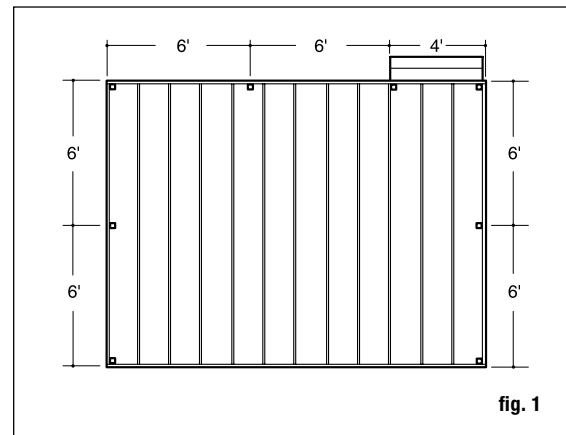
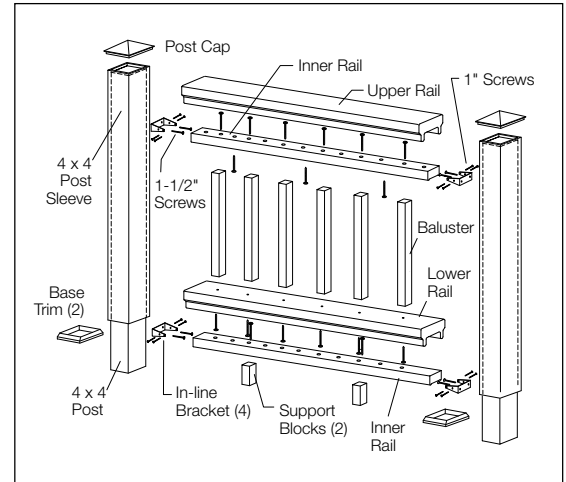


fig. 2a

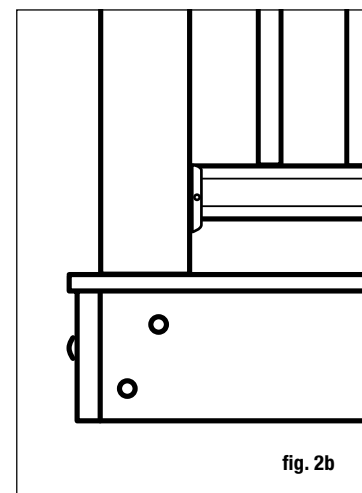


fig. 2b

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Step 7 *Note: To ensure the balusters are installed plumb, the holes between the rail sections must all be aligned. Tip: Use a gauge pin or a 3/32" drill bit to ensure the holes are aligned.* Using the trimmed lower rail as a guide, set one inner rail on the trimmed bottom rail and align the pre-drilled holes. Mark the cut lines on the inner rail with a pencil. *Note: To allow for the thickness of the brackets, the inner rails should be 1/8" shorter than the outer rails with all holes equally spaced.* Remove an additional 1/16" from the pencil mark on each end and trim the inner rail to length. Repeat for the second inner rail (fig. 4).

Step 8 Assemble the lower inner rail and support block assembly. A support block is needed every 2' on-center. Check building codes for a maximum spacing between deck surface and bottom of rail (sweep). A 3" sweep is recommended, but can be more or less if codes allow (fig. 3). Trim support blocks to desired height and pre-drill 1/8" holes in the proper locations. Holes must be centered on the inner rail for support blocks to fit properly. Using the support block connectors, fasten support blocks to the underside of the inner rail.

Step 9 Mark the height of the brackets on the inside of the post using the bracket placement template included in the kit. Another option is to use the inner rail as a guide. The top of the bracket should be even with the top of the inner rail assembly. Drill two 1/8" holes through the bracket holes shown on the template and through the post sleeve for both the upper and lower brackets. Remove the bracket placement template from the post sleeve and fasten the upper and lower brackets to the post using two 2" countersunk screws. *Tip: For best results, use a long drill bit or add an extension bit to the drill.* Repeat on the adjacent post. Set the inner rail in between the lower brackets and predrill a 1/8" hole at each bracket hole and into the inner rail. Fasten the rail to the brackets using 1" countersunk screws.

Step 10 Determine the length of the balusters. Figure 3 illustrates how a 36"-high railing might be sized. Starting with a 3" sweep + 2" for the bottom railing, 29" baluster height + 2" for the top rail = a 36" rail height. Use 29" balusters for a 36" rail height. Use 35" balusters for 42" railings. If you want to have your railing at a different height, use figure 3 as a planning tool to determine the height to cut the post sleeves and the balusters.

Step 11 Connectors come pre-inserted in the CXT balusters. Set the balusters between the trimmed lower rail and the remaining inner rail and fasten in place by driving the 2-1/4" screws included with the baluster kit through the rails into the baluster connectors (fig. 5a). Set the baluster and rail assembly on the installed lower inner rail, placing the upper inner rail between the installed upper brackets (fig. 5b).

Step 12 Measure the distance between the posts and trim the upper top rail to length and set on the assembly. Taking care not to drill all the way through the upper rail, use a 1/8" drill bit to pre-drill four 1-1/2"-deep holes, equally spaced, through the underside of the inner rail and into the underside of the upper rail. *Tip: Place a piece of tape 1-1/2" from the end of the drill bit. Do not drill past the tape.* Fasten cap rail in place using four 1-1/2" pan head screws..

Step 13 Apply construction adhesive to the inside edges of the post caps and place over each post sleeve.

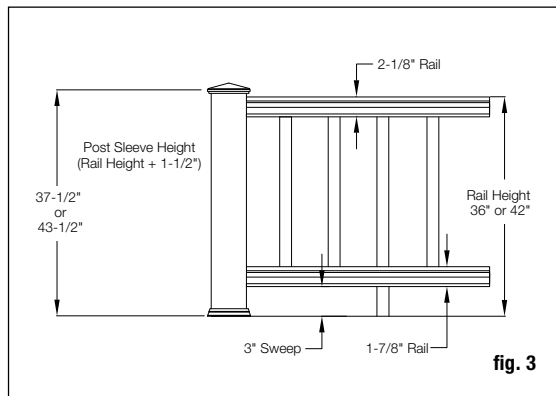


fig. 3

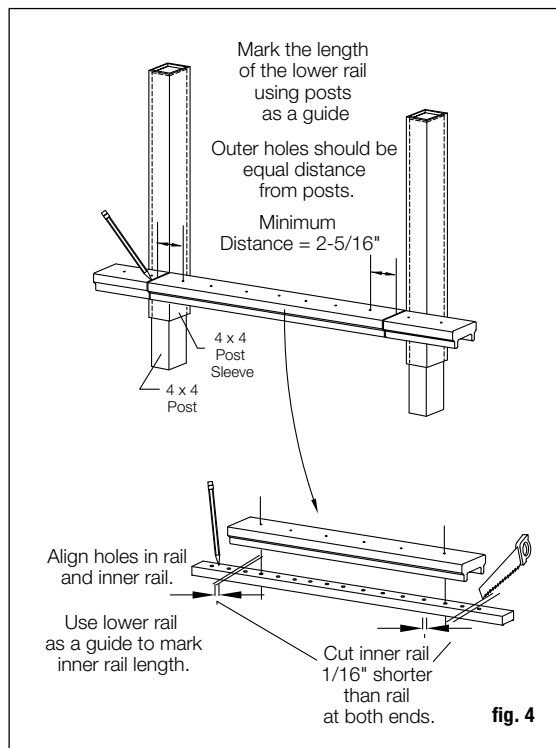


fig. 4

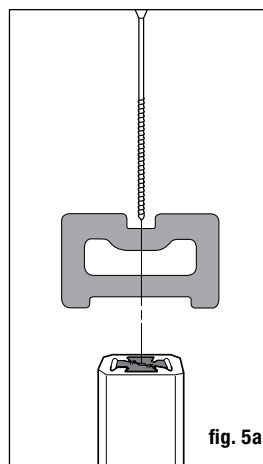


fig. 5a

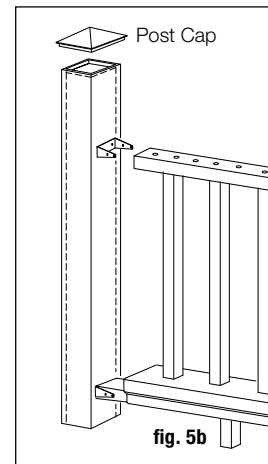


fig. 5b

Stair Railing Installation Instructions

Step 1 Cedar or pressure-treated pine 4x4 railing posts provide the structural strength for the railing. The length of each post is determined by the total of the stair stringer width (7-1/4") + tread thickness (1") + railing height (36" or 42") + spacing for post cap (1-1/4") = 45-1/2" or 51-1/2".

Step 2 Position, plumb with a level, and clamp the rail post on the interior face of the stair stringer. Plumb again. The 4x4 railing post should be bolted to the inside of the stair stringer using two 1/2" x 6" galvanized carriage bolts. Corner posts use a third carriage bolt inserted through the adjacent joist. Ground-level posts should be set in concrete.

Step 3 Complete stair tread installation prior to installing post sleeves. Trim 4x4 post sleeves to length. Post sleeves should be a minimum of 1-1/2" longer than the railing height to accommodate a post cap. Slide a trimmed post sleeve over each 4x4 railing post. Use shims as needed to create a snug fit. Slide a post base trim over each post sleeve.

Step 4 *Note: The rails are predrilled. To ensure the outer balusters are equally spaced, the rail components require trimming at both ends.* Using the lower predrilled rail as a guide, place it adjacent to the post sleeves and center the rail so the furthest predrilled holes for the balusters are equal distances from the post sleeves. Using the posts as a guide, mark the angle for the beveled cut vertically through the rail section. Mark the gap between the posts onto the rail and trim to fit (fig. 6).

Step 5 *Note: To ensure the balusters are installed plumb, the holes between the rail sections must all be aligned. Tip: Use a gauge pin or a 3/32" drill bit to ensure the holes are aligned.* Using the trimmed lower rail as a guide, set the upper inner rail on top of the trimmed lower rail and align the predrilled holes. Mark the cut lines on the inner rail with a pencil. *Note: To allow for the thickness of the brackets, the inner rails should be 1/8" shorter than the lower rails with all holes equally spaced.* Remove an additional 1/16" from the pencil mark on each end and trim the inner rail to length. Repeat for the second inner rail (fig. 6).

Step 6 Assemble the lower inner rail and support block assembly. Position the bottom rail between the posts. Check building code requirements for maximum spacing on a staircase, typically less than 6". A 6" ball cannot pass through the triangle formed by the bottom rail, tread and riser (fig. 7). A support block is needed every 2' on-center. Trim support blocks to desired height and pre-drill 1/8" holes in the proper location. Holes must be centered on the inner rail for support blocks to fit properly. Using the support block connectors, fasten support blocks to the underside of the inner rail.

Step 7 Mark the height of the brackets on the inside of the post using the bracket placement template included in the kit. Another option is to use the inner rail as a guide. The top of the bracket should be even with the top of the inner rail assembly. Drill two 1/8" holes through the bracket holes shown on the template and through the post sleeve, for both the upper and lower brackets. Remove the bracket placement template from the post sleeve and fasten the upper and lower brackets to the post using two 2" countersunk screws.

Tip: For best results, use a long drill bit or add an extension bit to the drill. Repeat on the adjacent post. Set the inner rail in place and pre-drill 1/8" holes at each bracket hole and into the inner rail. Fasten the rail to the brackets using 1" long countersunk screws.

Step 8 Determine the length of the balusters. Figure 3 illustrates how a 36"-high railing might be sized. Use figure 3 as a planning tool to determine the height to cut the post sleeves and the balusters. The balusters will need to be miter cut to the proper stair angle. Push the preinserted connector into the baluster approximately 1/4" and trim the balusters to the required angle and length.

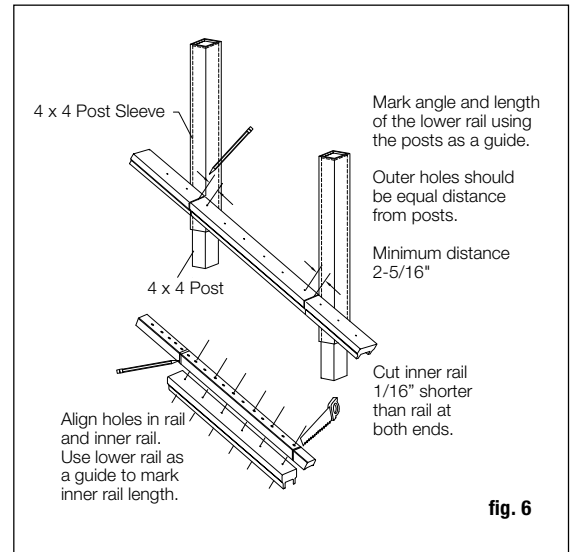


fig. 6

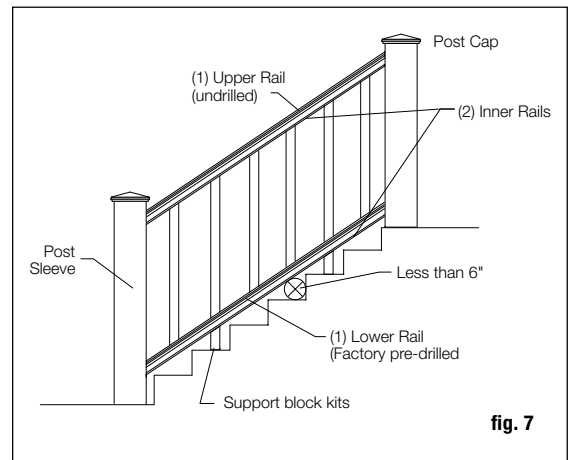


fig. 7

(continued on following page)



ALX CLASSIC INSTALLATION INSTRUCTIONS

Tools and Items Needed

- Drill/power screwdriver
- Carpenter's pencil
- Rubber mallet
- Miter or circular saw with carbide tip blade
- Adjustable wrench or socket wrench for bolts, etc.
- Tape measure
- Marked speed square
- Safety glasses/goggles
- Carpenter's level

In-Line Railing Installation Instructions

Prior to construction, check with your local regulatory agency for special code requirements in your area. Common railing height is 36".

Read instructions completely to get an understanding of how the product goes together and how each piece affects the other.

Step 1 Determine the number of railing posts needed for your deck. Post spacing is 6' or 8' on-center. Example: A 12x16 deck attached to a building with a 4' access opening on one side will require a total of eight posts.

Step 2 Installing posts: Install posts by attaching the aluminum base to the surface of the deck. Position the post so the fastener will go into the floor joist, and make sure the decking is firmly attached to the joist at the location of the posts. If necessary, use wood blocking as reinforcement underneath the decking where the posts are located. Fasteners that hold the post base to the surface should be able to secure to joist or reinforcement braces, not just the decking itself. *Note: When installing aluminum post on top of a wood surface, screws must be lagged into at least 3" of solid wood. 5/4" or 1 1/2" deck boards do not provide sufficient material for a safe installation. If necessary, add additional material to the underside of the surface.*

Step 3 Position the post assembly onto the location where it will be attached to the deck. Four 11/32" diameter mounting holes are provided on the base. When the final position is determined, mark the base hole locations. Remove the post assembly and drill 15/64" holes in the marked locations into the deck and reinforcement.

Step 4 Reposition the post assembly over the predrilled holes and insert the fasteners (not included). Recommended fasteners: 4 – 5/16" x 4" or longer stainless steel lag screws.

Step 5 Finish by sliding a post base trim (optional) over each post for a finished look. *Note: Installing the post base trim prior to installing the bottom rail is recommended. However, the two-piece design does allow the installer to add the post base trim after the rail has been installed. To install, apply a thin line of clear exterior construction adhesive to the inside of the post trim where it will contact the post sleeve and snap into place around the base of the post sleeve.*

Step 6 Measure the distance between installed posts to determine the length of the top and bottom rails (fig. 1). Lay bottom rail on deck. The distance between the post and the first baluster should be less than 4" and equal on both ends. Mark the angle and length. Repeat with the top rail. Remove an additional 1/4" on both ends (1/2" overall) for the bracket to fit between the rail and post. Trim the top and bottom rails to length.

Step 7 Position the bottom rail between posts and center. Check building code requirements for maximum spacing between deck surface and bottom of rail (sweep). Spacing of 3" is recommended, but can be more or less if codes allow. Mark the location of the bracket on both posts. Remove rail. Mark the screw locations and predrill through the posts only, using a 9/64" drill bit.

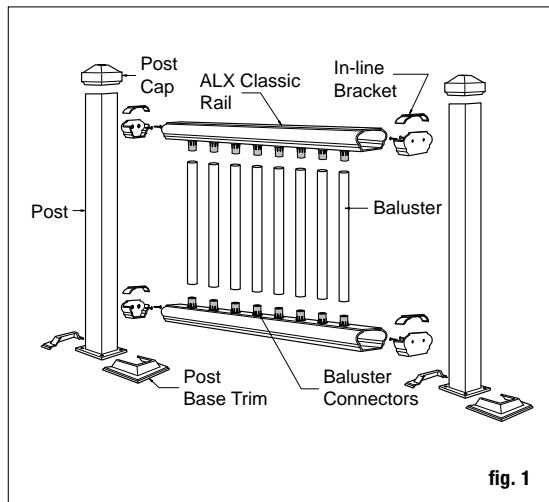


fig. 1

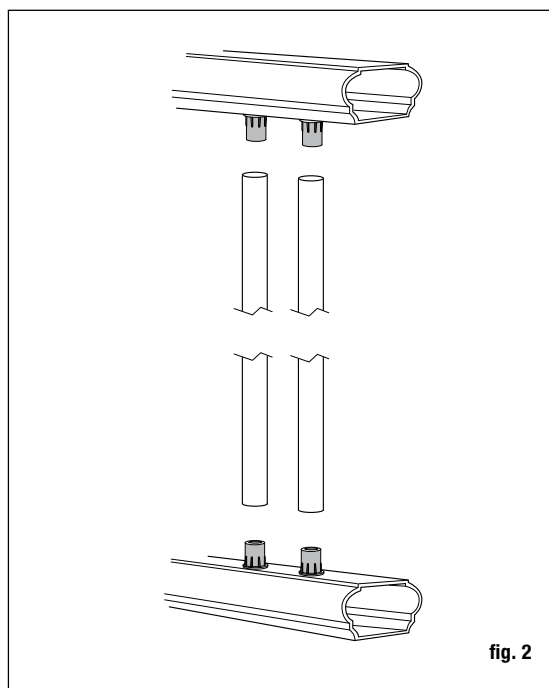


fig. 2

Step 8 Mark the screw location of bracket on bottom rail. Remove bracket. Predrill through the bottom of rail only using a 1/8" drill bit.

Step 9 Attach each bracket to the posts with two 3/4" screws.

Step 10 A support block is needed at the center of each rail. Attach the support block to the support block connector on the bottom of the lower rail. Mark the location of the support block on the deck surface and attach the other support block connector to the deck using the included screw.

Step 11 Install the bottom rail between the posts by setting it in the brackets. Snap top trim piece to the rail bracket. To secure bottom rail to brackets, push 1/8" Christmas tree fasteners through bracket into the rail.

Step 12 Attach baluster to the lower rail by sliding onto connection (fig. 2). *Note: If baluster connectors are not pre-installed on rail, attach connectors to rail using the predrilled holes. Do not over-tighten screws.*

Step 13 Position the top rail between the posts. Check for level end-to-end and vertically. Mark the bracket location on post and remove rail. Mark the screw locations using the bracket as a guide, and predrill using a 1/4" drill bit. Attach bracket to the post with two 3/4" screws at one end. Repeat for the other end.

Step 14 Lower the top rail into position, placing the balusters onto the connectors while working from one end of the railing to the other. Tap with a rubber mallet if needed to eliminate any gaps. Attach the rail to each bracket by predrilling with a number 2 drill bit and using two 3/4" screws. *Tip: Use a driver extension bit to avoid marring the rail with the drill chuck.*

Step 15 Set post caps on each post. Gently tap with rubber mallet till secure.

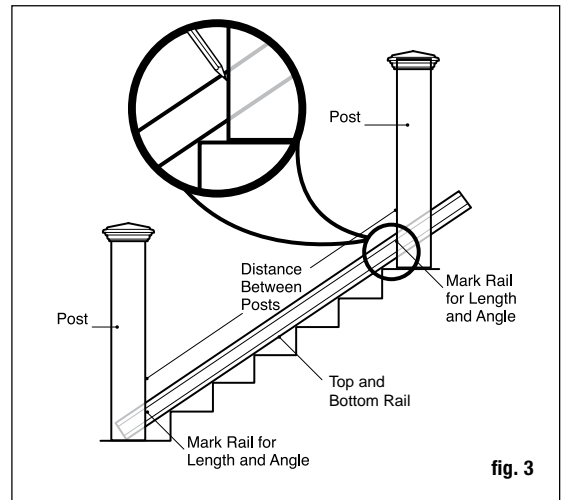


fig. 3

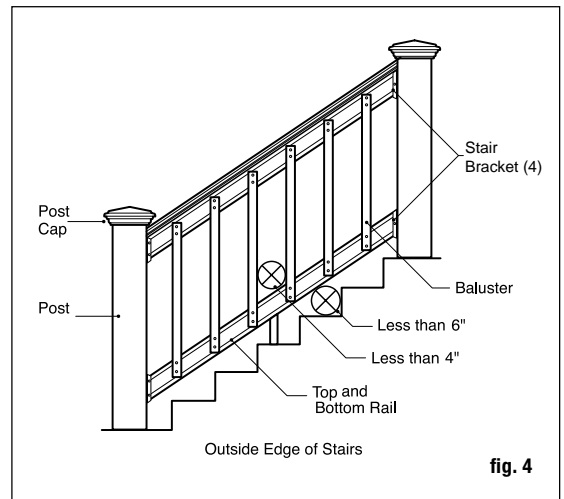


fig. 4

Stair Railing Installation Instructions

Step 1 Begin by determining where the top and bottom post will be located. Mark the desired location of the post. *Note: To ensure post location is compatible with railing, prior to securing to the deck, place both posts in position, and lay the bottom rail along the stair nosing from top to bottom adjacent to both posts. On the rail side of the post, measure up from the top of the rail and ensure there is a minimum of 34" to the top of the post. Post location may need to be adjusted to ensure minimum is obtained. Repeat this step for the bottom post.* For a wood deck, position the post so the fasteners will go into the floor joists, and make sure the decking is firmly attached to the joists at the location of the posts. If necessary, use wood blocking as reinforcement underneath the decking where the posts are located. Fasteners which hold the post base to the surface should be able to secure to joist or reinforcement braces, not just the decking itself.

Step 2 Four 11/32" diameter mounting holes are provided on the base. When final position is determined, mark hole locations and remove the post assembly. Drill the marked locations into decking and reinforcement braces.

Step 3 Reposition the post assembly over predrilled holes. Insert fasteners (not provided), then secure the base to the deck structure. Make certain the posts are plumb. If the post requires adjustment, add stainless steel washers under the base plate.

Step 4 Finish by sliding a post base trim (optional) over each post sleeve for a finished look. *Note: Installing the post base trim prior to installing the bottom rail is recommended. However, the two-piece design does allow the installer to add the post base trim after the rail has been installed. To install, apply a thin line of clear exterior construction adhesive to the inside of the post trim where it will contact the post sleeve and snap into place around the base of the post sleeve.*

Step 5 Measure the distance between installed posts to determine the length of the top and bottom rails. Lay bottom rail on stairs with the predrilled holes facing down. The distance between the post and the first baluster should be less than 4" and equal on both ends. Mark the angle and length. Do the same

with the top rail. Remove an additional 1/4" on both ends (1/2" overall) for the bracket to fit between the rail and post. Trim the top and bottom rails to length with the same angle (fig. 3).

Step 6 Determine the spacing of the balusters, 4-1/2" maximum on-center, and equal spacing for the end spacing. The rails are predrilled with the proper spacing. Use a number 2 drill bit to open up the predrilled holes to the angle of the stairs. The top and bottom connectors will be facing opposite directions. Attach baluster connectors to rails. Do not over-tighten screws. Apply silicone caulk on each connector to prevent balusters from turning or rattling after installation is complete. The caulk should be on the outside of the round connector and on the inside of the baluster connectors.

Step 7 Position the bottom rail between posts and center. Check building code requirements for maximum spacing on a staircase, typically less than 6". A 6" ball cannot pass through the triangle formed by the bottom rail, tread and riser (fig. 4). Mark the location of the bracket on both posts. Remove rail. Mark the screw locations and predrill through the post only using a number 2 drill bit.

Step 8 Mark location of bracket on bottom rails. Remove bracket. Predrill through the rail only, using a 1/8" drill bit.

Step 9 Attach each bracket to the post with two 1-3/4" screws.

Step 10 A support block is needed at the center of each rail. Attach support block connector to the bottom of the lower rail by finding the center of the rail and predrill using a number 2 drill bit. Attach the support block connector using the included screw. Mark the location of the support block on the step tread and attach the other support block connector to the step tread using the included screw.

Step 11 Install the bottom rail between the posts by setting rail in brackets. Snap top trim piece to the rail bracket. To secure bottom rail to brackets, push 1/8" Christmas Tree fasteners through bracket into the rail.

Step 12 Attach balusters to the lower rail by sliding onto the connectors.

Step 13 Position the top rail between the posts. Check for plumb end-to-end and vertically. Mark the bracket location on post and remove rail. Mark the screw locations using the bracket as a guide, and predrill using a number 2 drill bit. Attach a bracket to the post with two 1-3/4" screws at one end. Repeat for the other end. Lower the top rail into position, placing the balusters onto the stair connectors while working from one end of the railing to the other. Tap with a rubber mallet if needed to eliminate any gaps. Attach the rail to each bracket by predrilling with a number 2 drill bit and using two 3/4" screws. *Tip: Use a driver extension bit to avoid marring the rail or post with the drill chuck.*

Step 14 Set post caps on each post. Gently tap with rubber mallet to secure.

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ALX PRO RAILING INSTALLATION INSTRUCTIONS



Tools and Items Needed

- Drill/power screwdriver
- Miter or circular saw with carbide-tipped blade
- Adjustable wrench or socket wrench for bolts, etc.
- Assorted fasteners (see instructions)
- Tape measure
- Hammer
- Marked speed square
- Carpenter's level
- Carpenter's pencil
- Safety glasses/goggles
- Two clamps
- Hack saw
- Exterior-grade metal construction adhesive

In-Line Railing Installation Instructions

Prior to construction, check with your local regulatory agency for special code requirements in your area. Common railing height is 36" or 42". Structural support should come from either the continuation of deck support posts that extend up through the deck floor or railing posts that are bolted to the inside of the rim or outer joists. **Important: Never span more than 8' on-center between railing posts. Install railing posts before deck boards are fastened to the joists. Pre-drilling of all railing components is essential to successful installation. Work area should be kept clean of debris, including metal shavings that can cause scratching. Do not over-tighten screws. Read instructions completely to get an understanding of how the product goes together and how each piece affects the other.**

Step 1 Determine the number of railing posts needed for your deck. Post spacing is 6' or 8' on-center. Example: A 12x16 deck attached to a building with a 4' access opening on one side will require a total of eight posts.

Step 2 Install rail posts prior to installing deck boards. Cedar or pressure-treated pine 4x4 railing posts provide the structural strength for the railing. The length of each structural post is determined by the total of the joist width (7-1/4") + decking thickness (1") + railing height (36" or 42")= 44-1/4" or 50-1/4".

Important: Do not notch the 4x4 railing posts (fig. 2a). Notching will reduce the strength of the post and could result in railing collapse or failure.

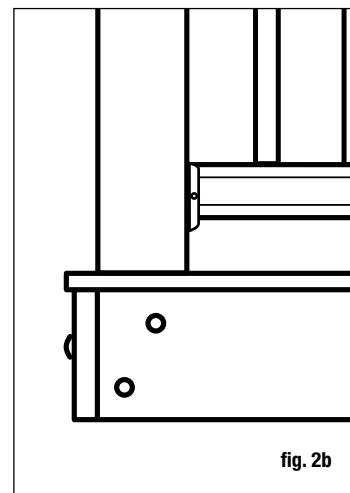
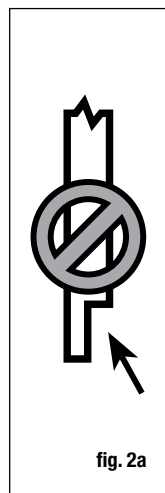
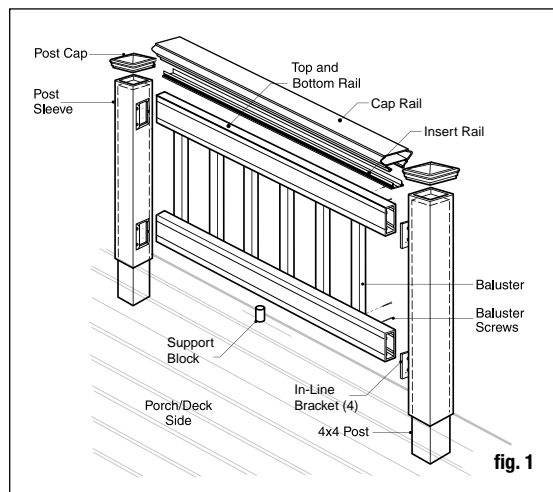
Step 3 Position, plumb with a level, and clamp the rail post on the interior face of the joist. Plumb again. The 4x4 railing post should be bolted to the inside of the joists using two 1/2"x6" galvanized carriage bolts. Corner posts use a third carriage bolt inserted through the adjacent joist (fig. 2b).

Step 4 Install decking. Notch deck boards to fit around the 4x4 railing posts.

Step 5 Trim 4x4 post sleeves to length. Post sleeves should be a minimum of 1-1/2" longer than the overall railing height. Allow an additional 1-1/2" in your calculation if installing the optional cap rail (fig. 3, following page). Example: For a 36" high railing, trim post sleeve to a minimum of 37-1/2" (39" with cap rail). Post sleeve can be left longer if desired.

Some wood preservatives may cause an undesirable reaction when placed in direct contact with aluminum. The inside of the post sleeve includes a liner to prevent direct contact with treated structural posts. If your decking is pressure-treated, place shims under the post sleeve or run a bead of caulk along the bottom edge of the post prior to installing the post sleeve. This will keep the aluminum from having direct contact with the treated decking and will be concealed by the post base trim. Slide a trimmed post sleeve over each 4x4 railing post. Slide a post base trim over each post sleeve. Add a bead of caulk to the underside of the post base trim when using treated decking.

Step 6 Measure the distance between installed post sleeves to determine the length of the top and bottom rails (fig. 1). The distance between the post and first baluster should be less than 4" and equal on both ends (fig. 3, following page). Remove an additional 1/4" on both ends (1/2" overall) for the bracket to fit between the rail and post. Trim the top and bottom rails to length.



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Angle adaptor wedges are available for 22.5° and 45° rail angles. **Important: the holes in the angle adaptor wedges line up with the stair rail connectors (sold separately). If installing a 22.5° angle railing, attach the stair connectors and wedges centered on the posts. If installing a 45° angle railing, attach the 45° adaptor wedges centered on the posts. Attach stair connectors to the 45° using the provided screws.**

Measure the distance between the installed angle connectors to determine the length of the top and bottom rails. Cut the top and bottom rails to length.

Step 7 Determine the spacing of the balusters.

Classic, Estate and Twist balusters The rails are pre-drilled with the proper spacing. Attach baluster connectors to the top and bottom rails. Do not over-tighten screws. Apply silicone caulk on each connector to prevent balusters from turning or rattling after installation is complete. The caulk should be on the outside of the round connector, and on the inside of the designer baluster connectors.

Ellipse balusters Both top and bottom rails will be installed with the pre-drilled holes facing down to prevent water from collecting in the rail. 4-1/4" on-center and equal spacing for the end spacing. Start by finding the center of the rail. Rail length ÷ 2 = center of rail. Mark every 4-1/4" from the center line to each end. This will leave the end spacing 4" or less on both ends and require 3 Ellipse balusters per foot. Attach connectors to both rails on marked locations.

Traditional, Baroque and Arc balusters Both top and bottom rails will be installed with the pre-drilled holes facing down to prevent water from collecting in the rail. Maximum 4-1/2" on-center and equal spacing for the end spacing. Start by finding the center of the rail. Rail length ÷ 2 = center of rail. Start the first aluminum baluster on-center of the center line. Mark every 4-1/2" from this line to each end. This will leave the end spacing less than 4" on both ends and require 2.5 aluminum balusters per foot (fig. 4). Tip: Use a piece of 2x4 (3-1/2" actual) as a spacer block for the spacing between balusters.

Glass balusters Both top and bottom rails will be installed with the pre-drilled holes facing down to prevent water from collecting in the rail. 7-1/2" on-center and equal spacing for the end spacing. Start by finding the center of the rail. Rail length ÷ 2 = center of rail. Start the first glass baluster on-center of the center line. Mark every 7-1/2" from the center line to each end. This will leave the end spacing 4" or less on both ends and require 1.5 glass balusters per foot. If installing using connectors, attach connectors to both rails on marked locations. Tip: If face-mounting to rail, use a piece of 2x4 (3-1/2" actual) as a spacer block for the spacing between balusters (fig. 5).

Step 8 Position the bottom rail between posts and center. *Note: Check building code requirements for maximum spacing between deck surface and bottom of rail (sweep).* Spacing of 3" is recommended, but can be more or less if codes allow (fig. 3). Mark the location of the bracket on both posts. Remove rail. Mark the screw locations and pre-drill through the post sleeve only, using a 1/4" drill bit. Attach each bracket to the post with two 2" screws.

Step 9 A support block is needed at the center of each rail. Cut the support block to the proper height. Attach to the bottom of the lower rail (refer to fig. 1). Find the center of the rail and pre-drill using a 1/8" drill bit. Attach the support block connector using the included screw. Mark the location of the support block on the deck surface and attach the other support block connector to the deck using the included screw. Install the bottom rail between the posts. Using the brackets as a guide, pre-drill each screw hole using a 1/8" drill bit and attach each end to brackets using two 1" screws. *Tip: Use a driver extension bit to avoid marring the rail or post sleeve with the drill chuck.*

Step 10 Figure 3 illustrates how a 36"-high railing might be sized. *Note: Use a fixture to ensure a consistent length (+/- 1/16").*

Classic, Estate, Twist, Ellipse balusters and Glass balusters using connectors Attach balusters to the lower rail by sliding onto connectors (fig. 4).

Step 11 Position the top rail between the posts. Check for level end-to-end and vertically. Mark the bracket location on post sleeve and remove rail. Mark the screw locations using the bracket as a guide, and pre-drill using a 1/4" drill bit through the post sleeve only. Attach bracket to the post with two 2" screws at one end. Repeat for the other end.

Classic, Estate, Twist, Ellipse balusters and Glass balusters using connectors Lower the top rail into position, placing the balusters onto the connectors while working from one end of the railing to the other. Tap with a rubber mallet if needed to eliminate any gaps. Attach the rail to each bracket by pre-drilling with a 1/8" drill bit and using three 1" screws. *Tip: Use a driver extension bit to avoid marring the rail or post sleeve with the drill chuck.*

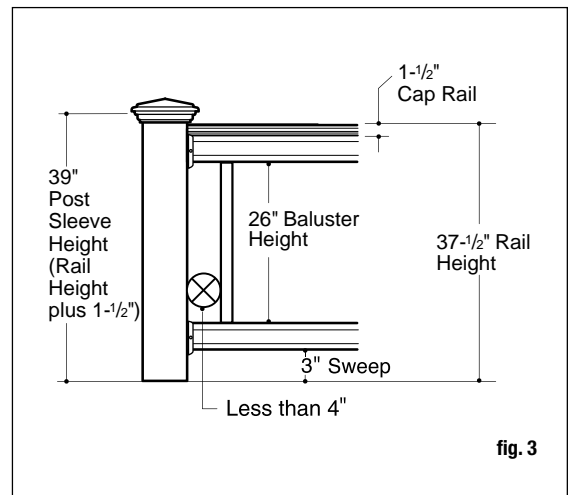


fig. 3

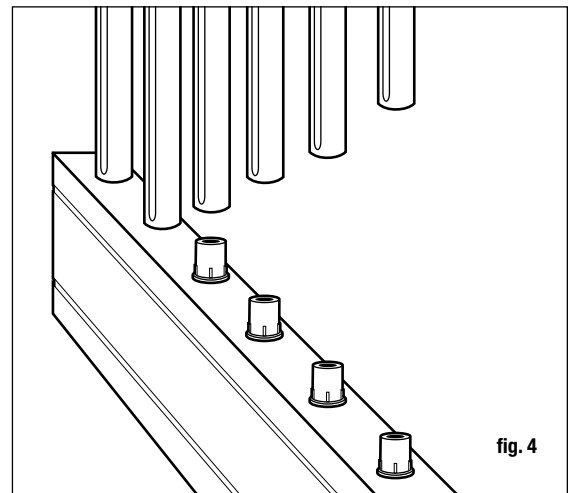


fig. 4

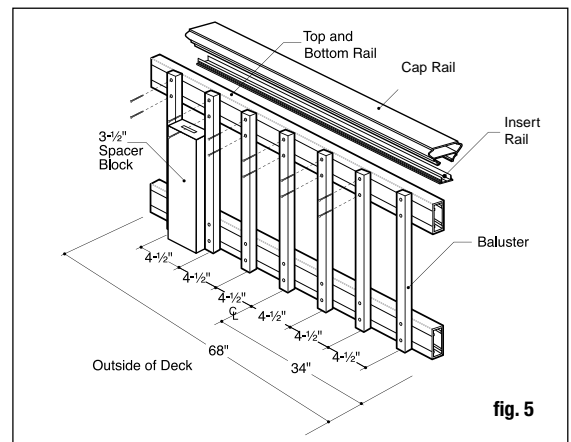


fig. 5

Traditional, Baroque, Arc balusters and Face-Mount Glass balusters Place the top rail in position. Attach the rail to each bracket by pre-drilling with a 1/8" drill bit and using three 1" screws. Tip: Use a driver extension bit to avoid marring the rail or post sleeve with the drill chuck.

Step 12 Traditional, Baroque, Arc balusters and Face-Mount Glass balusters Start the first baluster on-center of the center of the rail and work out to each end. Using the baluster as a guide, drill 9/64" holes in the rails at each baluster location. Use a 2x4 as a spacer block to space the next baluster. Working toward the ends, drill and attach each baluster with the screws provided (fig. 5).

Step 13 (optional) Cut the cap rail and cap rail insert to length. (Note: the cap rail will be 1/2" longer than the top and bottom rails.) Center the cap rail insert on top of the top rail and pre-drill seven 1/8" pilot holes. Attach the cap rail insert to the top rail with seven 1/2" screws. Apply exterior-grade metal construction adhesive to the mating edges of the insert rail. Position cap rail over the insert rail (fig. 6). Install by pressing down, starting from one end and working to the other until the cap rail snaps into place. Gently tap with a rubber mallet if needed.

Angled Railings: For 22.5° rail angles, cut the cap rail and cap rail insert to length and angle using a miter saw. Sand the ends and apply touch-up paint as needed (sold separately). Attach to the top rail following the steps above.

45° rail angles will require a cap rail wedge on top of the 45° adaptor (fig. 7). The cap rail wedge will be cut out of the cap rail. The wedge will require a straight cut on the end in contact with the post and a 22.5° cut on the opposite end. The distance from the post to the wide edge of the wedge is 1-3/4". Cut two cap rail and insert wedges using a miter saw and install to the top of the 45° adaptors following the steps above. The cap rail will require a 22.5° cut on both ends to match the width of the cap rail wedges. Measure the distance between the installed wedges and cut both ends to length and angle using a miter saw. Sand the cut ends and apply touch-up paint as needed (sold separately) to make the seam less noticeable. Attach the cap rail to the top rail following the steps above.

Step 14 Apply exterior-grade metal construction adhesive to the inside edges of the post caps and place over each post sleeve.

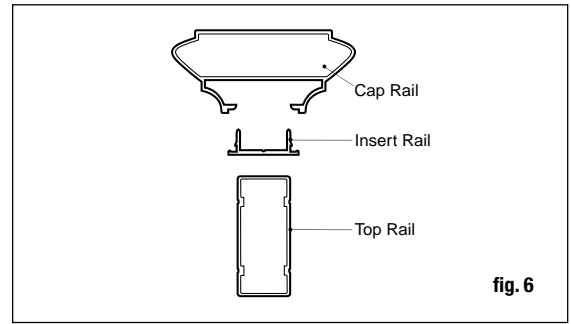


fig. 6

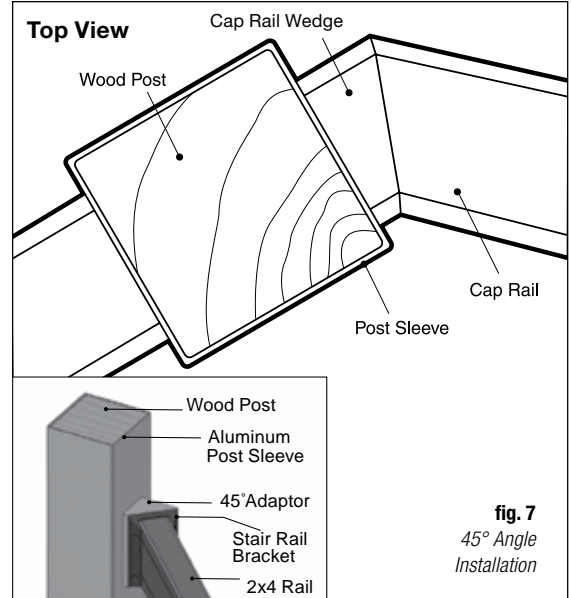


fig. 7
45° Angle Installation

Stair Railing Installation Instructions

Step 1 Cedar or pressure-treated pine 4x4 railing posts provide the structural strength for the railing. The length of each structural post is determined by the total of the stair stringer width (7-1/4") + decking thickness (1") + railing height (36" or 42") = 44-1/4" or 50-1/4".

Step 2 Position, plumb with a level, and clamp the rail post on the interior face of the stair stringer. Plumb again. The 4x4 railing post should be bolted to the inside of the stair stringer using two 1/2" x 6" galvanized carriage bolts. Corner posts use a third carriage bolt inserted through the adjacent joist (refer to figure 2b). Ground-level posts should be set in concrete.

Step 3 Complete stair tread installation prior to installing post sleeves. Trim 4x4 post sleeves to length. If using post caps, post sleeves should be a minimum of 1-1/2" longer than the overall railing height (fig. 3). Allow an additional 1-1/2" in your calculation if installing the optional cap rail. Example: For a 36" high railing, trim post sleeve to a minimum of 37-1/2" (39" with cap rail). Post sleeve can be left longer if desired.

Some wood preservatives may cause an undesirable reaction when directly in contact with aluminum. The inside of the post sleeve includes a liner to prevent direct contact with treated structural posts. If your decking is pressure-treated, place shims under the post sleeve or run a bead of caulk along the bottom edge of the post prior to installing the post sleeve. This will keep the aluminum from direct contact with the treated decking and will be concealed by the post base trim. Slide a trimmed post sleeve over each 4x4 railing post. Slide post base trim over each post sleeve. Add a bead of caulk to the underside of the post base trim when using treated decking.

Step 4 Measure the distance between installed post sleeves to determine the length of the top and bottom rails. Lay bottom rail on stairs with the pre-drilled holes facing down. The distance between the post and first baluster should be less than 4" and equal on both ends. Mark the angle and length. Do the same with the top rail. Remove an additional 1/4" on both ends (1/2" overall) for the bracket to fit between the rail and post. Trim the top and bottom rails to length with the same angle (fig. 8).

Step 5 Determine the spacing of the balusters, 4-1/2" maximum on-center (7-1/2" on-center if using glass balusters, 4-1/4" on-center if using Ellipse balusters), and equal spacing for the end spacing (see step 7 of the in-line instructions for details).

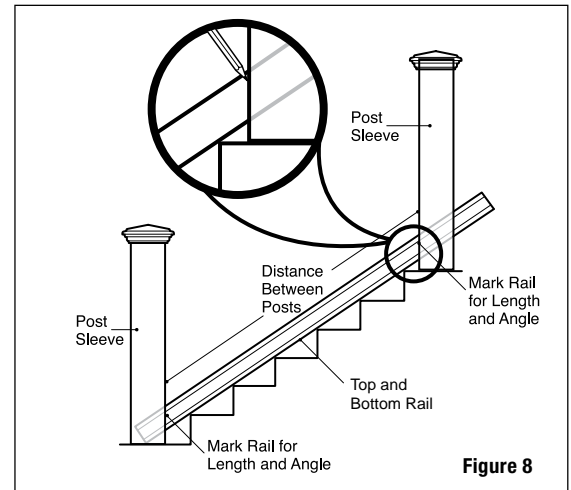


Figure 8

If using Classic, Estate, Twist or Ellipse balusters, use a 1/8" drill bit to open up the pre-drilled holes to the angle of the stairs. The top and bottom connectors will be facing opposite directions. Attach stair baluster connectors to the rails. Do not over-tighten screws. Apply silicone caulk on each connector to prevent balusters from turning or rattling after installation is complete. The caulk should be on the outside of the round connector and on the inside of the designer baluster connector.

Step 6 Position the bottom rail between posts and center. Check building code requirements for maximum spacing on a staircase, typically less than 6". A 6" ball cannot pass through the triangle formed by the bottom rail, tread and riser (fig. 9). Mark the location of the bracket on both posts. Remove rail. Mark the screw locations and pre-drill through the post sleeve only using a 1/4" drill bit. Attach each bracket to the post with two 2" long screws.

Step 7 A support block is needed at the center of each rail. Cut the support block to desired height. Attach to the bottom of the lower rail (refer to fig. 1). Find the center of the rail and pre-drill using a 1/8" drill bit. Attach the support block connector using the included screw. Mark the location of the support block on the step tread and attach the other support block connector to the step tread using the included screw.

Step 8 Position the bottom rail between the posts. Pre-drill with a 1/8" drill bit and attach the rail to the stair brackets using four 1" screws on both ends. *Tip: Use a driver extension bit to avoid marring the rail or post sleeve with the drill chuck.*

Classic, Estate, Twist and Ellipse balusters Attach balusters to the lower rail by sliding onto connectors.

Step 9 Position the top rail between the posts. Check for plumb end-to-end and vertically. Mark the bracket location on post sleeve and remove rail. Mark the screw locations using the bracket as a guide, and pre-drill using a 1/4" drill bit through the post sleeve only. Attach bracket to the post with two 2" long screws at one end. Repeat for the other end.

Classic, Estate, Twist and Ellipse balusters Lower the top rail into position, placing the balusters onto the stair connectors while working from one end of the railing to the other. Tap with a rubber mallet if needed to eliminate any gaps. Attach the rail to each bracket by pre-drilling with 1/8" drill bit and using four 1" screws. *Tip: Use a driver extension bit to avoid marring the rail or post sleeve with the drill chuck.*

Traditional, Baroque, Arc and Glass balusters Place the top rail in position. Attach the rail to each bracket by pre-drilling with a 1/8" drill bit and using four 1" screws. *Tip: Use a driver extension bit to avoid marring the rail or post sleeve with the drill chuck.*

Step 10 Traditional, Baroque and Arc balusters Place a baluster on the rails on-center of one of the marked positions (4-1/2" on-center or 7-1/2" on-center for glass). Make sure the baluster is plumb. Using the baluster as a guide, drill 9/64" holes in the top and bottom rails. Drill and attach baluster with the screws provided. Use a 2x4 spacer block to space next baluster. Drill and attach each baluster to the top and bottom rails with the screws provided. Using a pair of clamps to hold baluster in place while fastening will make this step easier (fig. 9).

Step 11 (optional) Cut the cap rail and cap rail insert to length (Note: the cap rail will be 1/2" longer than the top and bottom rails). Center the cap rail insert on top of the top rail and pre-drill seven 1/8" pilot holes. Attach the cap rail insert to the top rail with seven 1/2" long screws. Apply exterior-grade metal construction adhesive to the mating edges of the insert rail. Position cap rail over the insert rail. Install by pressing down, starting from one end and working to the other until the cap rail snaps into place. Gently tap with a rubber mallet if needed.

Step 12 Apply exterior-grade metal construction adhesive to the inside edges of the post caps and place over each post sleeve.

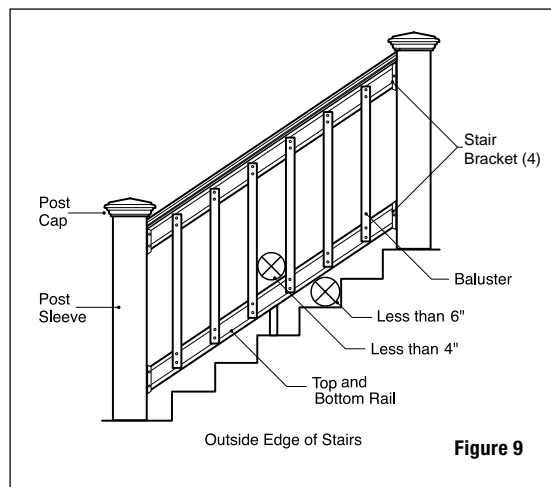


Figure 9

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LOW VOLTAGE LIGHTING CLIP SYSTEM

Before You Start

Consult your local codes and ordinances before installing low-voltage products.

How It Works

The system is powered by a low-voltage AC transformer (a).

The junction box (b) disperses the power from the transformer to the individual lighting components.

When installing junction boxes on a composite or aluminum railing, they're typically located at the top of the post. When installing on a wood railing, they can be located at the bottom of the post.

The individual lighting components (c) clip into the outlets in the junction box to receive power. Extension cords and 3-1 splitters are available to span distances from junction box to lighting components.

Installation Guide

Step 1: Install the transformer in accordance with the instructions included.

Step 2: Run your main low-voltage cable from the transformer, around the perimeter of the deck, to the location of each light. Leave extra loops at the top or bottom of each post where you intend to install your junction boxes.

Step 3: Install junction box.

3a Cut the wire loop where you plan to install the junction box. Strip both ends of the wire (fig. 1a).

3b Remove junction box cover and loosen screws on inside of junction box.

3c Insert both ends of the wire, into each side of the junction box and tighten screws (fig. 1b).

3d Replace junction box cover.

Step 4: Install Lighting Components.

4a Low-voltage Post Caps

1. Plug the male end of the clip (d) into one of the junction box outlets and place the post cap onto the post (fig. 2).

4b Low-voltage Post Sconces

1. Determine the location of the sconce on the post. Using the back of the sconce (e) as a template, mark the location of the two screws.

2. Attach the back of the sconce to the post using the screws provided.

3. Drill a 5/16" hole directly in between the two holes for the wire. Run the wire from the sconce cover (f) through the hole in the post to the junction box (fig. 3).

4. Snap the sconce cover to the back of the sconce.

5. Plug the male end of the clip into one of the junction box outlets.

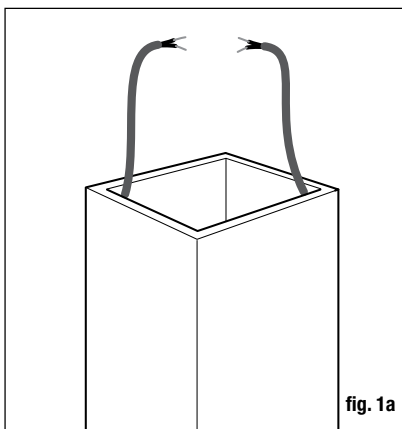
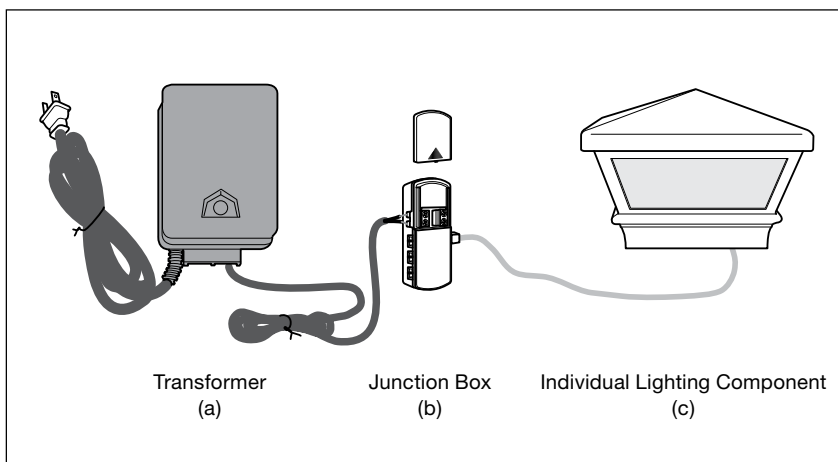


fig. 1a

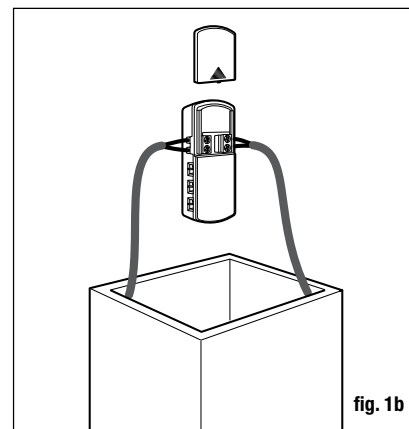


fig. 1b

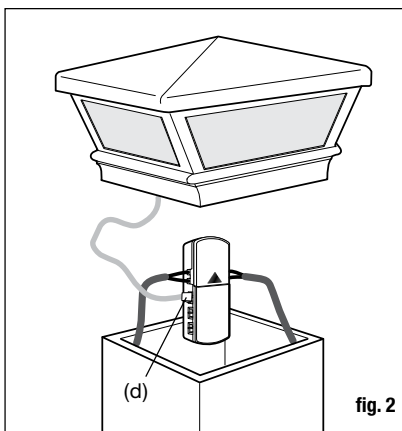


fig. 2

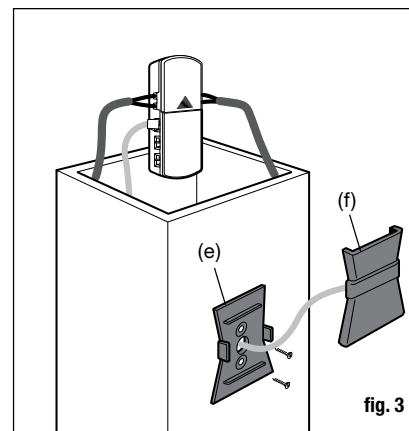


fig. 3

4c Underrail strip light

1. If installing under a bottom rail, it is best to attach the light to the rail prior to attaching the rail to the post.
2. Install each bracket to the underside of the bottom rail using the screws provided. Center holes in the bracket should be 18" apart. Snap strip light into each bracket (Brackets pivot on center screw to line up with the lights) (fig. 4a).
3. Install railing according to the instructions included.
4. Drill a 5/16" hole in the post directly below the bottom rail. Run the wire from the light through the hole in the post to the junction box. An extension cord may be needed depending on the height of your post (fig. 4b).
5. Plug the male end of the clip into one of the junction box outlets.

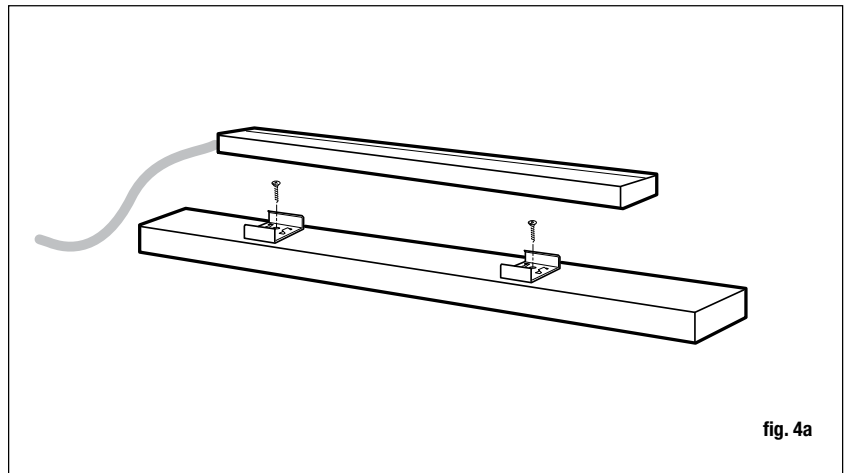


fig. 4a

4d Deck lights (fig. 5)

1. Determine the location of the deck light and mark.
2. Use a 1" spade bit to create a through-hole in the deck board. Be sure not to drill into the substructure.
3. The deck light includes two accent collars (black and bronze). Remove the accent collar that will not be used. Insert the wire through the accent collar and pull until the collar meets the lip on the light.
4. Insert the wire and the deck light through the hole in the deck board. Push the light into the hole until the lip touches the surface of the deck board.
5. Insert the male end of the deck light clip into one of the junction box outlets.
6. Deck lights may be strung together by inserting the female end of the deck light clip into the male end of another deck light.

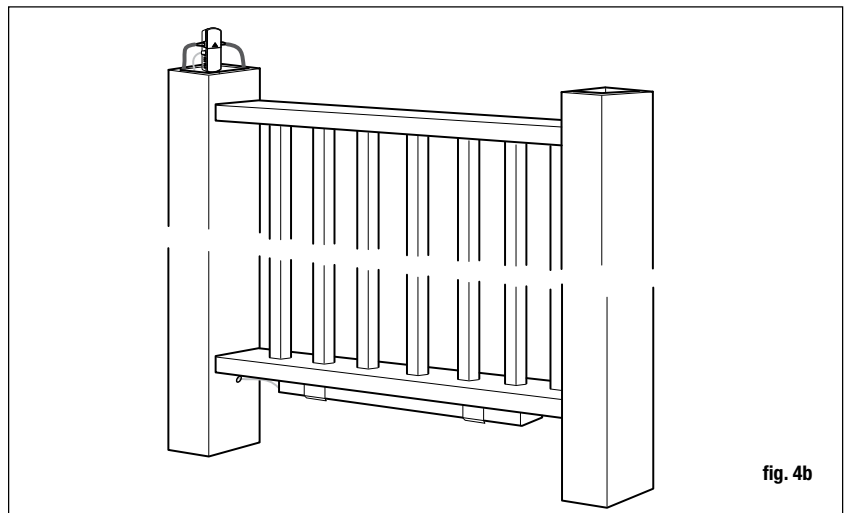


fig. 4b

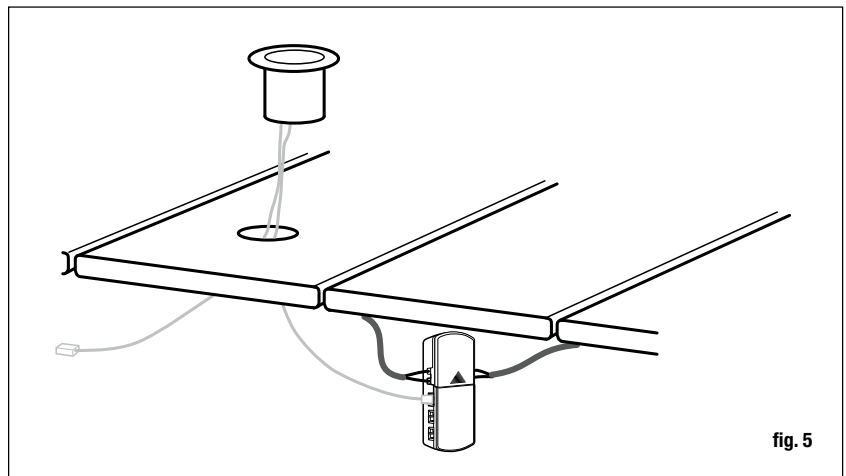


fig. 5

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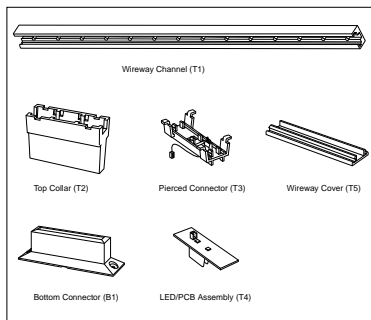
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Kit Contents

- 3 – LED/Pierce Connector Assemblies
- 3 – Top Collars
- 3 – Bottom Connectors
- 1 – 26" Wireway Channel
- 4 – Wireway Covers
- 10 – Stainless Steel Screws

Items You Will Need

- Deckorators Glass Balusters or Frosted Glass Balusters
- 16 AWG Landscape Wire (sold separately)
- 12-Volt Landscape Transformer (sold separately)
- Deckorators rail connectors (optional, sold separately)
- Deckorators Glass Baluster Stair Rail Lighting Kit (optional, sold separately)
- Tape Measure
- Drill Driver and Bits
- Clamps
- Safety Glasses
- Carpenter's pencil
- White rubber mallet
- Support blocks



Parts List

- T1 – Wireway Channel
- T2 – Top Collar
- T3 – Top Connector (Mounting Kit)/ Pierce Connector (Lighting Kit)
- T4 – LED Assembly (Light Kit)
- T5 – Wireway Cover
- B1 – Bottom Connector

Important Note: If you are installing both non-lighted and lighted glass balusters on the same rail, you will use Mounting Kits to install the non-lighted balusters and Lighting Kits to install the lighted balusters. Follow the same instructions for both lighted and non-lighted balusters, except where indicated.

LINE RAIL INSTALLATION

Step 1: Measure railing opening. Measure opening from post to post to determine the length of each baluster rail section. (Fig. 1)

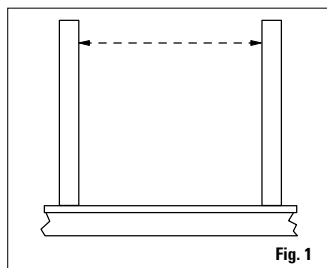


Fig. 1

Step 2: Cut rails and mark. Cut top and bottom rails to length and clamp together. Locate the center of the rails and mark. If using an odd number of balusters, the balusters will start at the center of the rail. If using an even number of balusters, the balusters will start 3-3/4" on center either side of center, with all balusters 7-1/2" on-center. Mark both rails 7-1/2" on-center, starting at the desired location. (Fig. 2)

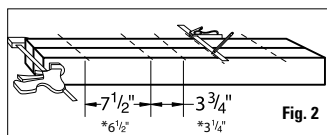


Fig. 2

Step 3: Attach wireway channel. Center wireway channel (T1) on the top rail with flat side against railing and attach with 4 stainless steel screws provided. For a 6' on-center railing system, you will need 3 wireway channels. (Fig. 3)

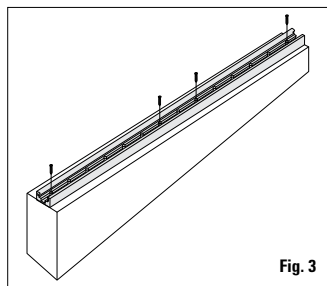


Fig. 3

Step 4: Attach bottom connectors. Attach bottom connectors (B1) to bottom rail at marked locations, using the screws provided. (Fig. 4)

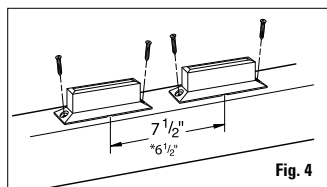


Fig. 4

Step 5: Attach top and bottom rails. Attach top and bottom rails to deck posts. The wireway channel on the top rail should be facing down when installed. Drill 3/8" hole in the deck posts in line with the bottom edge of the top deck rail for wire. (Fig. 5) Note: When installing lighted glass balusters on the Deckorators aluminum railing system, insert a plastic grommet (sold separately) into each drilled hole in the aluminum post sleeves.

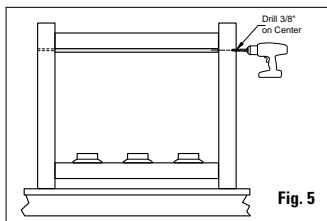


Fig. 5

Step 6: Feed wire.

Feed low voltage wire through post and through the top wireway channel. Important – Be sure that wire fits snugly into the narrowest portion of the wireway channel. Improper location of the wire will prevent the pierce connectors from making electrical contact with the wire. (Fig.6)

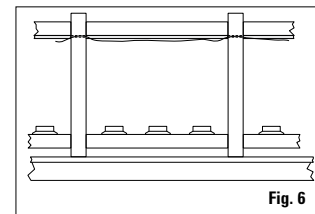


Fig. 6

Step 7: Attach Top Pierce Connectors (Lighted) or Connectors (Non-Lighted). Secure top connectors (T3) to wireway channel at marked locations by placing the legs of the connector around the wireway channel and pressing firmly until the connector snaps to the channel. For Lighted Connectors, this action pierces the wire. Be sure that the assembly is in the proper location prior to snapping to channel. (Fig. 7)

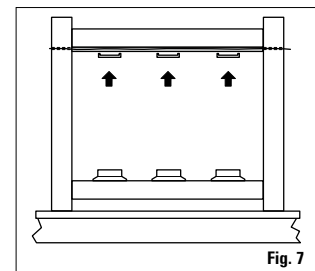


Fig. 7

Step 8: Insert balusters.

a. Slide the top collar (T2) onto the top of the baluster, narrow side facing down, and slide down until the top end of the baluster is exposed. (Fig. 8a)
b. Slide the bottom of the baluster into the bottom connector. (Fig. 8b)
c. LIGHTED ONLY: Plug the amp connector from the pierce connector body into the LED assembly (T4). (Fig. 8c)
d. LIGHTED: Position the top of the baluster between the prongs on the LED Assembly. (Fig. 8d)
NON-LIGHTED: Center the top of the baluster beneath the top connector.
e. Slide the Top Collar up the baluster until it snaps onto the Top Connector. (Fig. 8)

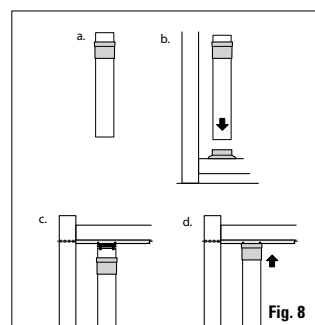


Fig. 8

Step 9: Install wireway covers.

After installing the balusters, measure space between the top connectors and trim wireway covers (T5) to fit. Insert the legs of the wireway covers into the wireway channel and press firmly until cover snaps into place. (Fig. 9)

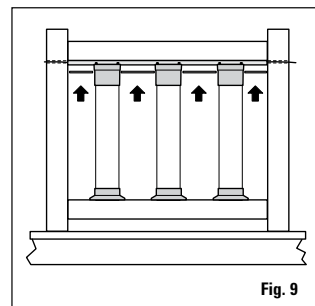


Fig. 9

Step 10: Complete the installation.

Complete the installation by connecting one end of the low voltage wire to a 12 Volt landscape transformer, following the instructions supplied with the transformer.

STAIR RAIL INSTALLATION

Step 11: Measure and cut.

Follow Step 1 and cut top and bottom rails to length, with proper angle. Clamp together and mark top and bottom rails every 9" on-center. (Fig. 1)

Step 12: Attach wireway channel.

Center wireway channel on the top rail with flat side against railing and attach with 4 stainless steel screws provided.

Step 13: Follow steps 4 through 10 of the line rail instructions to complete the installation.

Warning – Risk of electric shock. Install all luminaries 10 feet or more from a pool, spa, or fountain. The main low voltage cable is intended for shallow burial – less than 6 inches.

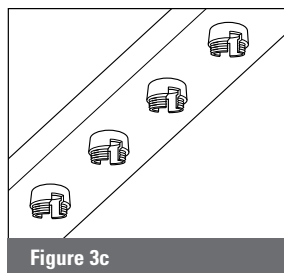
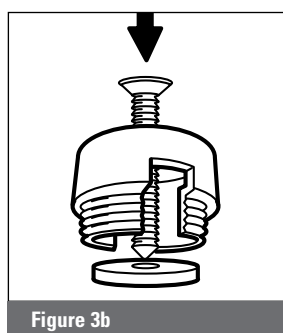
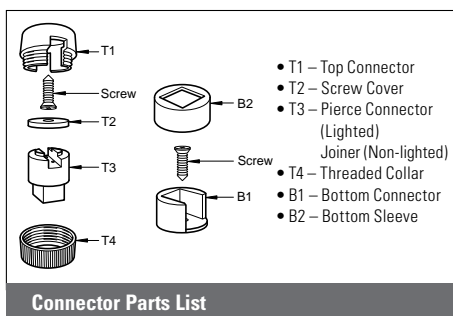
This device is accepted as a component of a landscape lighting system where the suitability of the combination shall be determined by CSA or local inspection authorities having jurisdiction. Only for use with low voltage landscape lighting power units with a maximum output rating of 12 volts, 156 watts per secondary.

Lighted Aluminum Balusters (Square and Round Willow)

Kit Contents:

- 3 - LED Lighted Aluminum Balusters
- 3 - Top Connectors
- 3 - Bottom Connectors
- 6 - Stainless Steel Screws

Important Note: If you are installing non-lighted Classic or Estate balusters in combination with Lighted Aluminum Balusters, you will use Deckorators Baluster Mounting Hardware to connect the non-lighted balusters to the rail. Follow the same instructions for both lighted and non-lighted balusters, except where indicated.



1. Measure railing opening.
2. Cut top and bottom rails to length and clamp together. Mark rails 4" on-center for Round Willow Balusters, or 4-3/8" on-center for Square Balusters, starting from the center of the rail.
3. Attach top connectors to rails.
 - a. **Lighted Balusters:** Unscrew the threaded collar (T4) from the top connector (T1) and remove top connector from baluster. Leave threaded collar on the baluster.
 - Non-Lighted Balusters:** Unscrew threaded collar (T4) from top connector (T1). Remove joiner (T3) from top connector.
 - b. Using one of the provided mounting screws, push the pointed end of the screw through the hole in the back side of the top connector to pop out the screw cover (T2). (Figure 3b)
 - c. Attach the top connectors to the top rail at the marked locations using the screws provided. Ensure the channels are aligned with the top of the rail to allow passage for wire. (Figure 3c)
4. Attach bottom connectors to rails.
 - a. **Lighted Balusters:** Remove the bottom connector (B1) from the lighted baluster by sliding the connector sleeve (B2) up the baluster.
 - Non-Lighted Balusters:** Remove bottom sleeve (B2) from bottom connector (B1).
 - b. Attach the bottom connectors to the bottom rail using the screws provided.
5. Attach top and bottom rails to posts following the instructions provided with the railing system. If you have not done so, drill 3/8" hole in the post sleeves directly below the top rail bracket.

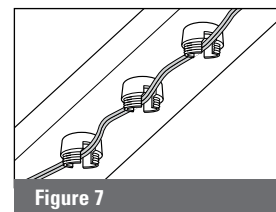
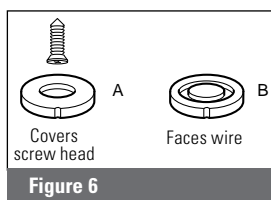
6. Reinstall screw covers previously removed in step 3.

a. Covers screw head

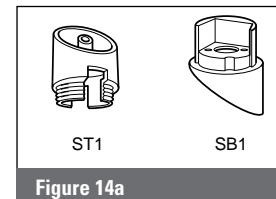
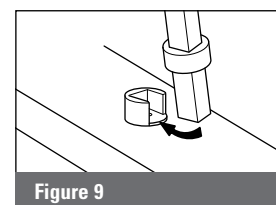
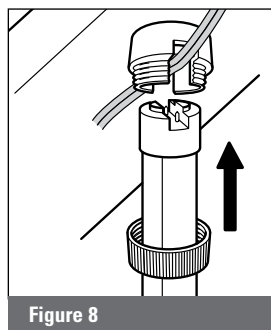
b. Faces wire

Important – Screw Cover Installation

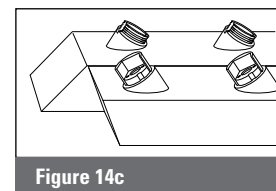
The screw cover must be properly installed for the system to work. Improper installation of the screw cover will prevent the pierce connectors from making electrical contact with the wire. Elimination of this critical part from the assembly could result in an electrical short should the pierce connectors contact the metal head of the screw. The screw cover is intended to be installed with the hollow center facing the screw head (Figure 6). The opposite side of the cover forms the seat for the pierce connectors to contact the wire. The side that faces the baluster has a raised center and a raised outer edge, forming a channel between the inside and outside edge. The screw cover fits snugly when aligned and pressed into place. Access to the mounting screw for replacement of damaged rails or balusters will require the removal of the screw cover.



7. Feed main low voltage cable through post or post sleeve and across top connectors. (Figure 7)
8. Secure top of balusters.
 - a. **Non-Lighted only:** Slide threaded collar (T4) over top end of baluster. Insert joiner (T3) into top end of baluster.
 - b. Insert joiner/pierce connector (T3) end of baluster into top connector and push firmly to pierce the wire. Secure to top connector by sliding threaded collar up to mate with threaded end of top connector. (Figure 8)
9. Secure bottom of balusters.
 - a. **Non-Lighted only:** Slide bottom sleeve (B2) over bottom end of connector.
 - b. Insert bottom end of baluster into slotted opening of bottom connector (B1) and slide until the baluster completely sits inside the connector. Slide connector sleeve down to cover bottom connector. Twist connector sleeve until firmly secured. (Figure 9)

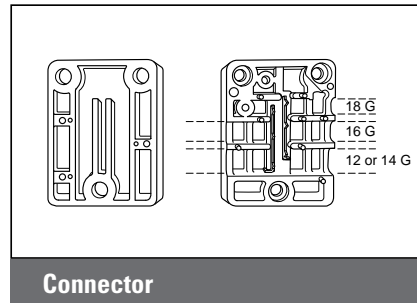
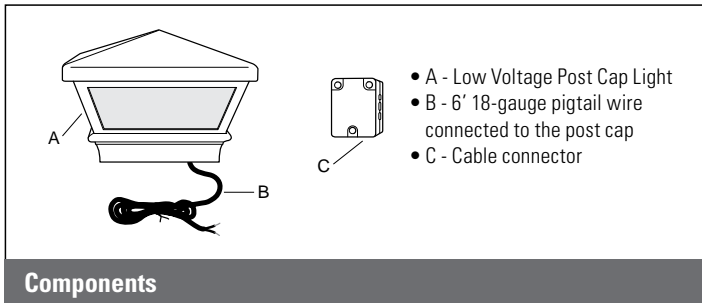


10. Optional: Cover exposed wire by installing Deckorators wire covers. Attach wire covers between top rail connectors and secure with 2 screws provided.

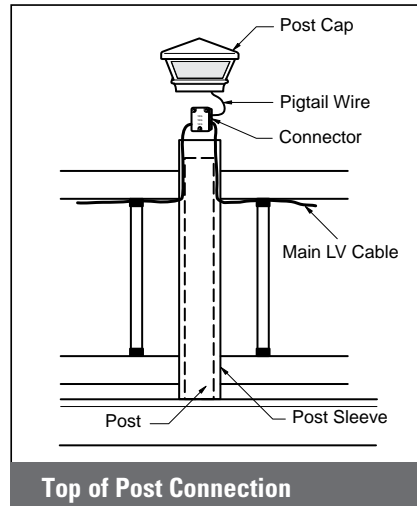


11. For Stair Installation, follow the steps above, with the following changes:
 - a. Mark top and bottom rails 5" on-center for Willow balusters, or 5-7/16" on-center for Square balusters, starting from the center of the rail.
 - b. You will install a top stair connector (ST1) instead of the top connector (T1) to the top rail. (Figure 14a)
 - c. You will install a bottom stair connector (SB1) instead of the bottom connector (B1) to the bottom rail. (Figure 14c)

Low Voltage Post Cap Lights



1. Prepare the top of the post for the Post Cap Light. For new construction, trim the supporting post 2" shorter than the height of the post sleeve to house excess pigtail wire. For existing railing, drill a hole at least 2" deep in the center of the supporting post with a 2" Forstner bit.
2. Run your main low voltage cable either under the deck around the perimeter of the deck structure or beneath the top rail.
3. Cut the pigtail wire to the appropriate length, leaving an extra 1-1/2" of wire that will run inside the cable connector.
4. Connect the pigtail wire to the main low voltage cable using the included cable connector:
 - a. Remove the three screws and open up the connector.
 - b. Find the channel that is marked with the gauge of the main low voltage supply. Remove the channel insert and lay the main low voltage cable in the channel.
 - c. Insert the pigtail wire connected to the post cap light into the area marked 18G. The pigtail wire will terminate inside the connector.
 - d. Close the connector, reinsert the screws and tighten to close. This action causes the connector to pierce the wires.
5. Adjust the post cap frame by inserting or removing the included inserts so the post cap fits correctly on the post sleeve. Do not permanently attach the post cap at this point.
6. Connect the low-voltage cable to the transformer following the instructions provided with the transformer. Turn on power to verify the system works.
7. Turn off power. Apply construction adhesive to the underside of the post cap and place firmly on the post sleeve.



Important safety information pertaining to risk of fire or injury to person.

- Do not install within 10 feet (3 m) of a pool, spa or fountain.
- Do not look directly into the light.
- For use with 12-volt, low-voltage outdoor landscape lighting system only.
- There are no serviceable parts inside the power supply unit. Do not disassemble.
- Plug the power supply unit directly into a GFCI receptacle that is marked "wet location."
- The transformer can support a maximum of 24 individual lights.

Please note: The light system must be installed in accordance with all local codes and ordinances. If you are experiencing problems, contact a qualified electrician.

Step 1 | Find a location for the transformer and photo sensor

- Outdoor use, weather-resistant.
- Do not install the photo sensor behind shrubs. This will affect the photo sensor.
- The photo sensor will not operate properly if installed too close to a light source.

Step 2 | Mount the photo sensor

Mount the photo sensor with the included screw on a wall within one foot (30 cm) of the electrical outlet where the transformer will be connected (Figure 1).

** Alternate photo sensor installation: If there is no area within 1 foot (30.5cm) of the transformer to install the photosensor, it is possible to install the extension wire directly to the transformer and to install the photo sensor between the extension wire and the first light.*

Step 3 | Position lights and run wire

- The wire should run from the photo sensor to each light, without being cut. Do not run the wire within 10 feet (3 m) of a pool, spa or fountain.
- Loose wire should be tied up and kept clear of walking paths and away from children or animals.
- Connect the extension wire and all light fixtures end-to-end, making one long wire connection. This is the distance available when positioning your lights.

Please note: Additional light and wire add-ons are available in packs of two. Additional extension wire is available in 16.4' length. These add-ons are compatible with and follow the same installation steps as the lights and wire in the original kit.

- Most common light placements are on step risers to illuminate stairs, or flat on the deck surface to delineate extremities and illuminate railings or walls.
- Position the light fixtures, making sure that the extension wire will reach the photo sensor. Once they are properly positioned, drill out holes using the included 1" drill bit.

Important note: Please make sure that you have properly calculated your distances and are confident of the positioning of the lights before drilling holes.

- Disconnect the lights from each other and insert each fixture into its corresponding hole by feeding the two (2) wires first then pressing the fixture firmly into the hole so that it fits tightly against the surface. Repeat this step for all eight (8) lights.
- Connect the male end of the extension wire to the "OUT" connection of the photo sensor and the female end to the first fixture.
- Connect the female end of the extension wire to the first light fixture and each fixture to the next.

Step 4 | Connect the photo sensor and the transformer

- Connect the photo sensor to the transformer.
- Plug the transformer into the electrical receptacle.

How to test the system

- To test the lights during daytime, cover the photo sensor with black tape.
- This component reacts to light conditions. It automatically turns ON the light fixtures at dusk and turns them OFF at dawn. It should not be exposed to any artificial light sources.

Trouble shooting

- Most problems lie within the fixture's connection or LEDs.
- Check the connection and make sure the male and female connectors are pressing firmly together, and secure with the screw nut.
- To check a light fixture, exchange it with another fixture that is working.

Maintenance

- To clean, wipe with a soft, damp cloth.
- Replacement parts may be ordered by using the fixture model number and the part's name.

One Recessed Lighting Kit contains

- Eight (8) LED deck lights
- One (1) photo sensor
- One (1) transformer
- One (1) drill bit
- One (1) extension wire

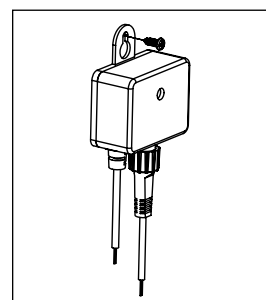
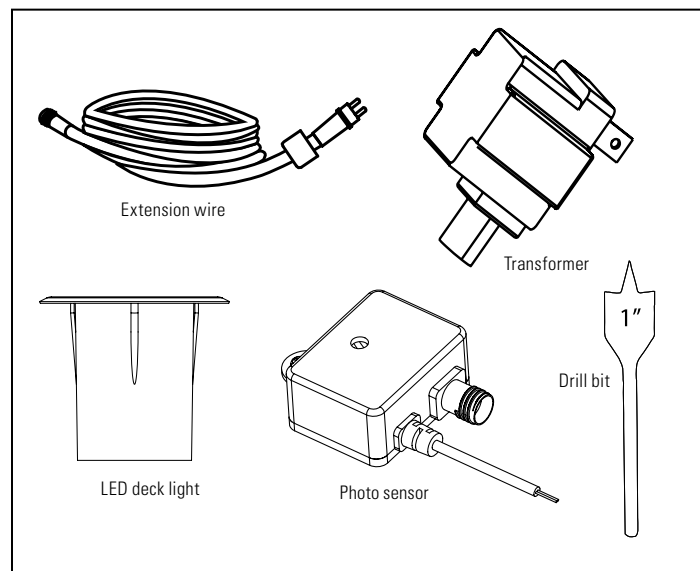


Figure 1

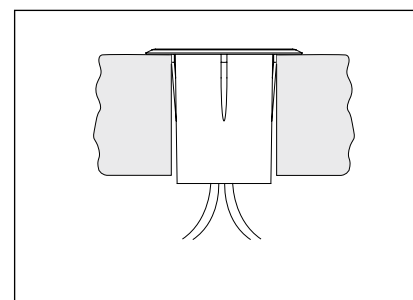


Figure 2

Illustration of fixture is for example only.

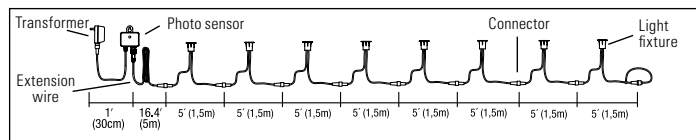


Figure 3

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Except as contained in the written limited warranty, the warrantor does not provide any other warranty, either express or implied, and shall not be liable for any damages, including consequential damages.

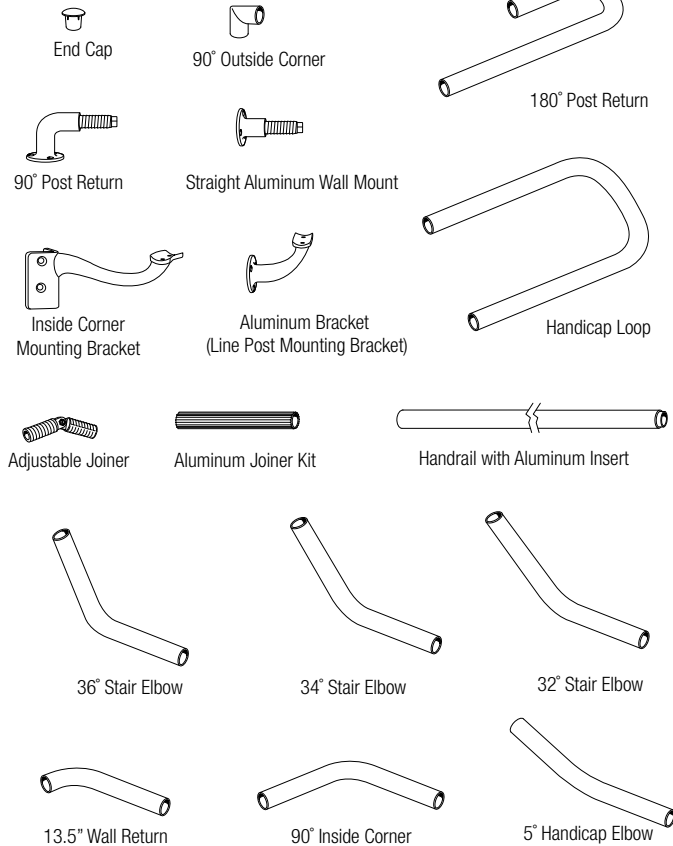


SECONDARY HANDRAIL INSTALLATION INSTRUCTIONS

Tools Required

- Pencil
- Tape Measure
- Level
- Drill
- Miter/Circular Saw
- Quick Clamps
- PVC Cleaner

Handrail Components



Prior to construction, check with your local regulatory agency for special code requirements in your area.

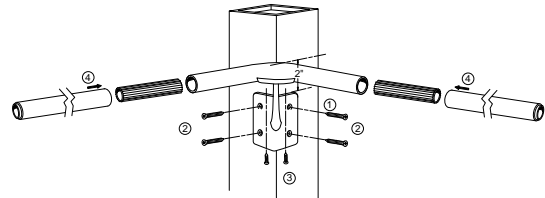
Start with an Inside Corner piece when applicable.

Guidelines:

- The height of the secondary handrail must be installed between 34" and 38" above the surface, regardless of the height of the guard.
- We recommend that handrails be dry fit prior to final installation to eliminate cutting and fastening errors.
- **IMPORTANT:** The secondary handrail must be attached to a structural support. When installing mounting brackets on post sleeves, ensure the hardware attaches to the structural support.
- For maximum strength, brackets should be used at every post and every joint, or as closely as possible to the joint.
- An adhesive may be applied to further reinforce construction.
- Handrails must be supported every 6' on-center by a mounting bracket.

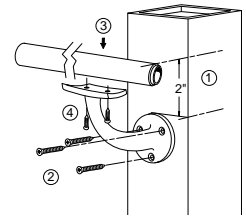
90° Inside Corner

- Step 1:** Measure 2" less than the handrail height to determine inside corner bracket position. Mark post.
- Step 2:** Align the top of the bracket mounting plate with the mark made in Step 1. Drill 5/32" pilot holes and attach to the post using the 1-1/2" screws provided.
- Step 3:** Align the 90° inside corner so that it is centered evenly on the bracket, ensure it is level, and clamp into place. Drill 3/16" pilot holes and secure with 1" screws provided.
- Step 4:** Slide aluminum joiners into each side of corner. Slide joiners into handrails and follow instructions for "Aluminum Joiner Kit."



Aluminum Bracket (Line Post Mounting Bracket)

- Step 1:** Measure 2" less than the handrail height to determine bracket position. Mark surface.
- Step 2:** Align the top of the bracket mounting plate with the mark made in Step 1. Drill 5/32" pilot holes and attach to the desired surface using the 1-1/2" screws provided.
- Step 3:** Clamp handrail to bracket at appropriate location to secure in place.
- Step 4:** Drill 3/16" pilot holes and attach handrail using the 1" screws provided.

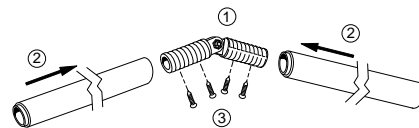


Handrail with Aluminum Insert

- Step 1:** Dry fit handrails to determine proper lengths prior to cutting rails.
- Step 2:** Measure and cut rails to proper lengths for all runs.
- Step 3:** Install to handrail component, following instructions for the components.

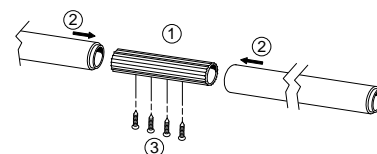
Adjustable Joiner

- Step 1:** Measure the angle needed. Adjoin the two joiner halves together by inserting the bolt. Place the joiner halves at the desired angle, and tighten bolt to set.
- Step 2:** Cut handrails at 1/2 the desired angle. Slide handrails onto adjustable joiner.
- Step 3:** Drill 3/16" pilot holes and fasten handrails together using 3/4" screws.



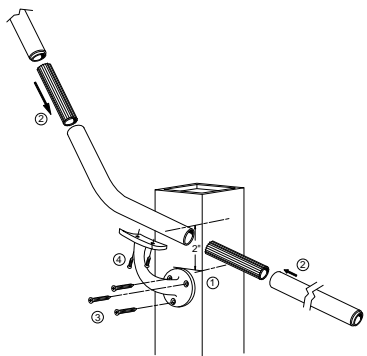
Aluminum Joiner Kit

- Step 1:** Use aluminum joiner to fasten handrail components at straight joints.
- Step 2:** Slide joiner an equal distance into both components. Drill 3/16" pilot holes and fasten using 3/4" screws provided.
- Note: All joiners should be supported by an aluminum bracket as closely as possible to the joint.*



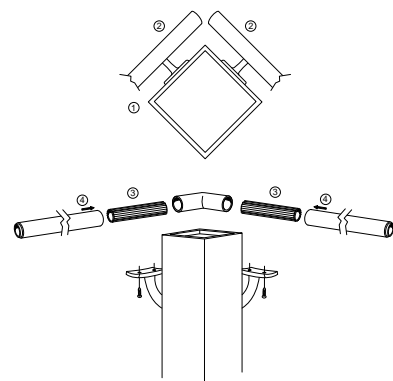
Stair Elbows

- Step 1:** Attach aluminum bracket to post, following instructions under "Aluminum Bracket".
- Step 2:** Choose proper degree of stair elbow. Slide aluminum joiners into each side of the stair elbow. Slide joiners into handrails, and follow instructions for "Aluminum Joiner Kit".
- Step 3:** Attach elbow to bracket, drilling 3/16" pilot holes and securing with the 1" screws provided.



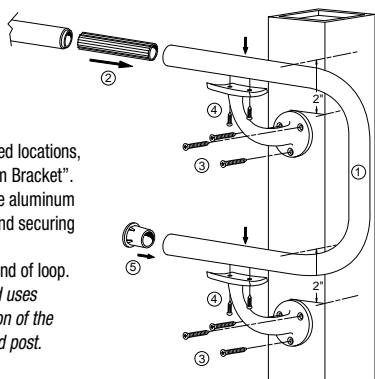
90° Outside Corner

- Step 1:** Attach two aluminum brackets to adjacent corners of post, following instructions from "Aluminum Bracket".
- Step 2:** Dry fit the two handrails to be joined. The handrails should extend far enough to allow for final cutting. Place outside corner in line with each handrail. Mark handrails and cut as necessary.
- Step 3:** Slide aluminum joiners into both sides of outside corner. Slide joiners into handrails, and follow instructions for "Aluminum Joiner Kit".
- Step 4:** Attach handrails to brackets, following instructions from "Handrail with Aluminum Insert".



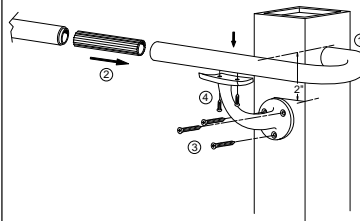
Handicap Loop

- Step 1:** Position handicap loop in desired location. Mark and cut loop as necessary.
 - Step 2:** Attach handicap loop to handrail system using aluminum joiner (for level installation) or adjustable joiner (for angled installation).
 - Step 3:** Attach top and bottom aluminum brackets to surface at desired locations, following instructions under "Aluminum Bracket".
 - Step 4:** Attach the handicap loop to the aluminum brackets by drilling 3/16" pilot holes and securing with the 1" screws provided.
 - Step 5:** Attach end cap to unfinished end of loop.
- Note: The alternate installation method uses the 90° post return for the lower portion of the handicap loop, terminating into the end post.*



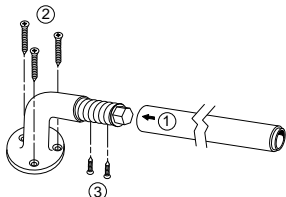
180° Post Return

- Step 1:** Position post return in desired location. Mark and cut as necessary.
- Step 2:** Attach post return to handrail system using aluminum joiner.
- Step 3:** Attach aluminum bracket to the desired surface, following instructions from "Aluminum Bracket".
- Step 4:** Attach post return to aluminum bracket, drilling 3/16" pilot holes and securing with 3/4" screws provided.



90° Post Return

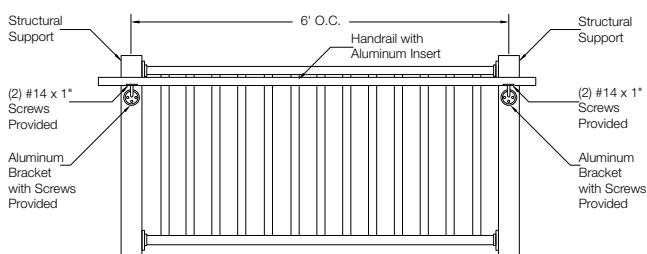
- Step 1:** Slide 90° post return into handrail.
- Step 2:** Drill 5/32" pilot holes into the desired surface and attach post return using 1-1/2" screws provided.
- Step 3:** Drill 3/16" pilot holes into handrail and attach using 3/4" screws provided.



13.5" Wall Return

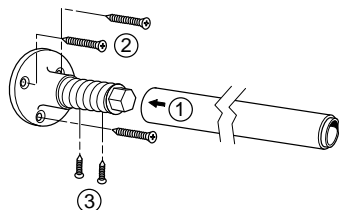
- Step 1:** Position 13.5" wall return in desired location. Mark and cut as necessary.
- Step 2:** Attach wall return to handrail system using aluminum joiner or adjustable joiner.
- Step 3:** Attach the handrail to the aluminum bracket.

This handrail configuration has been tested and meets the requirements of 2009 IBC/IRC.



Straight Aluminum Wall Mount

- Step 1:** Slide aluminum wall mount into handrail.
- Step 2:** Drill 5/32" pilot holes into desired surface and attach wall mount using 1-1/2" screws provided.
- Step 3:** Drill 3/16" pilot holes into handrail and attach using 3/4" screws provided.



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CLASSIC BALUSTERS INSTALLATION INSTRUCTIONS

Kit Contents:

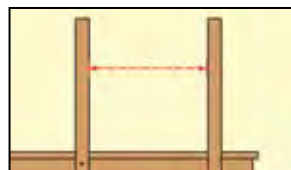
- 10 - Aluminum balusters (2.5 balusters required per linear foot of railing)

Items You Will Need:

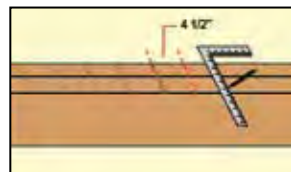
- Deckorators baluster connectors (sold separately)
- Deckorators stair connectors (sold separately)
- Deckorators rail connectors (optional, sold separately)
- Drill driver
- Tape measure
- Clamps
- Safety glasses
- Carpenter's pencil
- White rubber mallet
- Support blocks (can be cut from scrap rail material)

Prior to construction, check with your local regulatory agency for special code requirements in your area. Common railing height is 36". Structural support should come from either the continuation of deck support posts that extend up through the deck floor or from railing posts that are bolted to the inside of the rim or outer joist. 6' on-center post spacing is recommended. Never span more than 8' on-center between railing posts.

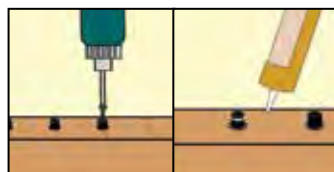
In-Line railing



Step 1: Measure railing opening from post to post to determine the length of each baluster rail section.

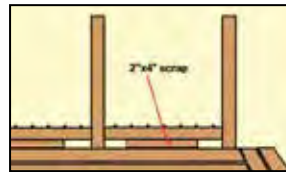


Step 2: Cut top and bottom rails (2x4s) to length and clamp together. Mark top and bottom rails 4-1/2" on-center, starting from the center of the rail.



Step 3: Using a drill driver, screw on Deckorators baluster connectors (sold separately) on each mark using the screws provided. Apply silicone caulk on each connector to prevent balusters from turning or rattling after installation is complete. The caulk should be on the outside of the connector, where the baluster will make contact with the connector's outer edge.

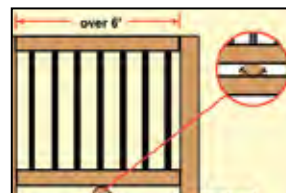
Note: Specific types of treated lumber are known to corrode aluminum. Deckorators baluster connectors provide a barrier between the aluminum balusters and treated lumber to ensure long term performance.



Step 4: Place the bottom rail between the rail posts, supported by a 3" block (2x4 scrap material works best). Secure rail to posts using Deckorators rail connectors (sold separately) and slide balusters over the bottom connectors. Carefully place top rail over the balusters, making sure each baluster is seated properly on each connector.



Step 5: Inspect finished railing for proper baluster spacing and secure top rail. Add a cap rail for a finished look.

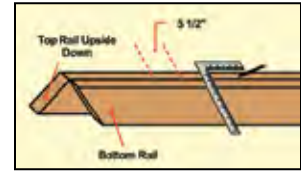


Step 6: For rail sections longer than 4', support blocks are recommended. These can be made from leftover 2x4 rail material. Properly position the support block and toe-nail it to the bottom rail and deck board.

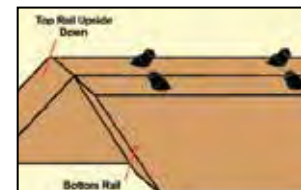
Stair Railing



Step 7: Stair rails and balusters can present an installation challenge. Deckorators angled stair rail connectors (sold separately) create a snug and accurate baluster fit for stair angles ranging from 30 to 35 degrees. Cut top and bottom stair rails at the proper angle. Lay top and bottom 2x4 rails alongside the posts and mark.



Step 8: Clamp the top and bottom rails together with the top 2x4 rail inverted. Position rails as shown and mark 5-1/2" on-center, working from the center out to the ends of the rails.



Step 9: Properly position the connectors on the rails. The top and bottom connectors will be facing opposite directions. Screw the connectors in place. To properly set angled connectors, begin screwing vertically until the screw bites into the wood. Reposition screw to the proper angle and tighten. Do not over-tighten, which can move the connector off center.



Step 10: Make sure connectors are properly aligned, apply silicone caulk to each stair connector, and assemble the top and bottom rails with the balusters. Then attach full rail section between the stair rail posts.

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ESTATE BALUSTERS INSTALLATION INSTRUCTIONS

Kit Contents:

- 10 - Aluminum balusters (2.5 balusters required per linear foot of railing)

Items You Will Need:

- Estate baluster connectors (sold separately)
- Estate stair connectors (sold separately)
- Estate rail connectors (optional, sold separately)
- Drill driver
- Tape measure
- Clamps
- Safety glasses
- Carpenter's pencil
- White rubber mallet
- Support blocks (can be cut from scrap rail material)

Prior to construction, check with your local regulatory agency for special code requirements in your area. Common railing height is 36". Structural support should come from either the continuation of deck support posts that extend up through the deck floor or from railing posts that are bolted to the inside of the rim or outer joist. *6' on-center post spacing is recommended. Never span more than 8' on-center between railing posts.*

In-Line railing



Step 1: Measure railing opening, from post to post.



Step 2: Cut top and bottom rails (2x4s) to length and clamp together. Starting from the center of the rails, mark out 4-1/2" on-center using a tape measure or marked speed square. This will leave a 3-3/4" opening from baluster to baluster, once the balusters are installed.



Step 3: Screw on Deckorators Estate baluster connectors (sold separately) on each mark.



Step 4: Place the bottom rail (2x4) on 1-1/2" blocks (2x4 scrap material works best) and attach to the post. For easy rail-to-post connection, we recommend using Deckorators railing connectors (sold separately). Put clear adhesive on each connector to properly secure balusters and prevent spinning. Insert balusters over baluster connectors.



Step 5: Place top rail (2x4) over balusters. Install cap rails for a finished look.

For rail sections longer than 4 feet, support blocks are recommended. These can be made from leftover rail material. Properly position the support block and toe-nail it to the bottom rail and deck board.



Stairs

Follow Step 1 and cut 2x4s to length with proper angle. With 2x4s laying flat, start from the center of the rails and mark every 5-1/2" on-center. Screw on Deckorators Estate baluster connectors with stair adaptors (sold separately) to complete your stair rail. The adaptor works for 30- to 35-degree angles. Screw bottom rail (2x4) to post. Contingent upon how your stairs railing are built, you may need to run bottom rail (2x4) down alongside of the stringer to get proper height. Proceed to Step 5 to complete your stair rails.

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DUO CONNECTOR INSTALLATION INSTRUCTIONS

In-Line Railing

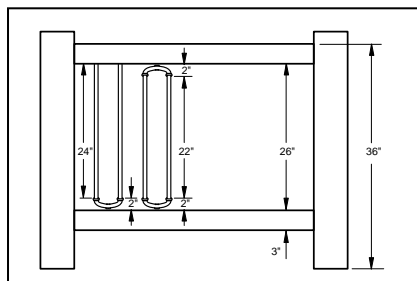


Figure 1

Step 1: Measure the space between the top and bottom rails. Each Duo Connector will add 2" between the baluster and rail. When mixing Duo Connectors with full-length balusters, some balusters may need to be trimmed 2" or 4" to allow space for the Duo Connectors. Trim balusters as required. (Figure 1)

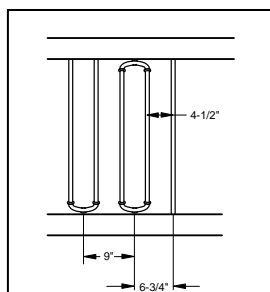


Figure 2

Step 2: Determine the spacing of the Duo Connectors and standard baluster connectors, starting from the center of the rail. The installed spacing of the balusters is 4-1/2" on-center. When installing Duo Connectors in sequence, space them 9" on-center. When installing Duo Connectors in tandem with Classic or Estate balusters, the spacing between the Duo Connector and baluster connector is 6-3/4" on-center. Mark the location of each connector on both top and bottom rails. (Figure 2)

Step 3: Using the Duo Connector as a template, pre-drill both rails at the desired locations.

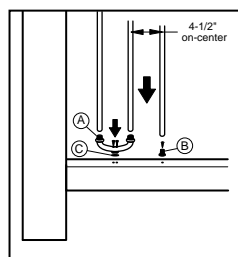


Figure 3

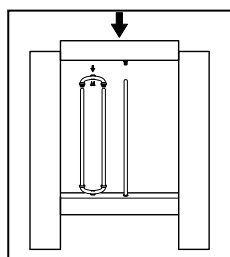


Figure 4

Step 4: Attach the Duo Connectors (A) and standard baluster connectors (B) to the bottom rail using the screws provided. Note: When using pressure-treated wood, install the included plastic washer (C) between the Duo Connector and rail. Slide balusters over each connector. (Figure 3)

Step 5: Slide the Duo Connectors for the top rail into the balusters. Attach standard baluster connectors to the top rail. (Figure 4)

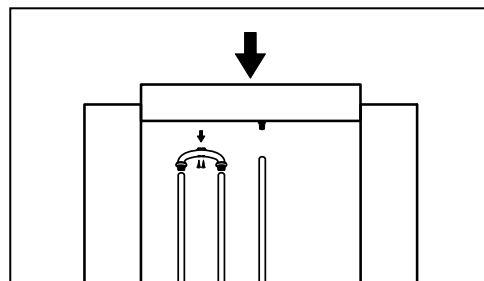


Figure 5

Step 6: Place the top rail over the balusters, making sure each baluster is seated properly on each connector. Attach Duo Connectors to the top rail using the screws provided. (Figure 5)

Stair Railing

When installing Duo Connectors on stairs, use Duo Connector Stair Adaptors (sold separately), which work for 35-degree stair angles.

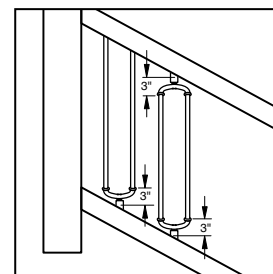


Figure 6

Step 7: Measure the space between the top and bottom rail. The Arched Duo Connector with Stair Adaptor will add 3" between the baluster and the rail. The balusters may need to be trimmed 3" when using one arched Duo Connector, or 6" when using two arched Duo Connectors. (Figure 6)

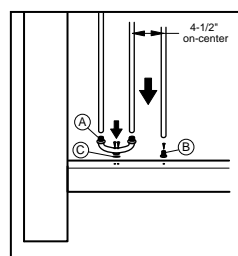


Figure 7

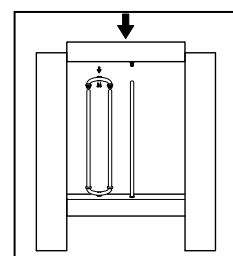


Figure 8

The Square Duo Connector with Stair Adaptor will add 3-3/16" between the baluster and the rail. The balusters may need to be trimmed 3-3/16" when using one square Duo Connector, and 6-3/8" when using two square Duo Connectors. (Figure 7)

Step 8: Follow steps 2 and 3. Place the Duo Connector together with the Stair Adaptor and screw both to bottom rail, using the screws provided. Slide balusters over each connector. (Figure 8)

Proceed to steps 5 and 6 to complete your rail, being sure to place your stair adaptor together with your Duo Connector when screwing to top rail.

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ARC, TRADITIONAL AND BAROQUE BALUSTER INSTALLATION INSTRUCTIONS

Kit Contents:

- 5 Balusters for Arc and Baroque
- 10 Balusters for Traditional
- 20 Color-matched screws (2.5 balusters required per linear foot of railing)

Items You Will Need:

- Drill driver
- Tape measure
- 2-pt. square head drill bit
- Safety glasses
- Carpenter's pencil
- Clamps
- Support blocks (can be cut from scrap rail material)

Prior to construction, check with your local regulatory agency for special code requirements in your area. Common railing height is 36". Structural support should come from either the continuation of deck support posts that extend up through the deck floor or from railing posts that are bolted to the inside of the rim or outer joist. *6' on-center post spacing is recommended. Never span more than 8' on-center between railing posts.*

In-Line Railing



Step 1: Attach top and bottom rails to posts according to local building codes. The distance from the deck surface to the top of the rail is typically 36". Use a baluster as a guide to determine placement of the bottom rail. Find the center of the top and bottom rails and mark. Rail length ÷ 2 = center of rail.



Step 2: The baluster spacing is 4-1/2" on-center and equal spacing for the end spacing. For posts set at 6' on-center, attach the first two balusters 2-1/4" on-center each side of the center line using four of the screws provided. Use the plastic washers when using treated lumber, to prevent direct contact. Place the washer in between the rail and baluster.



Step 3: Use a section of 2x4 to space the next baluster 3-1/2" from the first. Attach the rest of the balusters using the 2x4 as a spacer block. Cut two support blocks from the wood or composite railing material you're using. Glue support blocks to the bottom of the lower rail, an equal distance from each post.

Stairs



Step 1: Attach top and bottom stair rails to posts according to local building codes. The distance from the stair tread to the top of the rail is typically 36". Use a baluster as a guide to determine placement of the bottom rail. Find the center of the top and bottom rails and mark. Rail length ÷ 2 = center of rail.



Step 2: The baluster spacing is 4-1/2" on-center and equal spacing for the end spacing. For posts set at 6' on-center, attach the first two balusters 2-1/4" on-center each side of the center line using four of the screws provided. Use the plastic washers when using treated lumber, to prevent direct contact. Place the washer in between the rail and baluster.



Step 3: Use a section of 2x4 to space the next baluster 3-1/2" from the first. Attach the rest of the balusters using the 2x4 as a spacer block.

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SCENIC GLASS BALUSTER INSTALLATION INSTRUCTIONS

Kit Contents:

- 5 Glass balusters
- 20 Stainless steel screws
(You will need 1.5 balusters per linear foot of railing)

Items You Will Need:

- Drill driver
- Tape measure
- 2-pt. square head drill bit
- Safety glasses
- Carpenter's pencil
- Clamp
- Support blocks (can be cut from scrap rail material)

Prior to construction, check with your local regulatory agency for special code requirements in your area. Common railing height is 36". Structural support should come from either the continuation of deck support posts that extend up through the deck floor or from railing posts that are bolted to the inside of the rim or outer joist. *6' on-center post spacing is recommended. Never span more than 8' on-center between railing posts.*

In-Line Railing



Step 1: Attach top and bottom rails to posts according to local building codes. The distance from the deck surface to the top of the rail is typically 36". Use a baluster as a guide to determine placement of the bottom rail. Find the center of the top and bottom rails and mark. Rail length $\div 2$ = center of rail.



Step 2: Attach the first baluster on-center of the center line using four of the screws provided. Drive each screw until the rubber grommet begins to mushroom. Do not over-tighten.



Step 3: Use a section of 2x4 to space the next baluster 3-1/2" from the first. Attach the rest of the balusters using the 2x4 as a spacer block. Cut two support blocks from the wood or composite railing material you're using. Glue support blocks to the bottom of the lower rail, an equal distance from each post.

Stair Railing



Step 1: Attach top and bottom stair rails to posts according to local building codes. The distance from the front edge of the stair tread to the top of the rail is typically 36". Use a baluster as a guide to determine placement of the bottom rail. Find the center of the top and bottom rails and mark. Rail length $\div 2$ = center of rail.



Step 2: Attach the first baluster on-center of the center line using four of the screws provided. Drive each screw until the rubber grommet begins to mushroom. Do not over-tighten.



Step 3: Use a section of 2x4 to space the next baluster 3-1/2" from the first. Attach the rest of the balusters using the 2x4 as a spacer block.

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Kit Contents:

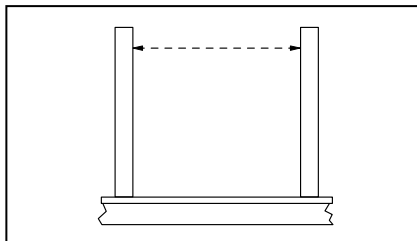
- 5 Glass balusters
- 20 Stainless steel screws
- (You will need 1.5 balusters per linear foot of railing)

Items You Will Need:

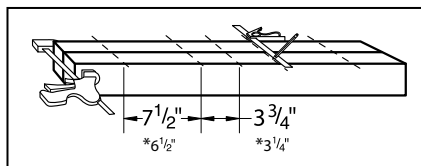
- Drill driver
- Tape measure
- 2-pt. square head drill bit
- Safety glasses
- Carpenter's pencil
- Clamp
- Support blocks (can be cut from scrap rail material)
- Scenic baluster connectors (sold separately)
- Scenic baluster stair connectors (sold separately)

Prior to construction, check with your local regulatory agency for special code requirements in your area. Common railing height is 36" or 42". Structural support should come from either the continuation of deck support posts that extend up through the deck floor or from railing posts that are bolted to the inside of the rim or outer joist. 6' on-center spacing is recommended. Never span more than 8' between railing posts.

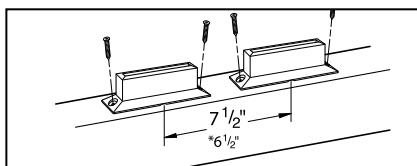
In-Line Railing



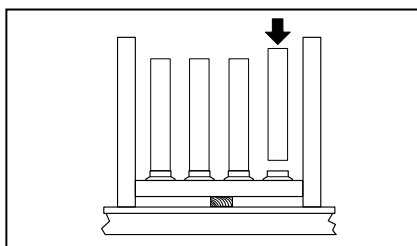
Step 1: Measure railing opening from post to post to determine the length of each rail section.



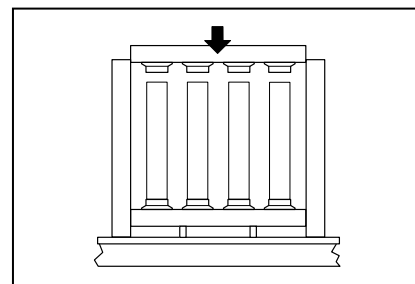
Step 2: Cut top and bottom rails to the proper length and clamp together. Locate the center of the rails and mark. If using an odd number of balusters, the balusters will start at the center of the rail. For Frontier Balusters: If using an even number of balusters, the balusters will start 3-3/4" either side of center, with all balusters 7-1/2" on-center. Mark both rails 7-1/2" on-center, starting from the desired location. For Contour Balusters: If using an even number of balusters, the balusters will start 3-1/4" either side of center, with all balusters 6-1/2" on-center. Mark both rails 6-1/2" on-center, starting from the desired location.*



Step 3: Screw on one Decorators Scenic baluster connector (sold separately) on each mark, using the screws provided.



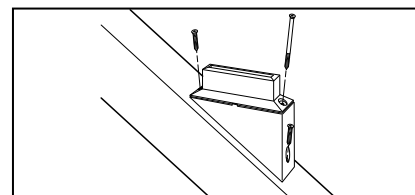
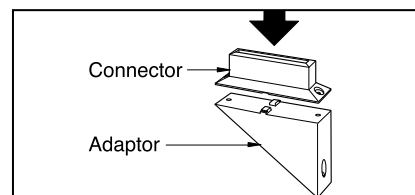
Step 4: Place the bottom rail between the rail posts, supported by a 3" block (2x4 scrap material works best). Secure rail to posts using Decorators rail connectors (sold separately). Insert one Scenic Baluster into each baluster connector.



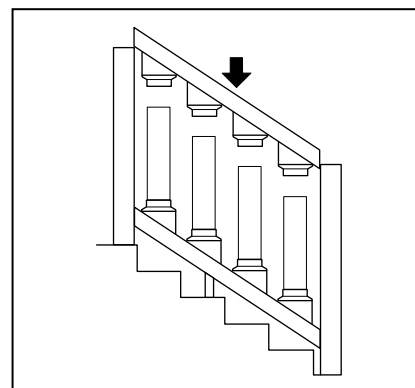
Step 5: Carefully place top rail over the balusters, making sure each baluster is seated properly in each baluster connector. Inspect finished railing for proper baluster spacing and secure top rail to posts. Attach support blocks to the bottom of the lower rail an equal distance from each post.

Stair Railing

Step 6: Follow Step 1 and cut top and bottom rails to length, with proper angle. Clamp together and mark top and bottom rails every 9" on-center for Frontier, or every 7-1/2" on-center for Contour.



Step 7: Decorators Scenic baluster stair connectors (sold separately) are composed of two parts: the connector and the adaptor. To install, place the connector on the adaptor, being sure the groove in the connector matches up with the knobs on the adaptor. Position one connector and adaptor on each mark and attach to the rail using the screws provided. Scenic baluster stair connectors work for 35-degree stair angles.



Step 8: Attach bottom rail to post. Insert one Scenic Baluster into each baluster stair connector. Carefully place top rail over the balusters, and secure top rail to post.

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POST CAP INSTALLATION INSTRUCTIONS

Installation

Post Caps

To attach each post cap style to the post, apply an exterior-grade construction adhesive to the underside of the post cap and place firmly on the post (Figure 1).

Solar Post Caps

Important: All solar post caps and lights will need 24 hours of direct sunlight to fully charge.

To activate your new solar post cap:

- 1 Remove top by pressing inward on the side of the clear lens, grasping the edge of the top and lifting it off (Figure 2).
- 2 Install the batteries.
- 3 Replace top by snapping onto side panels. (Ensure the holes in the sides are matched up with the stubs on the top.)
- 4 Your solar post cap light is now ready to be attached to your post (Figure 1).

Some solar post caps have on/off switches. If your cap includes an on/off switch, make certain it's in the "on" position when you plan to illuminate your lights. Batteries are included with solar post caps but may not be installed. Ensure batteries are seated firmly in place when installed.

Solar Tiffany-style Post Caps

To activate your new Solar Tiffany-style Post Cap:

- 1 Remove the solar panel by lifting it straight up from the top of the cap (Figure 3).
- 2 Install the batteries.
- 3 Replace the solar panel.
- 4 Your Solar Tiffany-style post cap is now ready to be attached to your post (Figure 1).

Post and Stair Lights

- 1 Slide plastic lens back to separate from top portion.
- 2 Open battery compartment.
- 3 Remove the plastic tab from the battery compartment to allow connection to the terminal.
- 4 Ensure battery is firmly in place and switch is in "on" position.
- 5 Attach bracket to post using screws included in package.
- 6 Slide the Post and Stair Light onto the bracket.

Solar Post Caps

Our Solar Metal Post Caps and Solar Tiffany-style Glass Post Caps are among the unique, yet classic touches you can add to your outdoor project. By day, they add beauty to your deck. By night, they enhance your setting with a welcoming glow, without the hassles of wiring or electricity.

By installing a solar post cap light on your deck, you are contributing to a greener environment. Solar post caps get their energy from the sun, the Earth's most available energy source. This helps offset greenhouse gases and reduces the need for dry-cell battery disposal. They are also economical: Keeping your deck illuminated with solar post caps will not increase your electric bill.

Looking for a softer glow? No need to illuminate all of your post caps. Batteries can be taken out of the post cap or the tab can be reinserted into the battery compartment to keep the light inactive. Keep in mind you will need to recharge batteries after reinserting them. Some post caps have on/off switches. Make sure the switch is in the "off" position if you don't want a particular cap to illuminate.

Included with each of our solar post caps are LED light bulbs and rechargeable batteries. With normal use of 6 to 8 hours per day, our LED light bulbs will have an average life of 10 years. The rechargeable batteries will last an average of one year. They must be replaced with rechargeable batteries; using regular batteries in the sun will destroy the solar collector in the post cap.

Please note that our LED light bulbs are part of the whole solar cell component and are not designed to be replaced. If it is necessary to replace your light bulb or your solar collector, we have Solar Collector Replacement Units available.

(Contains nickel-cadmium rechargeable batteries. Battery must be recycled or disposed of properly.)

Post Cap Care and Maintenance

Metal Post Caps

Our copper, stainless steel and brass post caps come with a thin, clear marine lacquer designed to protect them before and during installation. Once exposed to the elements, the sun's ultraviolet rays, moisture and pollution begin to break down this coating, exposing the metal underneath.

Copper

In its natural state, copper breaks down in the elements and develops a patina. In general, copper progresses from a natural salmon color to a series of russet browns and grays, and finally to a blue-green or gray-green patina.

- To maintain the shiny look, apply a car wax immediately after purchasing the cap and reapply every 3 to 6 months.
- To remove an already tarnished finish, remove the old coating with mineral spirits and grade 0000 steel wool. Buff with grade 0000 steel wool for a satin finish. For a mirror-like finish, apply a car wax or spray with a clear lacquer or polyurethane and let dry, and then apply a car wax.
- To encourage a natural patina, remove the lacquer with mineral spirits and grade 0000 steel wool.

Stainless Steel and Brass

Stainless steel has a hard oxide coating, making it resistant to stains. To maintain this coating, clean periodically with a mixture of vinegar and club soda. As with the copper post caps, our brass post caps are protected with a thin, clear coating of lacquer. Periodic reapplication of this clear coating will help to protect the brass.

Colored Metal Post Caps

Our Victoria post caps come in a variety of colors, including white, green, real patina, pewter and black. These colors are a powder-coated, baked-on finish that is extremely hard and durable, rarely requiring maintenance.

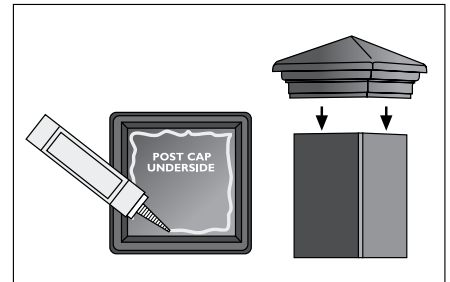


Figure 1



Figure 2

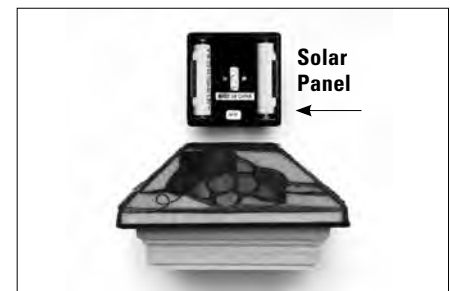


Figure 3

Wood Post Caps

As with all wood products, we recommend that you coat these with a high-quality exterior finish to preserve the wood's natural beauty and ensure a lifetime of enjoyment. Apply to all wood areas, including the underside of the cap, before installation.

Glass Post Caps

Exposure to the elements may cause the copper-wrapped solder on your glass post cap to oxidize and lose its original color. Applying car wax before placing the post cap outdoors will help to prevent the initial oxidation. Reapply the car wax every 3 to 6 months as needed.

Note: If your post cap has a wood base, apply a high quality exterior finish to all wood areas before installation. We recommend reapplying the finish annually to preserve the wood's natural beauty and protect it from the elements.

DECK STONE INSTALLATION INSTRUCTIONS

Items You Will Need:

- Measuring Tape
- Pencil
- Power Drill
- String Line
- Rubber Mallet
- Exterior Construction Adhesive (PL400 or Equivalent)
- Skill Saw with a Diamond Blade or Tile Saw
- Outdoor Decking Screws – #7 x 1 5/8"

Layout

When installing deck stones, first spend time considering layout possibilities. The size of each deck stone is approximately 16" square, and 1 1/8" thick with the joist connector. Each deck stone is made from natural materials; therefore, sizes may vary slightly. Consider this when planning your layout. Allow 1/8" transition space between the deck stone and any other decking material for expansion and contraction. We recommend adding an additional joist connector where the different materials meet. Make sure the deck is framed 16" on-center. Staggered solid blocking between joists is necessary to ensure square and even joists. Staggered blocking should be installed at 4-foot spacing intervals. Check to ensure deck frame is square; plane down any crowns and shim where joist sags are unavoidable. Typically, one would place the first row of deck stones down on the outside edge and work back toward the house. This will ensure a full tile at the outside edge and eliminate a cut. There are, however, many deck configurations that may result in starting in the middle or at the house.

String Line

It is important to run string lines in both directions of the deck to ensure a straight line and proper deck stone placement. The joist connector has built-in spacing tabs that are designed to give the minimum spacing required. Additional spacing may be necessary to achieve proper 16" on-center spacing.

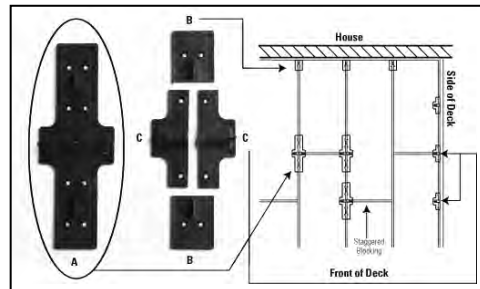


Figure 1

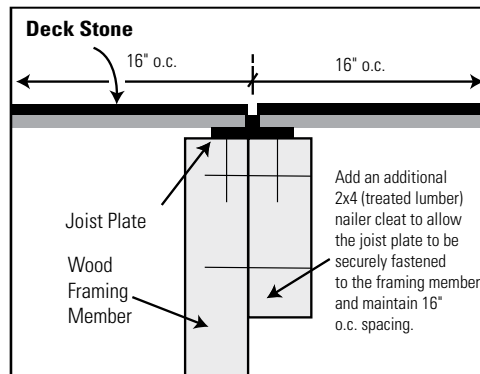


Figure 2

Starting

Familiarize yourself with the joist connector and the deck stone panel, and how they fit together. The ribs on the bottom of the deck stone panel must run from joist to joist. There are three different functions available with the joist connector by making field cuts. You will need to have a cutoff saw to accomplish the cuts necessary in the next procedure. Starting in the center of the outside edge of the deck, take part "B" (Figure 1) and place on the joist. Screw part "B" down to the joist. *NOTE* If joist spacing is inconsistent and offset too far, it will need to have a 2x4 sister joist installed underneath it to provide the proper support (Figure 2).



Figure 3



Figure 4

Edges

When installing along the edge, if the joist connector doesn't engage with the groove on the deck stone or there isn't a joist connector on that piece, apply an exterior construction adhesive on the surface of the joist connector to secure the deck stone panel to the joist connector (Figure 3). Along the sides of the deck, use part "C" to secure the deck stone panel.

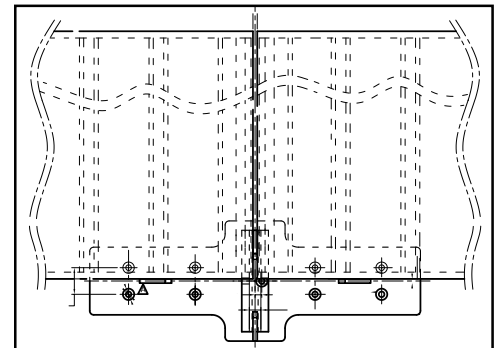


Figure 5

Subsequent Rows

Once the first row is installed, the second row of deck stone panels can be placed. After placing the second row, joist connector A can be placed underneath the deck stone panel. Place the joist connectors so that the countersunk screw hole in the center of the joist connector is exposed. Put a screw into the joist connector hole and into the joist below (Figure 4). Place two more screws, staggered in remaining exposed holes (three screws per joist connector). You may now place subsequent rows (Figure 5).

Finishing

If you have started on the outside and have worked back toward the house, you may have a situation where you need to trim a deck stone panel. Place joist connector part B up close to the house. Take exterior construction adhesive and apply generously to the topside of joist connector part B. Take the deck stone panel and starting at a 45-degree angle, slide the panel with the grooved end into the joist connector from the previous row and slowly drop into place. Weight should be applied to the top surface of the cut deck stone panel to make full contact with the construction adhesive.

Maintenance

Use of an exterior impregnator sealer is required to reduce staining and to protect the stone in freeze-thaw conditions. We recommend sealing your deck stones once a year as per warranty.

Questions?

If you have additional questions, please contact customer service at 877.463.8379.

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POSTCOVER INSTALLATION INSTRUCTIONS

Introduction

Carefully plan your entire deck, from deck boards to rails and stairs, before cutting your first board or drilling your first hole. Account for the unique design and dimensions of Deckorators® postcovers and your chosen rail system in the planning stage. Inventory all necessary postcovers and associated rail connectors and fasteners at the job site, before getting started. For installations over 4x4 nominal wood posts, you will need (2) 2x4-pieces of treated or cedar lumber per in-line rail postcover and (4) 2x4 pieces of treated or cedar lumber per corner rail postcover. The length of the 2x4 depends on the height of the postcover. 42" postcovers require 41" high 2x4s and the 53" requires 52" high pieces.

Items you may need to complete the installation:

- Exterior masonry adhesive (epoxy or silicone caulk)
- Wood shims
- Drill
- 1/8" Masonry drill bit
- Saw (if trimming is required)
- Diamond masonry blade (if trimming is required)
- Carpenter's pencil
- 100 grit coarse aluminum oxide sandpaper
- 2x4s as required (see introduction section)
- 2-1/2" wood deck screws as required
- #8 x 3-1/2" exterior grade screws* (2 per rail bracket)
- Safety glasses



Stacked Stone

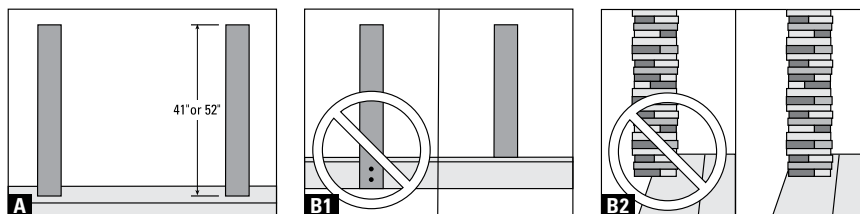
Cobblestone

Fieldstone

Step 1 • Secure 4x4 or 6x6 nominal treated or cedar wood posts

A The deck design will dictate how you install and secure the deck posts. Be sure the post extends 41 inches above the deck surface to ensure a proper fit with the 42" postcover and 52" above the deck for a proper fit with the 53" postcover.

B Posts should be installed on the inside of the deck frame, to allow the postcover to rest entirely on the decking.



Note: Use a saw with a diamond masonry blade if trimming of the postcover is required. Always trim the bottom of the postcover, which is the side without the lip.

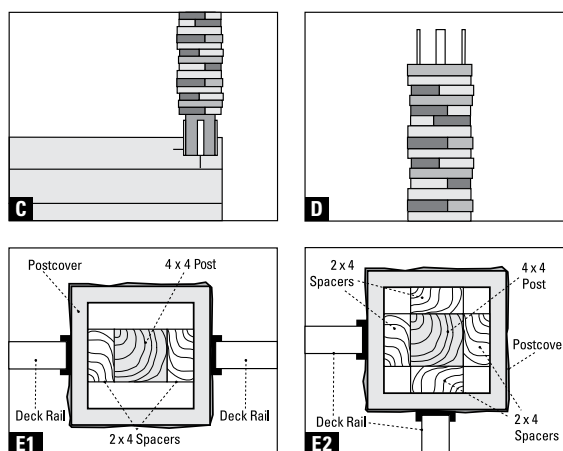
Step 2 • Install postcover

C A 6x6 S4S (smooth four sides) wood post can vary from 5-1/4" to 5-5/8" in thickness and may be subject to slight irregularities. Use wood shims at the top and bottom of the post to ensure a snug fit. Shim the bottom and slide the postcover over the post to the deck base.

D Shim the top of the post for a tight, level fit. It is important to shim evenly on all four sides so the post remains centered within the postcover.

E If the installation is over a 4x4 nominal wood post, then wood 2x4s will need to be added to the sides of the 4x4 post. The number of 2x4s differs

based on the location of the wood posts. You will need (2) 2x4-pieces of lumber per in-line rail postcover and (4) 2x4 pieces of lumber per corner rail postcover. The length of the 2x4 depends on the height of the postcover. 42" postcovers require 41" high 2x4's and the 53" requires 52" high pieces. For in-line rail posts, attach the 2x4s to the sides of the wood post where the connector and railing will be installed using 2-1/2" wood deck screws. For corner posts, install 2x4s to all four sides of the post using 2-1/2" wood deck screws.



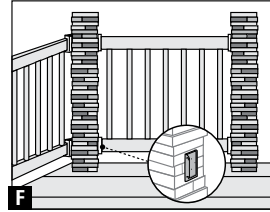
In-line Rail

Corner Rail

Step 3 • Build rail section

F Deckorators Postcovers can be used with wood, composite material or vinyl rail sections. Rail connectors (sold separately) allow for trouble-free installation of 90-degree, 22.5-degree and 45-degree rail angles, and 35-degree stair angles.

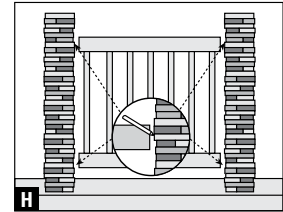
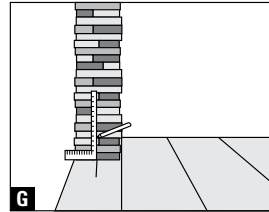
Build your first rail section to use as a template, before adding the rail connectors to the postcovers.



Step 4 • Rail connector placement

G Before you install the rail connectors, you must first mark the center of the postcover. To do this, make a vertical mark on the postcover using a carpenter's pencil.

H Lift the rail section into place and line it up with the vertical mark on the postcover. Make sure it is level and plumb, and mark where the rail connectors should go.

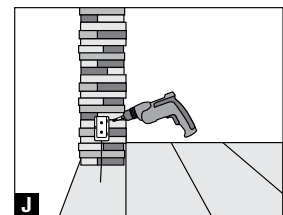
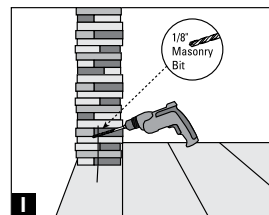


Step 5 • Install rail connectors

I Hold the connectors up to the postcover in their proper location, mark the connector holes and pre-drill using a 1/8" masonry drill bit.

J Fasten the connectors to the postcover and wood post using #8 x 3-1/2" exterior grade screws* (sold separately). The screws MUST be attached to the wood post for proper structural support.

The postcover is for decorative use only. Although the postcover finish was designed with rail connectors in mind, some sanding may be required for a perfectly plumb installation. Simply sand the uneven spot within the location of the connector bracket using 100 grit coarse aluminum oxide sandpaper.

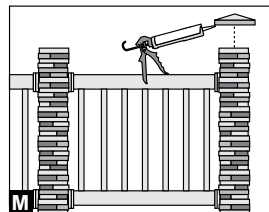
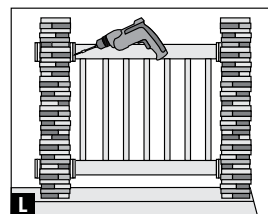
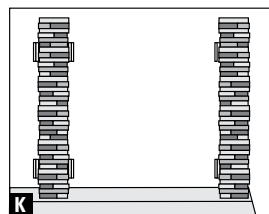


Step 6 • Finish the job

K To complete the first rail section installation, drill holes and install connectors on the other side.

L Cut rails to fit and place them as you go. Secure rails to connectors with the screws provided. Finish deck railing.

M If using postcover post caps, use a strong exterior masonry adhesive to secure post cap to the postcover.



Note: *If any chips or blemishes have occurred to the finish of the postcover due to mishandling, they can be touched up using an exterior latex paint. Simply apply using a small sponge, dabbing it lightly and wiping off any excess.*

* Screw must be compliant with ANSI/ASME Standard B18.6.1-1981 with a yield strength of 90,000 psi.

The diagrams and instructions in this brochure are for illustration purposes only and are not meant to replace a licensed professional. Any construction or use of the product must be in accordance with all local zoning and/or building codes. The consumer assumes all risks and liability associated with the construction or use of this product. The consumer or contractor should take all necessary steps to ensure the safety of everyone involved in the project, including, but not limited to, wearing the appropriate safety equipment. Except as contained in the written limited warranty, the Warrantor does not provide any other warranty, either express or implied, and shall not be liable for any damages, including consequential damages.



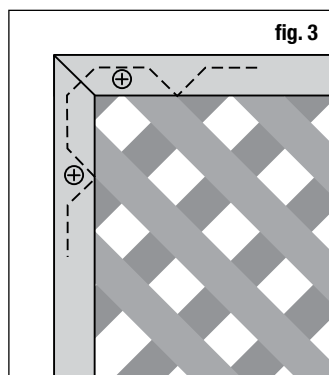
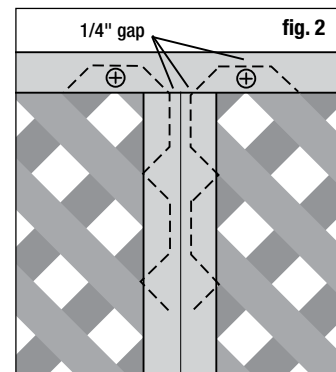
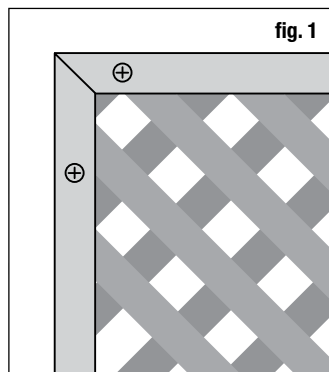
For more information, visit www.deckorators.com
800.332.5724



PLASTIC LATTICE INSTALLATION TIPS

Installation Tips

- Deckorators plastic lattice can be cut and drilled using standard tools.
- Use rustproof or rust-resistant fasteners to maintain the beauty of your project over time.
- For a distinguished look, frame panels with plastic caps and connect panels with plastic dividers (fig. 1).
- Always allow a 1/4" gap between the lattice edge and moulding for the panel to expand and contract with temperature changes (fig. 2).
- Lattice must be attached to a self-supporting structure or frame. Suspend lattice from top row of fasteners.
- Along the top, **predrill oversized holes** every two feet through both the moulding and lattice with a 1/4" drill bit and fasten with screws. Do not overtighten screws.
- Along the sides and bottom, predrill oversized holes every two feet through the moulding only and fasten with screws. **DO NOT overtighten screws (fig. 3).**
- **DO NOT** install lattice in a horizontal application. Without proper support, lattice will be prone to sagging, rippling and heat retention.



Finishing

Deckorators lattice is a nonporous material. Coatings such as paints and stains do not adhere well to the surface.

Plastic Lattice Painting Tips

Materials Needed

- Aerosol paint
- Plastic lattice sheet

STEP 1

Clean the surface of the paintable plastic lattice sheet with a solution of warm water and dish soap.

Rinse and allow to dry.

STEP 2

Apply two thin coats of primer for plastic over the entire surface, as instructed on the can. Allow to dry between coats. Paint for plastic can be used without primer per product instructions.

STEP 3

Once dry, apply a thin coat of any aerosol paint over the entire surface, per product directions. Allow to dry as directed.

STEP 4

Apply a second coat of aerosol paint over entire lattice sheet. Allow to dry as directed.

This information is given in good faith, without warranty and for guidance purposes only, since the nature and quality of the paint or primer purchased by consumer is out of UFP's control. Under no circumstances should these instructions be followed if they are contrary to the instructions or advice of the primer or paint manufacturer.

THE DIAGRAMS AND INSTRUCTIONS IN THIS BROCHURE ARE FOR ILLUSTRATION PURPOSES ONLY AND ARE NOT MEANT TO REPLACE A LICENSED PROFESSIONAL. ANY CONSTRUCTION OR USE OF THE PRODUCT MUST BE IN ACCORDANCE WITH ALL LOCAL ZONING AND/OR BUILDING CODES. THE CONSUMER ASSUMES ALL RISKS AND LIABILITY ASSOCIATED WITH THE CONSTRUCTION OR USE OF THIS PRODUCT. THE CONSUMER OR CONTRACTOR SHOULD TAKE ALL NECESSARY STEPS TO ENSURE THE SAFETY OF EVERYONE INVOLVED IN THE PROJECT, INCLUDING, BUT NOT LIMITED TO, WEARING THE APPROPRIATE SAFETY EQUIPMENT. EXCEPT AS CONTAINED IN THE WRITTEN LIMITED WARRANTY, THE WARRANTOR DOES NOT PROVIDE ANY OTHER WARRANTY, EITHER EXPRESS OR IMPLIED, AND SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING CONSEQUENTIAL DAMAGES.

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Decking and Composite Railing Limited Warranty

ELIGIBILITY

UFP Ventures II, Inc. (the “Warrantor”) is pleased to extend this Warranty to you, the original Consumer of the DecoRators product. This Warranty is valid for original Consumers of DecoRators Decking and Composite Railing material used in standard residential dwellings and may not be assigned or transferred by you.

25-YEAR STRUCTURAL LIMITED WARRANTY

Warrantor will, at its option, either replace or refund the appropriate prorated portion of the purchase price as set forth in the “Prorated Refund Schedule” below for any DecoRators Decking or Composite Railing product used in a residential decking or railing application that splinters, corrodes or becomes structurally unfit due to rot, split, warp, cupping, checks or damage caused by termites or fungal decay within 25 years from the date of purchase.

25-YEAR LIMITED WARRANTY – STAIN RESISTANCE

Warrantor will, at its option, either replace or refund the appropriate prorated portion of the purchase price as set forth in the “Prorated Refund Schedule” below for any DecoRators Decking or Composite Railing product used in a residential decking or railing application that exhibits permanent staining in the first 25 years from the date of purchase when exposed to food and beverage spills, including wine, tea, coffee, fruit punch, sodas, catsup, salad oils, barbeque sauces, mustard and other food- or beverage- related items that would typically be present on a residential deck. This Warranty will only apply if an attempt is made by Consumer to remove any such spill from the decking material with water and mild household cleaners within forty-eight (48) hours of exposure to the surface, and such attempt is unsuccessful. Staining as a result of spilled abrasive compounds of acidic or basic pH, strong solvents, oil-based paints or stains, metallic rust and other abnormal items not commonly used on a residential deck are not covered under this Warranty.

25-YEAR LIMITED WARRANTY – FADE RESISTANCE

Warrantor will, at its option, either replace or refund the appropriate prorated portion of the purchase price as set forth in the “Prorated Refund Schedule” below for any DecoRators Decking or Composite Railing product used in a residential decking or railing application that exhibits “Excessive Color Fade” within the first 25 years from the date of purchase. Excessive Color Fade is defined as a change in color greater than five (5) Delta E (CIE) when calculated according to ASTM D2244 for all non-variegated color surfaces. Excessive Color Fade for variegated color surfaces is defined as an unreasonable amount of color change in excess of “Normal Weathering.”

25-YEAR REMOVAL AND REPLACEMENT WARRANTY

If a DecoRators Decking or Composite Railing product is proven to be defective and eligible for replacement or refund under the terms of this Warranty and was installed in strict accordance with the installation instructions, Warrantor will provide, in addition to replacement product or a prorated refund of the purchase price, a prorated portion of the reasonable and customary costs associated with installing replacement products, including removal and disposal of defective products (“Replacement Costs”). Replacement Costs will be prorated as set forth in the “Prorated Refund Schedule” and based off of the reasonable and customary Replacement Costs on the date of the original purchase. This amount shall not be adjusted for inflation. Replacement Costs shall not include the cost of permits required or obtained in connection with installing replacement products.

LIMITATIONS ON WARRANTY

Stain Limitations: The DecoRators Decking and Composite Railing products are not stain-proof. Care must be taken to remove all food, beverage and other spilled materials with water and a mild household cleaner within forty-eight (48) hours of exposure. Stains resulting from spilled abrasive compounds of acidic or basic pH, strong solvents, oil-based paints or stains, metallic rust and other abnormal items not commonly used on a residential deck are excluded from coverage under this Warranty; Excluded stains include but are not limited to pet or human bodily fluids such as blood, vomit, urine or feces, and fungicides, bactericides, biocides and chemical-based plant food. Mold and mildew can settle and grow on any outdoor surface and, if not properly cleaned, can stain that surface. Staining associated with mold or mildew that is not properly cleaned within one week of first appearance is not covered under this Warranty. If stains persist, you will be required to produce documentation that you attempted to have the deck professionally cleaned at least one time prior to making a claim under this Warranty.

Fade Limitations: No decking material is fade-proof when exposed to sunlight and other common atmospheric conditions. Normal Weathering is to be expected over the life of the product and is not covered under this Warranty. Normal Weathering is defined as exposure to sunlight and extremes of weather and atmosphere that will cause any colored surface to gradually fade, chalk, or accumulate dirt or stains. Warrantor shall not be liable for any incidental or consequential damages arising out of the use or ownership of this product. Some states do not allow limitations on how long an implied Warranty lasts and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

This Warranty does not cover any product that:

- Is damaged by physical abuse, acts of God, acts of war, or other chemical or biological factors.
- Has not been installed in accordance with the manufacturer's installation guidelines and local building codes.
- Has been abused, placed under or subjected to abnormal residential-use conditions or has surface damage or surface punctures.
- Has been painted, coated, used, modified or otherwise treated in any manner other than as intended by Warrantor.
- Has been directly or indirectly exposed to extreme heat (in excess of 250 degrees Fahrenheit).

Failure to follow any restrictions or warnings supplied with the product shall make the Warranty null and void and of no further effect. Warrantor reserves the right to investigate any claim and to inspect the materials for which a claim is made. Any construction or use of this product must be in accordance with all local zoning and/or building codes. The Consumer assumes all risk and liability associated with the construction or use of this product. The Consumer or contractor should take all necessary steps to ensure the safety of everyone involved in the project, including, but not limited to, wearing the appropriate safety equipment.

CLAIM PROCEDURE

To make a claim under this Warranty, the Consumer must, within ninety (90) days of actual or constructive notice of damage covered by this Warranty, do the following:

1. Prepare a letter that includes the following information:
 - A list of the number of pieces and the size of each piece for which the claim is made.
 - Proof of Purchase of the product, as shown on the original invoice or receipt.
 - Proof of Warranty, as evidenced by the original UPC or end-tag from the product, or a copy of the mark on the product.
2. Mail the above information to:

Universal Consumer Products, Inc.
Warranty Information
2801 East Beltline NE, Grand Rapids, MI 49525

PRORATED REFUND SCHEDULE

Years since purchase	Percent purchase price covered
Years 1 - 6	100%
Years 7 - 10	80%
Years 11 – 14	60%
Years 15 – 18	40%
Years 19 – 21	20%
Years 22 - 25	10%



ALX Railing and Baluster Lifetime Limited Warranty

ELIGIBILITY

Universal Consumer Products, Inc. (the “Warrantor”) is pleased to extend this Warranty to you, the original consumer/end user (the “Consumer”) of the DecoRators product. This Warranty is valid for DecoRators ALX Railings, Aluminum Balusters and Scenic (tempered glass) Balusters (“Railing Product”) used in standard residential applications, and may not be assigned or transferred by you.

LIFETIME LIMITED WARRANTY

Warrantor, at its sole option, will replace or refund a prorated portion of the purchase price for any DecoRators ALX Railings used in a decking/railing application where the coated surface chips, cracks, checks, chalks or peels. Warrantor will also, at its sole option, replace or refund a prorated portion of the purchase price for any manufacturing defects in any tempered glass material or aluminum extrusion for your DecoRators ALX Railings used in a decking/railing application.

Warrantor shall have no further liability or obligation except as expressly stated herein. If a claim is made under this Warranty on a product that is no longer available, Warrantor reserves the right to provide a similar product of equivalent quality and value.

TWENTY-FIVE-YEAR REMOVAL AND REPLACEMENT WARRANTY

If a Railing Product is proven to be defective and eligible for replacement or refund under the terms of this Warranty and was installed in strict accordance with the installation instructions, Warrantor will provide, in addition to replacement product or a prorated refund of the purchase price, a prorated portion of the reasonable and customary costs associated with installing replacement products, including removal and disposal of defective products (“Replacement Costs”). Replacement Costs will be prorated as set forth in the “Prorated Refund Schedule” and based off of the reasonable and customary Replacement Costs on the date of the original purchase. This amount shall not be adjusted for inflation. Replacement Costs shall not include the cost of permits required or obtained in connection with installing replacement products.

Prorated Refund Schedule

Years Since Purchase	% Purchase Price Covered
Years 1 - 6	100%
Years 7 - 10	80%
Years 11 - 14	60%
Years 15 - 18	40%
Years 19 - 21	20%
Years 22 - 25	10%

LIMITATIONS ON WARRANTY

The Warranty does not apply to any product that:

- Is damaged by physical abuse, acts of God, acts of war, exposure to acid rain or other chemical or biological factors.
- Has not been installed or maintained in accordance with Warrantor’s installation and maintenance instructions.
- Has been abused or placed under or subjected to abnormal residential use conditions.
- Has been used, modified or otherwise treated in any manner other than as intended by Warrantor.
- Has been stored improperly prior to installation, resulting in excess exposure to moisture.
- Has been subjected to welding, bending, drilling, cutting or other fabrication not called for in Warrantor’s installation guidelines.
- Has been exposed to a corrosive environment, including the use of adhesive tapes, sealants or mastics in direct contact with the coated product.
- Is damaged by continuous exposure to salt water conditions when installed within one (1) mile of any coastal salt water.



ALX Railing and Baluster Lifetime Limited Warranty

Failure to follow any restrictions or warnings supplied with the Product shall make the Warranty null and void and of no further effect. Warrantor reserves the right to investigate any claim and to inspect any product for which a claim is made. Any construction or use of this product must be in accordance with all local zoning and/or building codes. The Consumer assumes all risk and liability associated with the installation or use of this product.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

WARRANTOR SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR OWNERSHIP OF THIS PRODUCT.

The limited warranties expressly provided in this document are the only warranties given on the Product and are in lieu of all other warranties, and Deckorators expressly disclaims all other warranties of any kind, whether express or implied, including without limitation, the implied warranties of merchantability and fitness for a particular purpose or intended use.

CLAIM PROCEDURE

To make a claim under this Warranty to receive replacement product, the original owner must, within 90 days of actual or constructive notice of damage covered by this Warranty, do the following:

1. Prepare a letter that includes the following information:
 - A list of the number of pieces and the size of each piece for which the claim is made.
 - Proof of Purchase of the product, as shown on the original invoice.
 - Proof of Warranty, as evidenced by the original product label, or a copy of the mark on the product.
2. Mail the above information to:

Universal Consumer Products, Inc.
Warranty Information
2801 East Beltline NE
Grand Rapids, MI 49525

THERE ARE NO OTHER WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. WARRANTOR DOES NOT MAKE ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE.

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WARRANTY INFORMATION

DECK STONES

Deck Technologies, Inc. warrants its product to be free from defects in material and workmanship when delivered to its customers. The composite decking elements in the product are warranted against rot, decay and termites for a period of twenty (20) years and against all other deficiencies for ten (10) year from the date of purchase. The granite stone components in the product are warranted against delamination for five (5) years, and all other stone components are warranted for two (2) years from the date of purchase. This warranty is predicated on the condition that the customer applies an appropriate sealer material on the StoneDeck panels, in accordance with the manufacture's specified recommendations, in order to protect the stone from the effects of the weather – and/or chemical-related deterioration.

For complete warranty, please visit <http://www.deckorators.com/care-warranty>

POSTCOVERS

15-year Limited Warranty. During the limited warranty period, Warrantor, at its soles option, will replace or refund a prorated portion of the purchase price for any Deckorators postcovers that exhibits a defect in material or workmanship in the form of splitting, rusting, cracking, or corrosion. The Warranty does not cover costs of installation, removal or reinstallation.

Warrantor's sole obligation is limited to a prorated refund or replacement of the Deckorators postcover, and Warrantor shall have no further liability or obligation except as expressly stated herein. If a claim is made under this Warranty on a product that is no long available, Warrantor reserve right to provide a similar product of equivalent quality and value.

For complete warranty, please visit <http://www.deckorators.com/care-warranty>

POST CAPS

Limited Warranty. Warrantor will repair or replace any Post Cap that exhibits defects in material or workmanship, for all but the Solar Light Components in a solar post cap, for a period of two years following date of purchase. Warrantor will repair or replace any Post Cap that exhibits defects in materials or workmanship in the Solar Light Components for a period of one year following date of purchase. Solar Light Components includes the solar panel, the low voltage solar cell and the L.E.D. light bulb. This Warranty does not cover the rechargeable battery. This Warranty does not cover cost of installation, removal or reinstallation. Warrantor's sole obligation is limited to repair or replacement, and Warrantor shall have no further liability or obligation except as expressly stated herein. If a claim is made under this Warranty on a product that is no longer available, Warrantor reserves the right to provide a similar product of equivalent quality and value.

For complete warranty, please visit <http://www.deckorators.com/care-warranty>

LOW VOLTAGE

Limited Warranty. Warrantor's warranty obligation for the Deckorators Lighted Balusters, Deckorators Post Cap Lights and Deckorators Recessed Lighting Kit is valid only for the standard application and use for which these products are intended. Warrantor, at its sole option, will repair or replace any Deckorators Lighted Baluster, Deckorators Post Cap Lights and Deckorators Recessed Lighting Kits used in a decking/railing application where the Product exhibits defects in materials or workmanship within five (5) years following the date of purchase. Warrantor's warranty obligation for the Deckorators Transformer is valid only for the standard application and use for which this product is intended. Warrantor, at its sole option, will repair or replace any Deckorators Transformer used in a deck/railing application where the Product exhibits defects in materials or workmanship within three (3) years following the date of purchase. This Warranty does not cover cost of installation, removal or reinstallation. Warrantor's sole obligation is limited to a replacement of the Product, and Warrantor shall have no further liability or obligation except as expressly stated herein. If a claim is made under this Warranty on a product that is no longer available, Warrantor reserves the right to substitute replacement with a similar product of equivalent quality and value at Warrantor's discretion.

For complete warranty – please visit <http://www.deckorators.com/care-warranty>

LATTICE

Lifetime Limited Warranty. Warrantor's warranty obligation for the Product is valid only for the standard residential application and use for which the Product is intended. When installed vertically according to UCP instructions and under normal proper use, the Product will uniformly maintain its color and will not peel, pit, rot, blister, warp, crack, corrode or be consumed by insects. Warrantor, at its sole option, will repair or replace any Dimensions Plastic Lattice used in a standard residential application where the Product exhibits defects or degradations in materials or workmanship following the date of purchase. This Warranty does not cover costs of installation, removal or reinstallation. Warrantor's sole obligation is limited to a replacement of the Product, and Warrantor shall have no further liability or obligation except as expressly stated herein. If a claim is made under this Warranty on a product that is no longer available, Warrantor reserves the right to substitute replacement with a similar product of equivalent quality and value at Warrantor's discretion.

For complete warranty – please visit <http://www.deckorators.com/care-warranty>



GET THIS LOOK Black CXT Pro Contemporary railing, black Lighted Square balusters, black Estate balusters with Estate mounting hardware, black Light Band VersaCaps and Recessed Lighting Stair Kit with shades

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Go Beyond Ordinary

Deckorators.com 800.332.5724

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