Inspiration For Outdoor Living™

Deckorators®

Pro Guide 2011

deckorators.com

Black Estate Balusters
with Square Duo Connectors
and Black Solar Metal Cap

Contents

Deckorators®

Balusters

Deckorators low-maintenance aluminum and easy-to-install glass balusters offer several distinctive options. Versatile aluminum Classic balusters are available in seven colors and three lengths, and lend outdoor settings a sleek, contemporary feel. Colonial balusters add timeless elegance, Baroque balusters give a European flavor, and Arc balusters add graceful curves to a design. Estate balusters bring a modern touch to outdoor projects. And for classic, geometric styling, Deckorators offers Traditional balusters.

For an outdoor "room with a view," look to Scenic glass balusters. Hourglass-shaped Contour and straight, beveled-edge Frontier are made of 5/16"-thick tempered safety glass.

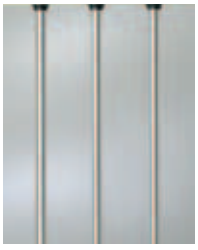

Classic Black


Classic White


Classic Bronze


Classic Forest


Classic Clay


Classic Stainless


Classic Rust


Colonial Black


Colonial White


Colonial Bronze


Baroque Black


Baroque Bronze


Baroque White


Arc Black


Arc Bronze


Estate Black


Estate Bronze


Estate White


Traditional Black


Traditional Bronze


Clear Frontier

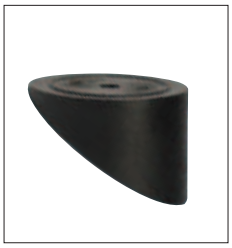

Clear Contour

Baluster	Baluster Height	Fits Rail Height	Balusters Per Foot	Available Colors
Classic	26" 32" 36"	36" 42" 46"	2.5	Black White Bronze Clay Forest Stainless Rust
Colonial	26"	36"	2.5	Black Bronze White
Baroque	32.25" 36"	36" or 40" 42"	2.5	Black Bronze White
Arc	32.25"	36"	2.5	Black Bronze
Estate	26" 32"	36" 42"	2.5	Black Bronze White
Traditional	32"	36"	2.5	Black Bronze
Scenic Frontier	26" 32"	36" 36" or 42"	1.5	Clear
Scenic Contour	32"	36" or 42"	1.5	Clear

Baluster Connector
- Allows Classic and Colonial balusters to be secured to the rail without routing holes.
- Packaged with stainless steel screws.
- One pack of 20, installs 10 balusters.

Stair Connector
- Stair connectors work with stair angles between 30 and 35 degrees.
- Packaged with stainless steel screws.
- One pack of 20, installs 10 balusters.

Designer Baluster Connector
- Combine with Classic and Colonial balusters to create a molded look.
- Designer connectors easily secure to rail, using provided stainless steel screws.
- One pack of 20, installs 10 balusters.



Designer Baluster Stair Adaptor
- Use Designer stair adaptors with Designer baluster connectors.
- Adaptors made to fit a 35-degree stair angle.
- One pack of 20, installs 10 balusters.

Estate Baluster Connector
- Secure Estate balusters to rail without routing holes.
- Packaged with stainless steel screws.
- One pack of 20, installs 10 balusters.

Estate Baluster Stair Adaptor
- Use Estate stair adaptors with Estate baluster connectors.
- Adaptors made to fit a 35-degree stair angle.
- One pack of 20, installs 10 balusters.

Arched Duo Connector™
- Creates a look never before seen in aluminum railing systems.
- Offers the ultimate flexibility to create unique, personalized designs.
- Compatible with Deckorators Classic and Colonial baluster styles.
- Two per pack.

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.

Square Duo Connector™
- Creates a look never before seen in aluminum railing systems.
- Offers the ultimate flexibility to create unique, personalized designs.
- Compatible with Deckorators Estate baluster style.
- Two per pack.

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.

Scenic Baluster Connector
- Use to secure Scenic balusters to the rail.
- Creates a channel for the glass balusters and adds an elegant design component.
- Packaged with stainless steel screws.
- Two per pack, installs one baluster.

Scenic Baluster Stair Adaptor
- Easily installs underneath the Scenic Baluster Connectors for use on stairs.
- Set to a 35° stair angle.
- Packaged with stainless steel screws.
- Two per pack, installs one baluster.

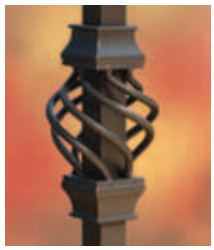
Basket and Collar Accessories

Deckorators baskets and collars for Classic and Estate balusters add additional style to deck railings. The powder-coated accessories slide over and are easily mounted on the baluster with the provided set screw.

Centerpiece Accessories

Deckorators centerpieces for Classic balusters add distinction to railings. Centerpieces in Classical, Vineyard and Nouveau styles are packaged with matching, self-drilling installation screws.

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



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

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

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

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

Vineyard
16-5/16"h x 7-1/4"w

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

Connector/Accessory	Available Colors
Baluster Connector	Black
Stair Connector	Black, White, Clay, Forest, Bronze
Designer Baluster Connector and Designer Baluster Stair Adaptor	Black, White, Clay, Forest, Rust, Bronze
Estate Baluster Connector and Estate Baluster Stair Adaptor	Black, White, Bronze
Arched Duo Connector and Arched Duo Connector Stair Adaptor	Black, White, Bronze
Square Duo Connector and Square Duo Connector Stair Adaptor	Black, White, Bronze
Scenic Baluster Connector and Baluster Stair Adaptor	Cedar, Redwood, Gray, Mahogany, White
Classic Basket and Collar	Black, Bronze
Estate Basket and Collar	Black, White, Clay, Forest, Rust, Bronze
Centerpiece	Black, Bronze

Aluminum Railing

Deckorators aluminum railing offers a durable black or white powder-coated finish that weathers the elements. The aluminum railing system with a robust profile and eye-catching appearance is backed by a lifetime limited warranty, designed to work with all Deckorators baluster styles, and available in 36- and 42-inch rail heights and both 6' and 8' lengths.

An innovative cap and insert system means cap rails snap on without visible fasteners. Full 4x4 post sleeves slide over treated 4x4s to work for remodels and new projects. Rails are sold in mix-and-match kits and colors. Bracket kits are available for stair rails and for 22.5- and 45-degree rail angles.

Black Aluminum Rail, Tropical Hardwood Cap Rail, Black Classic Balusters with Arched Duo Connectors and Tiffany-style Mission Post Caps

Scan code to learn more about Deckorators Recessed Lighting Kit.

Get the free mobile app at **http://gettag.mobi**

Recessed Lighting Kit

Rail Connector

NEW!

Tropical Hardwood Cap Rail

Black Aluminum Cap Rail, Insert Rail and 2x4 Rail

Deckorators code-compliant 6' White Aluminum Railing System, with Classic Stainless Balusters and White Aluminum Solar Post Caps

NEW!

Secondary Handrail

NEW!

Concrete Post Mount

Rail Product	Available Colors
Railing Connector	Black, White, Redwood, Cedar, Mahogany, Gray
Aluminum Rail	Black, White
Secondary Handrail	Adobe, White, Tan

Architectural Testing Approved®

CCRR-0161
ATI-AA676

Scan code to learn more about installing Deckorators Aluminum Railing

Get the free mobile app at **http://gettag.mobi**

Postcovers and Postcover Caps

NEW!

Deckorators is the industry's pioneer of ornamental covers for deck posts. The next generation of postcovers are durable, water-resistant, hand-painted, fiberglass-reinforced concrete. Postcovers are long-lasting, virtually maintenance-free and available in three styles. 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 2x4 rail connectors. Also available are a choice of three post caps that fit perfectly atop the postcovers.

Beige Stacked Stone Postcover

Gray Fieldstone Postcover

Gray Flat Postcover Cap

Natural Postcover Cap

Copper Postcover Cap

Gray Cobblestone Postcovers

Aluminum Railing Post Caps

Aluminum Railing 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. Aluminum solar post caps are available in black or white. Also available are solar Copper Square, Solarband, Copper High Point and handcrafted Tiffany-style stained-glass post caps.

Rechargeable batteries are included for solar styles. Post caps may be attached to the post by applying an exterior-grade metal construction adhesive to the underside of the cap and placing firmly on the post.

Tiffany-style California Grape with Black Base

Tiffany-style California Grape with White Base

Tiffany-style Mission with Black Base

Tiffany-style Mission with White Base

Tiffany-style Sunflower with Black Base

Tiffany-style Sunflower with White Base

Black Solarband

White Solarband

Copper Solarband with Black Base

Copper Solarband with White Base

Copper High Point with Black Base

Copper High Point with White Base

Solar Copper Square with Black Base

Solar Copper Square with White Base


Black Aluminum High Point


Black Aluminum High Point


Black Aluminum Solar


White Aluminum Solar

Illuminating/Glass/ Decorative Post Caps

Tiffany-style stained-glass and serpentine jade, formed metal, and designer metal solar post caps brighten without wiring or electricity. Convertible post caps use an included solar cell or a candle. Planter post caps and a sundial add dimension, while Jewel post caps add vibrant tones. Solar post and stair lights are available in black or white.

All caps available in 4x4 (3-5/8" x 3-5/8" opening) and 6x6 (5-5/8" x 5-5/8" opening) sizes, except Dynasty and Pentwater Post Caps, which are available in 4x4 only.


Dynasty Copper and Gunmetal Black Post Post Cap Light


Pentwater Copper Post Cap Light


Copper Planter Post Cap


Black Square Planter Post Cap


Round Convertible Copper Post Cap Light


Solar Tiffany-style Seagrass Serpentine Jade


Solar Tiffany-style California Grape


Solar Tiffany-style Sunflower


Solar Tiffany-style Mission


Solar Metal Stainless


Solar Metal Pewter


Solar Metal Black


Solar Post and Stair Light, White


Solar Post and Stair Light, Black


Tiffany-style Seagrass Serpentine Jade


Tiffany-style California Grape


Tiffany-style Sunflower


Tiffany-style Mission


Jewel Garnet


Jewel Sapphire


Jewel Emerald

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) sizes.

Maranacook Post Caps available in 5-5/8" x 5-5/8" and 6-1/8" x 6-1/8" sizes.


Victoria Copper High Point


Victoria White High Point


Victoria Green High Point


Victoria Stainless High Point


Victoria Pewter High Point


Victoria Black High Point


Victoria Copper Plateau


Victoria Copper Ball


Victoria White Ball


Victoria Green Ball


Victoria Stainless Ball


Victoria Pewter Ball


Victoria Black Ball


Copper Post Point


Real Patina Post Point


Maranacook Brushed Stainless High Point


Maranacook White High Point


Maranacook Real Patina High Point


Maranacook Pewter High Point


Maranacook Polished Stainless High Point


Maranacook Pewter Ball


Maranacook Polished Stainless Ball

Wood Post Caps/Deck Trim

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

All wood caps and trim available in 4x4 (3-5/8" x 3-5/8" opening) and 6x6 (5-5/8" x 5-5/8" opening) sizes.


Newport High Pyramid


Newport Classic


Newport Copper High Top


Newport Ball


Newport Primed High Pyramid


Newport Primed Primed Classic


Hatteras Castine


Hatteras Flat Top


Hatteras Pyramid


Traditional Post Base Trim

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 that batteries will need to be allowed to recharge when reinserted. 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. Spray with a clear lacquer or polyurethane. Let dry and 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, 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.

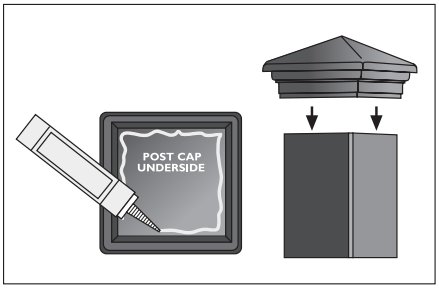


Figure 1

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.

Use this worksheet to determine the materials you will need to complete your Deckorators aluminum railing. Circle the code number that correlates with the correct item and color/size, and jot down the quantity needed of each. Record your totals in the summary section on the second page. Use the grid on the second page for basic layout drawing.

Description	Black	White	Qty
2x4 Railing Kit - 1 per 6′ or 8′ on center rail section			
6′ Rail Kit with Brackets	117661	117662	
8′ Rail Kit with Brackets	128468	128469	
Cap Rail Kit - 1 per railing kit (optional)			
6′ Cap Rail Kit with Insert	117665	117666	
8′ Cap Rail Kit with Insert	128474	128475	
6′ Tropical Hardwood Cap Rail w/ Insert	128464		
8′ Tropical Hardwood Cap Rail w/ Insert	128464		
4x4 Post Sleeve - 1 per railing kit plus one to end each run			
40-1/4″ Post Sleeve (for 36″ rail)	117663	117664	
52″ Post Sleeve (for 42″ rail)	118444	118445	
4x4 Post Cap - 1 per post			
High Point Pyramid	117677	117678	
Copper Pyramid	128968	128967	
Tiffany-style Mission	128970	128969	
Tiffany-style California Grape	128972	128971	
Tiffany-style Sunflower	128974	128973	
Aluminum Solar	117675	117676	
Solar Square Copper	128976	128975	
Copper Solarband, White Base	128979	128977	
White Solarband, White Base		128980	
Black Solarband, Black Base	128982		
4x4 Post Base Trim - 1 per post sleeve (optional)			
Post Base Trim	117667	117668	
Rail Bracket Kits - As needed			
Rail Bracket Kit - 2 pk	117671	117672	
Stair Rail Bracket Kit - 2 pk	117673	117674	
22.5° Angle Wedge Kit - 2 pk	117773	117774	
45° Angle Wedge Kit - 2 pk	117669	117670	

Description	42″	53″	Qty
Cast Stone Postcovers (optional-use in place of post sleeve)			
Beige Stacked Stone	128234	128235	
Gray Cobblestone	128236	128237	
Gray Fieldstone	128238	128239	
Cast Stone Post Caps (optional)			
Copper Cast Stone	128242		
Natural Curved Cast Stone	128240		
Gray Flat Cast Stone	128241		

Description	Black	Bronze	White	Clay	Forest	Rust	Stainless	Qty
Baluster Kits-1.5 kits per 6′ rail section OR 2 kits per 8′ rail section (must order in whole quantities)								
26″ Classic 10 pk	74698	74701	74710	74704	74706	74708	74703	
32″ Classic 10 pk	74719	74722	74731	74725	74727	74729	74724	
36″ Classic 10 pk	74740	74741	74746	74742	74743	74744	74745	
26″ Colonial 10 pk	74712	74714	74715					
26″ Estate 10 pk	95821	95878	124352					
32″ Estate 10 pk	118785	118786	124337					
32″ Traditional 10 pk	74733	74734						
32-1/4″ Baroque 5 pk	74737	74738	124338					
40″ Baroque 5 pk	74747	74748	124339					
32-1/4″ Arc 5 pk	74735	74736						
Baluster Connector Kits-1 connector kit per classic or colonial baluster kit (add stair adaptors as needed)								
Baluster Connector 20 pk	32632							
Stair Connector 20 pk	74817	74818	74827	74819	74826			
Designer Connector 20 pk	74809	74810	74814	74811	74812	74813		
Designer Stair Adaptor 20 pk	74820	74821	74824	74825	74822	74823		
Estate Baluster Connector Kits - 1 connector kit per estate baluster kit (add stair adaptors as needed)								
Estate Connector 20 pk	95879	95880	124340					
Estate Stair Adaptor 20 pk	95881	95882	124341					
Duo Connectors-Use in place of baluster connectors. Quantities will vary based on design (optional)								
Arched 2 pk	128433	128450	128441					
Square 2 pk	128436	128453	128448					
Arched Stair Adaptor 2 pk	128444	128445	128446					
Square Stair Adaptor 2 pk	128457	128460	128463					

Description								Qty
Scenic Glass Balusters-9 balusters per 6′ rail section or 12 balusters per 8′ rail section								
26″ Clear Scenic Frontier 5 pk	81512							
32″ Clear Scenic Frontier 5 pk	74754							
32″ Clear Scenic Contour 5 pk	74752							

Description	Black	White	Gray	Redwood	Cedar	Mahogany	Qty
Scenic Baluster Connectors-1 connector kit per scenic glass baluster (add stair adaptors as needed)							
Frontier Connector 2 pk	128413	128414	74847	74849	74846	74848	
Frontier Stair Adaptor 2 pk	128415	128416	83219	83222	83220	83221	
Contour Connector 2 pk	128417	128418	74843	74845	74842	74844	
Contour Stair Connector 2 pk	128419	128424	83224	83223	83226	83225	
Railing Connectors							
Railing Connectors	74834		74837	74841	74835	74839	
Multi-Degree Rail Connectors	74828		74830	74832	74829	74831	

Deckorators Aluminum Railing System - Worksheet Summary

Item	Code	Quantity	Notes
2x4 Railing Kit			
Cap Rail Kit			
4x4 Post Sleeve			
4x4 Post Cap			
4x4 Post Base Trim			
Rail Bracket Kits			

Item	Code	Quantity	Notes
Baluster Kits			
Baluster Connector Kits			
Duo Connectors			
Cast Stone Postcovers			
Cast Stone Post Caps			
Other			

Contact Info

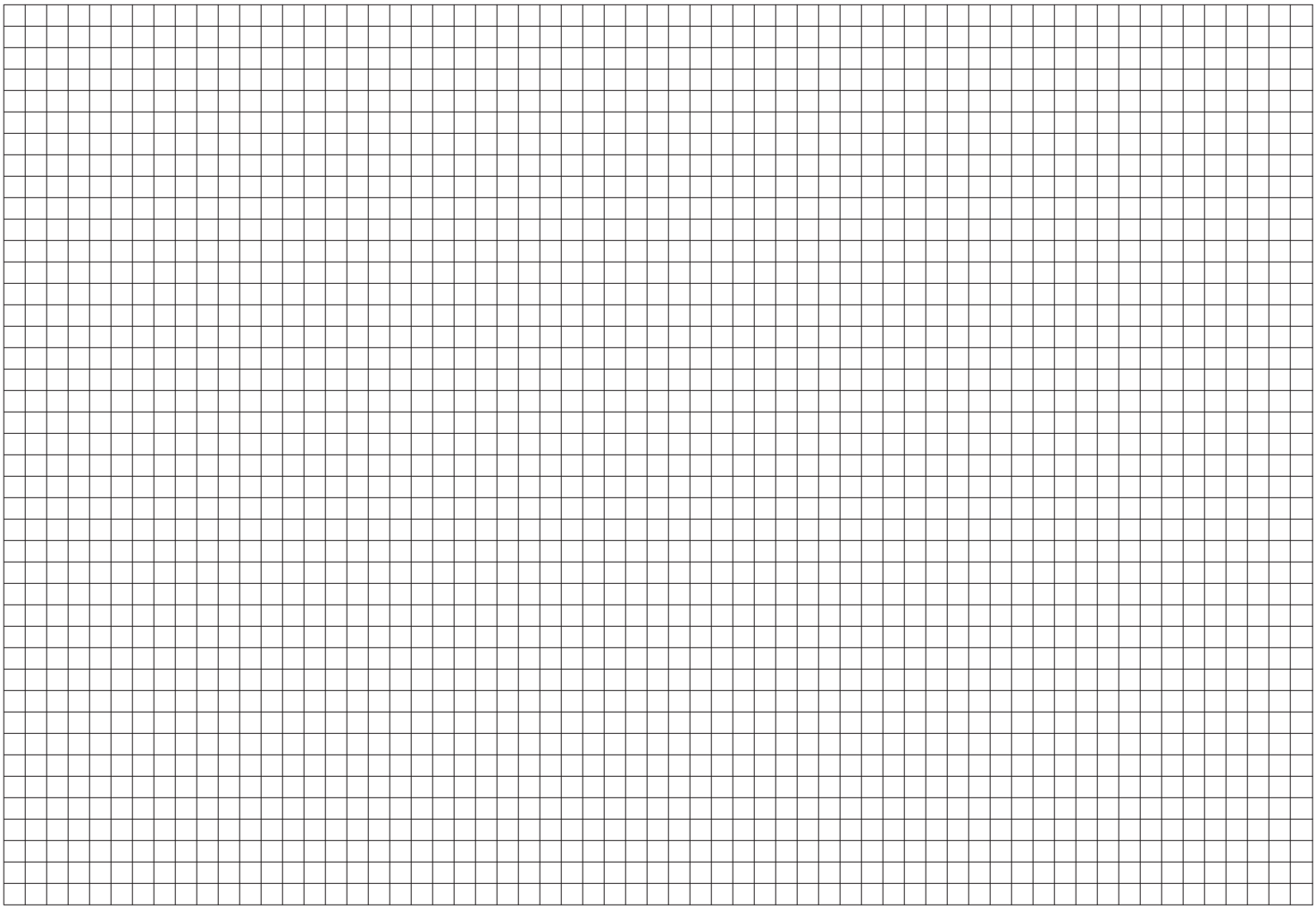
Name

Phone

Company

Email

Use grid below for basic layout drawing. Include corners that are not 45° or 90° and stair location.



For additional product information, please visit www.deckorators.com.
Deckorators is a registered trademark of Universal Consumer Products, Inc., in the United States.

For each 6' on-center railing section, you will need:

One 6' Railing kit that contains:
- **2** rails
- **1** in-line hardware kit that contains:
  4 in-line brackets
  8 – #6 x 2" long #2 square head screws
  12 – #4 x 1" long #2 square head screws
- **1** support block kit that contains:
  1 support block
  2 connectors
  2 screws

One cap rail kit (optional) that contains:
- **1** cap rail
- **1** insert rail
- **7** – #4 x 1" long #2 square head screws

22.5˚ and 45˚ adaptor wedges are available for angled railing applications.

Baluster Options

Classic, Colonial or Estate baluster kits that each contain:
- **10** aluminum balusters
- **1.5** kits needed per 6' on-center railing section

Baluster connector or designer baluster connector kits that each contain:
- **20** baluster connectors
- **1.5** kits needed per 6' on-center railing section

Traditional, Baroque or Arc baluster kits that each contain:
- **10** aluminum balusters
- **40** color-matched, stainless steel screws
- **1.5** kits needed per 6' on-center railing section

Glass
- **5** glass balusters
- **20** stainless steel screws
- **9** balusters required per 6' on-center railing section

One post sleeve

One post cap for each post sleeve (sold separately)

One post base trim for each post sleeve (sold separately)

Stair rail bracket kits for stair railing sections. Two kits required per 6' on-center railing section. Each kit contains:
- **2** stair brackets
- **4** – #6 x 2" long #2 square head screws
- **8** – #4 x 1" long #2 square head screws

Stair baluster connectors kits that each contain (Classic, Colonial & Estate only):
- **20** stair bracket connectors
- **1.5** kits needed per 6' on-center railing section

Items you will need

- 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. Never span more than 6' 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' 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 **(Figure 2)**.

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 (Figure 3a). 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 **(Figure 3b)**.

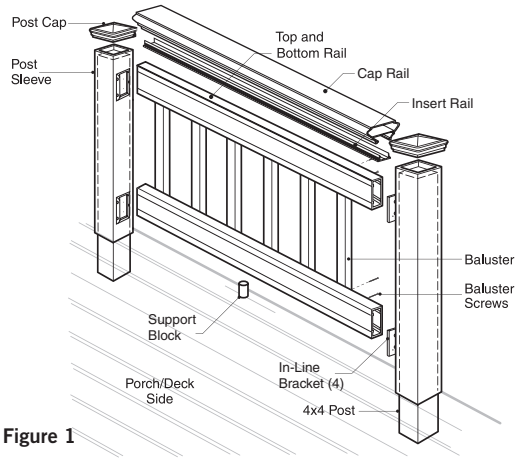


Figure 1

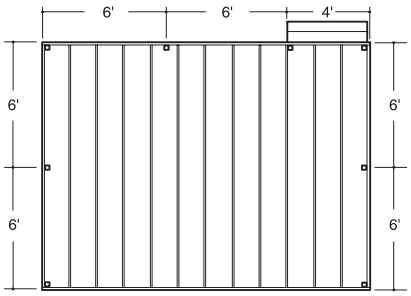


Figure 2


Figure 3a

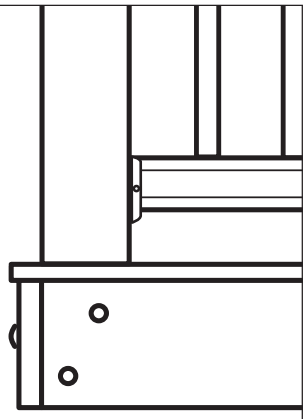


Figure 3b

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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 **(Figure 4a and 4b)**. 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 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 **(Figure 1)**. The distance between the post and first baluster should be less than 4" and equal on both ends **(Figure 4a and 4b)**. 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.

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, Colonial and Estate 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.

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 balusters 2-1/4" on-center each side of the center line. Mark every 4-1/2" from these lines to each end. This will leave the end spacing 4" or less on both ends and require 14 aluminum balusters **(Figure 5)**. Tip: Use a piece of 2x4 (3-1/2" actual) as a spacer block for the spacing between balusters.

Glass balusters: 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 nine glass balusters. Tip: Use a piece of 2x4 (3-1/2" actual) as a spacer block for the spacing between balusters **(Figure 5).**

Step 8 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 **(Figure 4a and 4b)**. 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 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 Figure 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" long screws. Tip: Use a driver extension bit to avoid marring the rail or post sleeve with the drill chuck.

Step 10 Figure 4a and 4b illustrate how a 36" high railing might be sized. If you want to have your railing at a different height, use Figure 4a and 4b as planning tools to determine the height to cut the post sleeves and support blocks. Note: Use a fixture to ensure a consistent length (+/- 1/16").

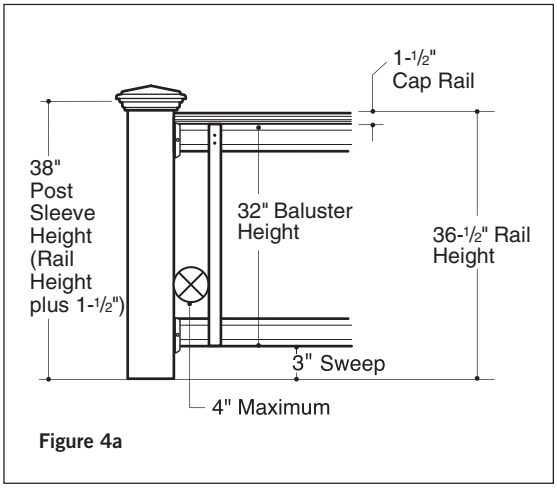

Figure 4a

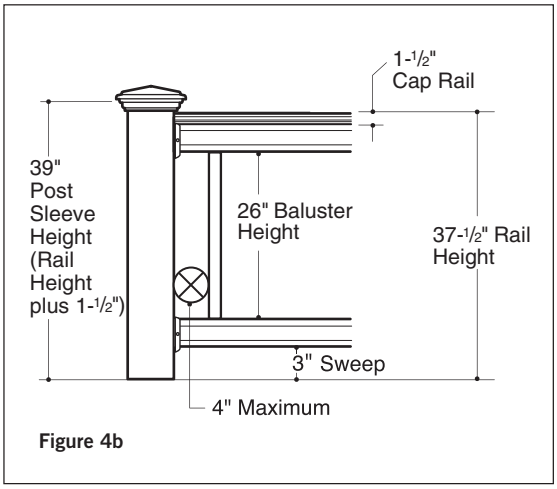

Figure 4b

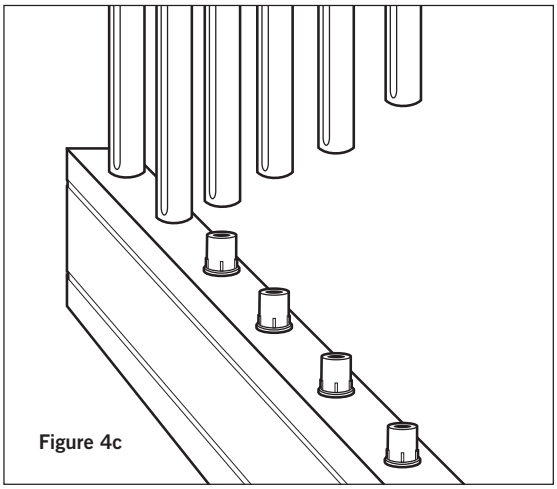
Figure 4c

Classic, Colonial and Estate balusters: Attach balusters to the lower rail by sliding onto connectors **(Figure 4c)**.

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" long screws at one end. Repeat for the other end.

Classic, Colonial and Estate balusters: 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" long 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 three 1" long screws. Tip: Use a driver extension bit to avoid marring the rail or post sleeve with the drill chuck.

Step 12 Traditional, Baroque, Arc and Glass balusters: Start the first two balusters 2-1/4" on-center each side of the center of the rail and work out to each end (on-center of the center line if using glass). 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 **(Figures 5 & 6)**.

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" long screws. Apply exterior-grade metal construction adhesive to the mating edges of the insert rail. Position cap rail over the insert rail **(Figure 7)**. 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° rails, 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° rails will require a cap rail wedge on top of the 45° adaptor **(Figure 8)**. 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.

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 3b**). 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 **(Figure 4)**. 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.

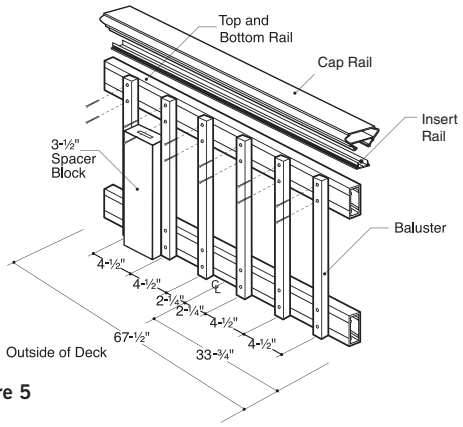

Figure 5

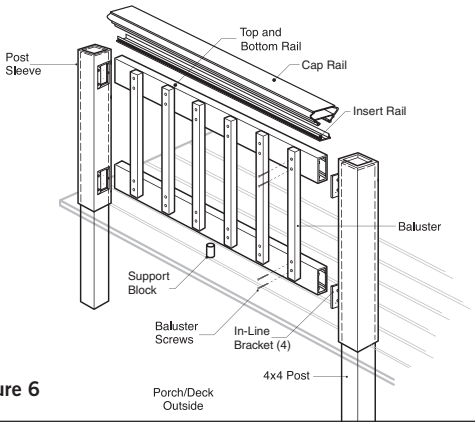

Figure 6

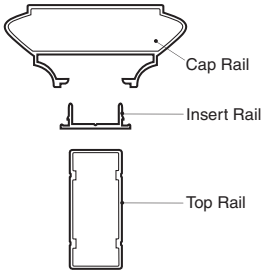

Figure 7

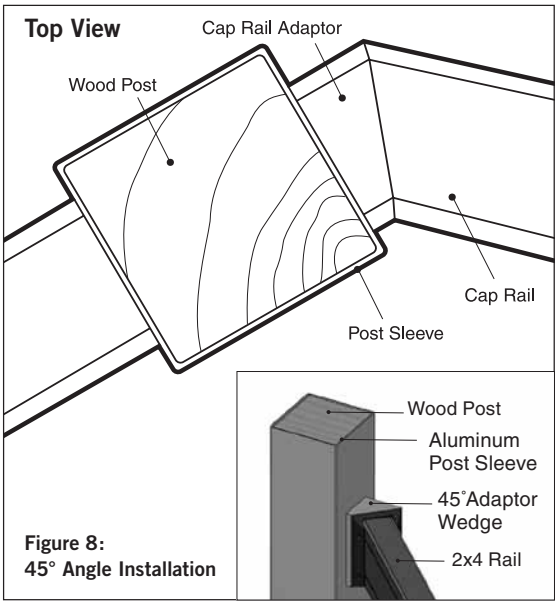

Figure 8: 45° Angle Installation

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 **(Figure 9)**.

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

If using Classic, Colonial or Estate 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 **(Figure 10)**. 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 **Figure 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, Colonial and Estate 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, Colonial and Estate 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 **(Figure 10)**.

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.

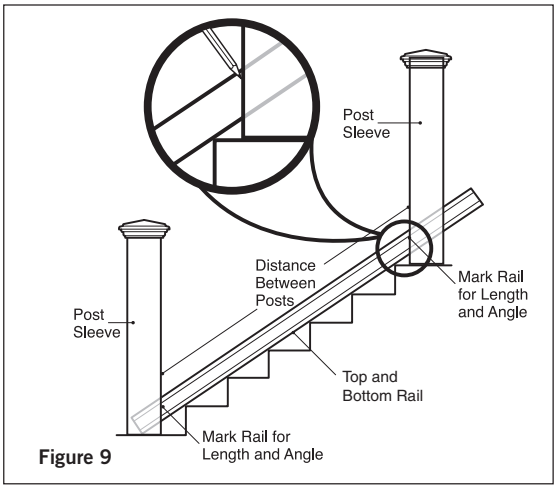

Figure 9

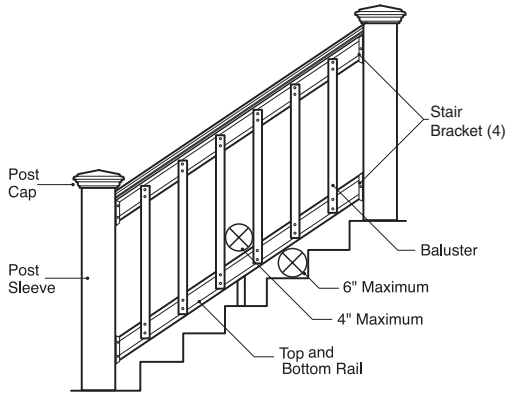

Figure 10

For each 8' on-center railing section, you will need:

One 8' Railing kit that contains:
- **2** rails
- **1** in-line hardware kit that contains:
  4 in-line brackets
  8 – #6 x 2" long #2 square head screws
  12 – #4 x 1" long #2 square head screws
- **1** support block kit that contains:
  1 support block
  2 connectors
  2 screws

One cap rail kit (optional) that contains:
- **1** cap rail
- **1** insert rail
- **9** – #4 x 1" long #2 square head screws

22.5˚ and 45˚ adaptor wedges are available for angled railing applications.

Baluster Options

Classic, Colonial or Estate baluster kits that each contain:
- **10** aluminum balusters
- **2** kits needed per 8' on-center railing section

Baluster connector or designer baluster connector kits that each contain:
- **20** baluster connectors
- **2** kits needed per 8' on-center railing section

Traditional, Baroque or Arc baluster kits that each contain:
- **10** aluminum balusters
- **40** color-matched, stainless steel screws
- **2** kits needed per 8' on-center railing section

Glass
- **5** glass balusters
- **20** stainless steel screws
- **12** balusters required per 8' on-center railing section

One post sleeve

One post cap for each post sleeve (sold separately)

One post base trim for each post sleeve (sold separately)

Stair rail bracket kits for stair railing sections. Two kits required per 8' on-center railing section. Each kit contains:
- **2** stair brackets
- **4** – #6 x 2" long #2 square head screws
- **8** – #4 x 1" long #2 square head screws

Stair baluster connectors kits that each contain (Classic, Colonial & Estate only):
- **20** stair bracket connectors
- **2** kits needed per 8' on-center railing section

Items you will need

- 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. 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 8' on-center. Example: A 16x20 deck attached to a building with a 4' access opening on one side will require a total of eight posts **(Figure 2)**.

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 (Figure 3a). 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 **(Figure 3b)**.

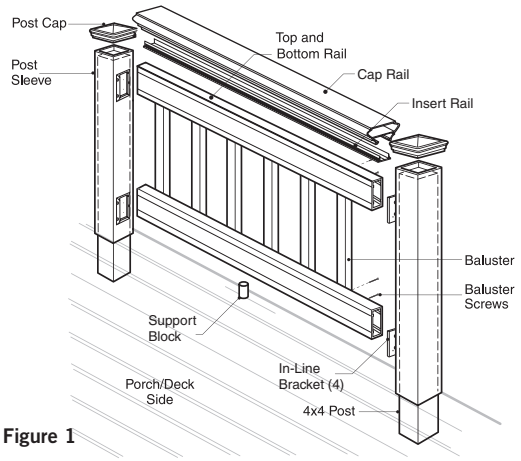

Figure 1

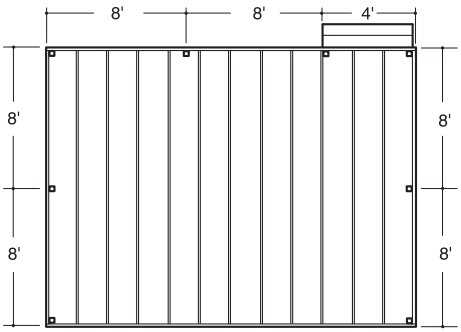

Figure 2


Figure 3a

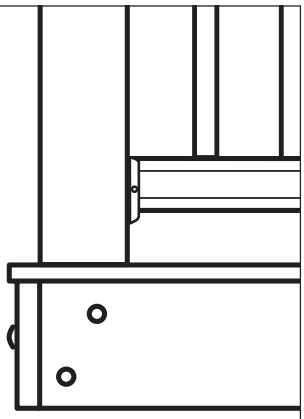
Figure 3b

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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 **(Figure 4a and 4b)**. 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 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 **(Figure 1)**. The distance between the post and first baluster should be less than 4" and equal on both ends **(Figure 4a and 4b)**. 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.

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, Colonial and Estate 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.

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 balusters 2-1/4" on-center each side of the center line. Mark every 4-1/2" from these lines to each end. This will leave the end spacing 4" or less on both ends and require 19 aluminum balusters **(Figure 5)**. Tip: Use a piece of 2x4 (3-1/2" actual) as a spacer block for the spacing between balusters.

Glass balusters: 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 12 glass balusters. Tip: Use a piece of 2x4 (3-1/2" actual) as a spacer block for the spacing between balusters **(Figure 5).**

Step 8 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 **(Figure 4a and 4b)**. 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 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 Figure 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" long screws. Tip: Use a driver extension bit to avoid marring the rail or post sleeve with the drill chuck.

Step 10 Figure 4a and 4b illustrate how a 36" high railing might be sized. If you want to have your railing at a different height, use Figure 4a and 4b as planning tools to determine the height to cut the post sleeves and support blocks. Note: Use a fixture to ensure a consistent length (+/- 1/16").

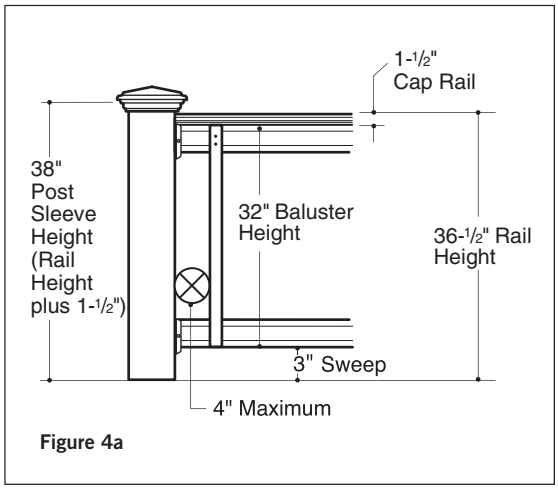


Figure 4a

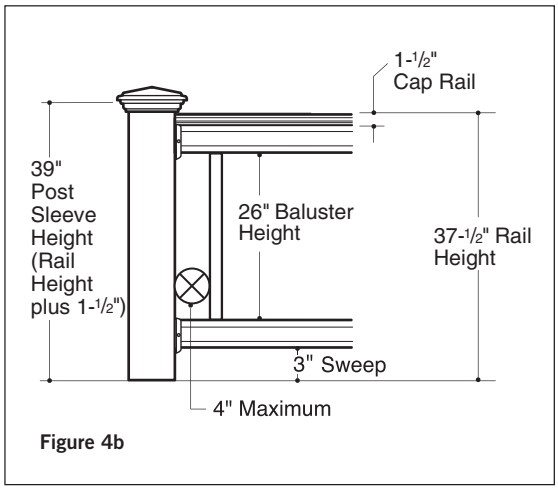


Figure 4b

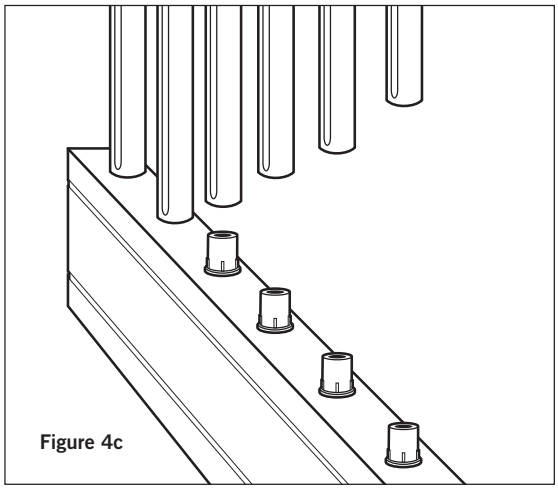


Figure 4c

Classic, Colonial and Estate balusters: Attach balusters to the lower rail by sliding onto connectors **(Figure 4c)**.

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" long screws at one end. Repeat for the other end.

Classic, Colonial and Estate balusters: 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" long 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 three 1" long screws. Tip: Use a driver extension bit to avoid marring the rail or post sleeve with the drill chuck.

Step 12 Traditional, Baroque, Arc and Glass balusters: Start the first two balusters 2-1/4" on-center each side of the center of the rail and work out to each end (on-center of the center line if using glass). 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 **(Figures 5 & 6)**.

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" long screws. Apply exterior-grade metal construction adhesive to the mating edges of the insert rail. Position cap rail over the insert rail **(Figure 7)**. 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° rails, 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° rails will require a cap rail wedge on top of the 45° adaptor **(Figure 8)**. 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.

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 3b**). 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 **(Figure 4)**. 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.

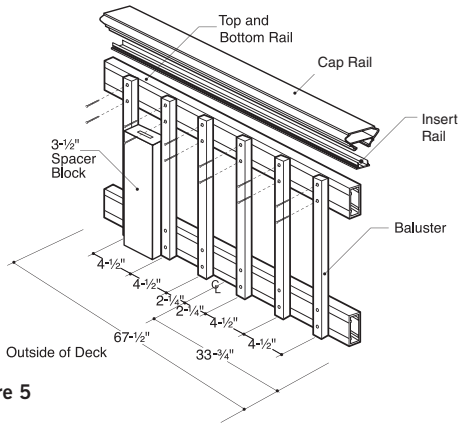


Figure 5

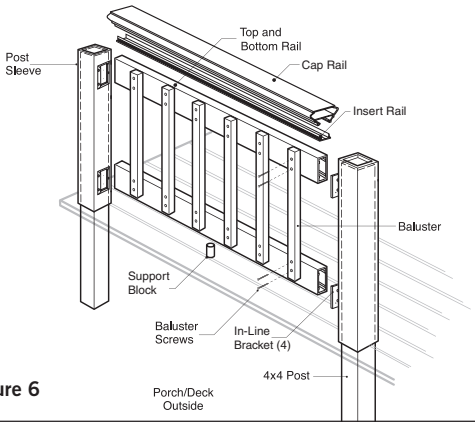


Figure 6

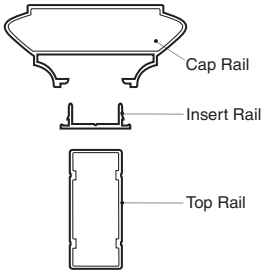


Figure 7

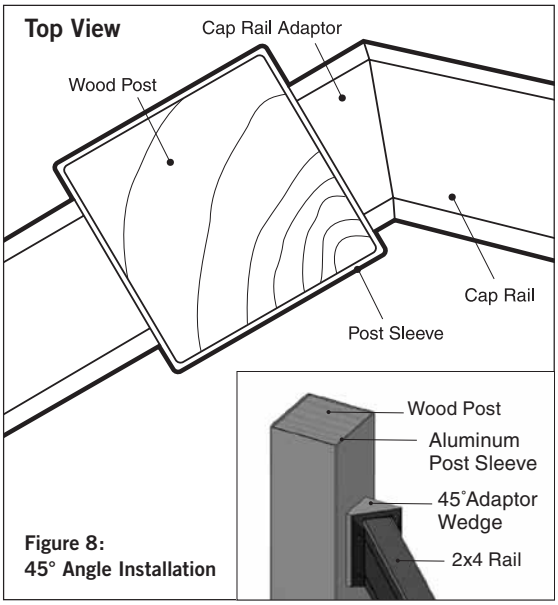


Figure 8: 45° Angle Installation

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 **(Figure 9)**.

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

If using Classic, Colonial or Estate 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 **(Figure 10)**. 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 **Figure 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, Colonial and Estate 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, Colonial and Estate 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 **(Figure 10)**.

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.

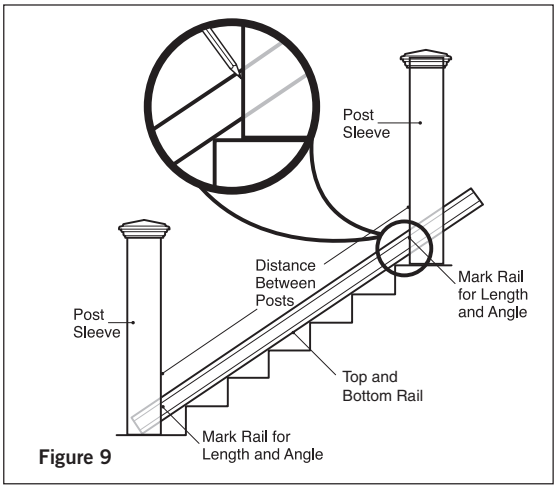


Figure 9

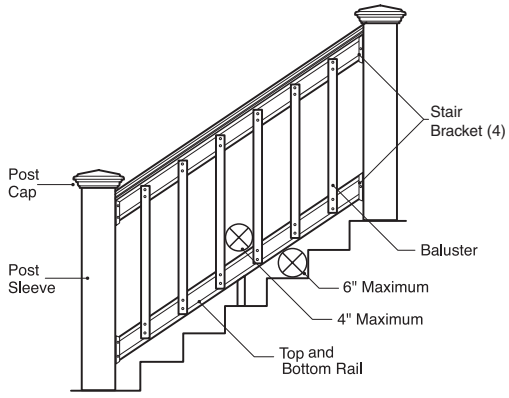


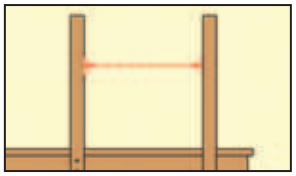
Figure 10

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

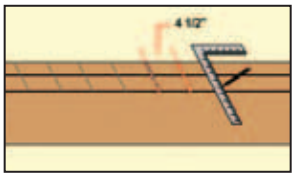
Items You Will Need:
- Deckorators baluster connectors (sold separately)
- Deckorators stair connectors (sold separately)
- Deckorators rail connectors (optional, sold separately)
- Drill driver
- Tape measure
- Clamps
- Safety glasses
- Carpenter's pencil
- White rubber mallet
- Support blocks (can 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. *Never span more than 6' between railing posts.*

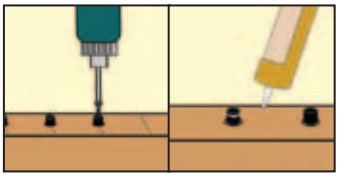
In-Line railing



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

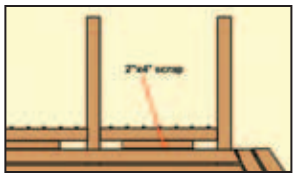


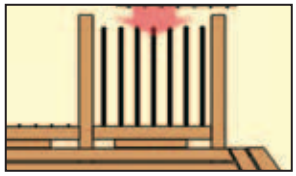
Step 2: Cut top and bottom rails (2x4s) to length and clamp together. Mark top and bottom rails 4-1/2" on-center, starting from the center of the rail.



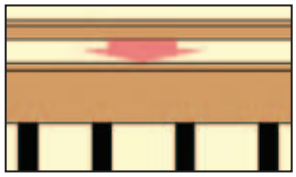
Step 3: Using a drill driver, screw on Deckorators baluster connectors (sold separately) on each mark using the screws provided. Apply silicone caulk on each connector to prevent balusters from turning or rattling after installation is complete. The caulk should be on the outside of the connector, where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

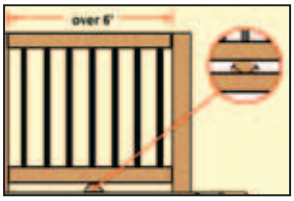




Step 4: Place the bottom rail between the rail posts, supported by a 1-1/2" block (2x4 scrap material works best). Secure rail to posts using Deckorators rail connectors (sold separately) and slide balusters over the bottom connectors. Carefully place top rail over the balusters, making sure each baluster is seated properly on each connector.

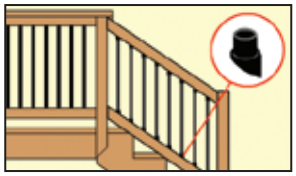


Step 5: Inspect finished railing for proper baluster spacing and secure top rail. Add a cap rail for a finished look.

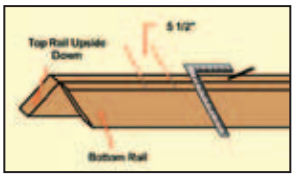


Step 6: For rail sections longer than 4', support blocks are recommended. These can be made from leftover 2x4 rail material. Properly position the support block and toe-nail it to the bottom rail and deck board.

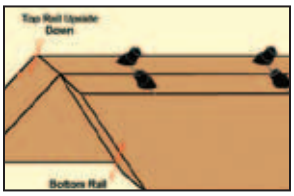
Stair Railing

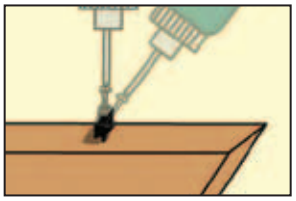


Step 7: Stair rails and balusters can present an installation challenge. Deckorators angled stair rail connectors (sold separately) create a snug and accurate baluster fit for stair angles ranging from 30 to 35 degrees. Cut top and bottom stair rails at the proper angle. Lay top and bottom 2x4 rails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

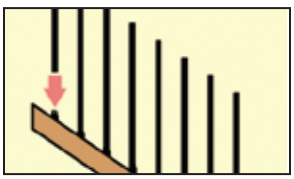


Step 8: Clamp the top and bottom rails together with the top 2x4 rail inverted. Position rails as shown and mark 5-1/2"on-center, working from the center out to the ends of the rails.





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.

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. *Never span more than 6' 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 4-½" on-center using a tape measure or marked speed square. This will leave a 3-¾" 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 1-½" 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 5-½" 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.

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. *Never span more than 6' 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.

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)

Deckorators Scenic Glass Balusters are for decorative use only and are not suitable for structural use. 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. *Never span more than 6' 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: 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 ÷ 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.

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

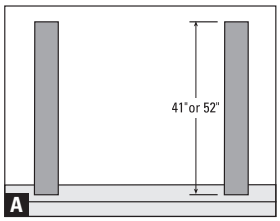
Cobblestone

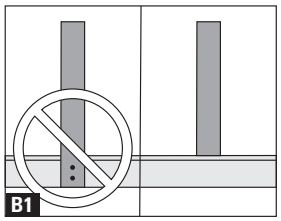
Fieldstone

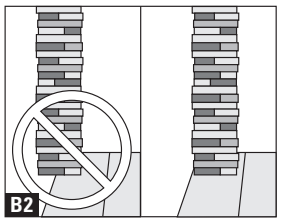
Step 1 • Secure 4x4 or 6x6 nominal treated or cedar wood posts

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.







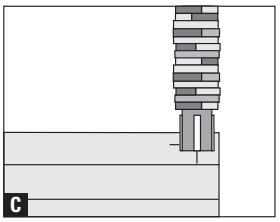
Note: *Use a saw with a diamond masonry blade if trimming of the postcover is required. Always trim the bottom of the postcover, which is the side without the lip.*

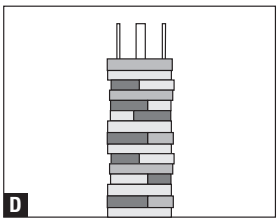
Step 2 • Install postcover

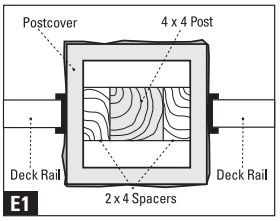
C A 6x6 S4S (smooth four sides) wood post can vary from 5-1/4" to 5-5/8" in thickness and may be subject to slight irregularities. Use wood shims at the top and bottom of the post to ensure a snug fit. Shim the bottom and slide the postcover over the post to the deck base.

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.

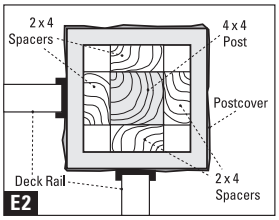
E If the installation is over a 4x4 nominal wood post, then wood 2x4s will need to be added to the sides of the 4x4 post. The number of 2x4s differs based on the location of the wood posts. You will need (2) 2x4-pieces of lumber per in-line rail postcover and (4) 2x4 pieces of lumber per corner rail 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



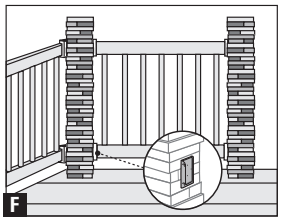
Corner Rail

1

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.

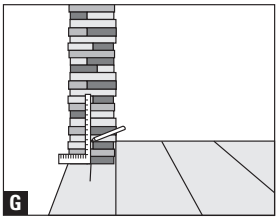
Build your first rail section to use as a template, before adding the rail connectors to the postcovers.

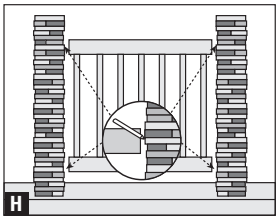


Step 4 • Rail connector placement

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.



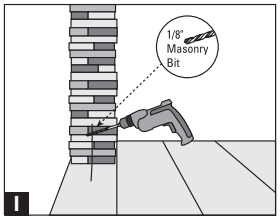


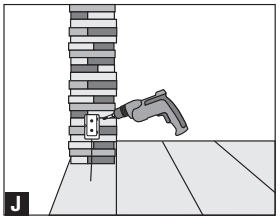
Step 5 • Install rail connectors

I Hold the connectors up to the post-cover 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.



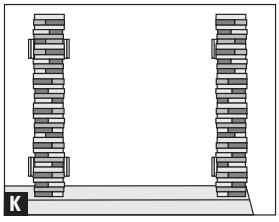


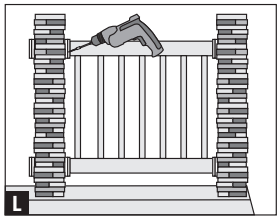
Step 6 • Finish the job

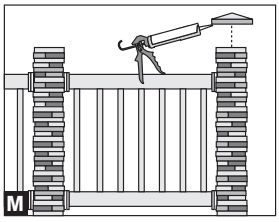
K To complete the first rail section installation, drill holes and install connectors on the other side.

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.*

Deckorators

For more information, visit www.deckorators.com

800.332.5724

Deckorators (the "Warrantor") is pleased to extend this Warranty to you, the original consumer/end user (the "Consumer") of the post cap product. This Warranty is valid for all Deckoratorsl post caps ("Post Cap") and may not be assigned or transferred by you.

LIMITED WARRANTY

Warrantor will repair or replace any Post Cap that exhibits defects in materials 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.

LIMITATIONS ON WARRANTY

The Warranty does not apply to any Post Cap that:

- Is damaged by physical abuse, acts of God, acts of war, 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 use conditions.
- Has been used, modified or otherwise treated in any manner other than as intended by Warrantor.
- Has been disassembled or repaired by anyone other than Warrantor.

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

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 limitations and exclusions herein 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.

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 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 copy of the product label.

(2) Mail the above information to:

Deckorators Warranty Information
2801 East Beltline NE
Grand Rapids, Michigan 49525

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

ELIGIBILITY

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

LIMITED LIFETIME WARRANTY

Warrantor, at its sole option, will replace or refund a prorated portion of the purchase price for any Deckorators Railing Product 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 Deckorators Railing Product used in a decking/railing application.

This 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 Railing 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 provide a similar product of equivalent quality and value.

LIMITATIONS ON WARRANTY

The Warranty does not apply to 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 Warrantor's installation guidelines and local building codes.
- 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.

Failure to follow any restrictions or warnings supplied with the product shall make this Warranty null and void and of no further effect. Warrantor reserves the right to investigate any claim and to inspect the materials for which the claim is made. Any construction or use of product must be in accordance with 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.

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

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 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, Michigan 49525

Prorated Refund Schedule:

Percentage of original purchase price	Years since purchase
100%	1-7
50%	8-10
25%	11 or more

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

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

LIMITED LIFETIME WARRANTY

Warrantor, at its sole option, will replace or refund a prorated portion of the purchase price for any Deckorators Railing Product 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 Deckorators Railing Product used in a decking/railing application.

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LIMITATIONS ON WARRANTY

The Warranty does not apply to 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 Warrantor's installation guidelines and local building codes.
- 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.

Failure to follow any restrictions or warnings supplied with the product shall make this Warranty null and void and of no further effect. Warrantor reserves the right to investigate any claim and to inspect the materials for which the claim is made. Any construction or use of product must be in accordance with 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.

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

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 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:

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Warranty Information
2801 East Beltline NE,
Grand Rapids, Michigan 49525

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

Universal Consumer Products, Inc. (the "Warrantor") is pleased to extend this Warranty to you, the original retail consumer/end user (the "Consumer") of the Deckorators® postcover product, for fifteen (15) years from the date of purchase (the "Limited Warranty Period"). This Warranty is valid for Deckorators postcovers used in standard residential applications and may not be assigned or transferred by you.

15-YEAR LIMITED WARRANTY

During the Limited Warranty Period, Warrantor, at its sole option, will replace or refund a prorated portion of the purchase price for any Deckorators postcover that exhibits a defect in material or workmanship in the form of splitting, rusting, cracking or corrosion.

This 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 longer available, Warrantor reserves the right to provide a similar product of equivalent quality and value.

LIMITATIONS ON WARRANTY

The Warranty does not apply to 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.
- Has been used, modified or otherwise treated in any manner other than as intended by Warrantor.
- Has been exposed to a corrosive environment.
- Has faded due to normal weathering.

Failure to follow any restrictions or warnings supplied with the product shall make this Warranty null and void and of no further effect. Warrantor reserves the right to investigate any claim and to inspect the materials for which the claim is made. Any construction or use of product must be in accordance with 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.

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Black Aluminum Railing System with Tropical Hardwood Cap Rail. Gray Cobblestone Postcovers with Copper Caps. Black Classic Balusters with Designer Connectors.

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Blog.ufpi.com

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