



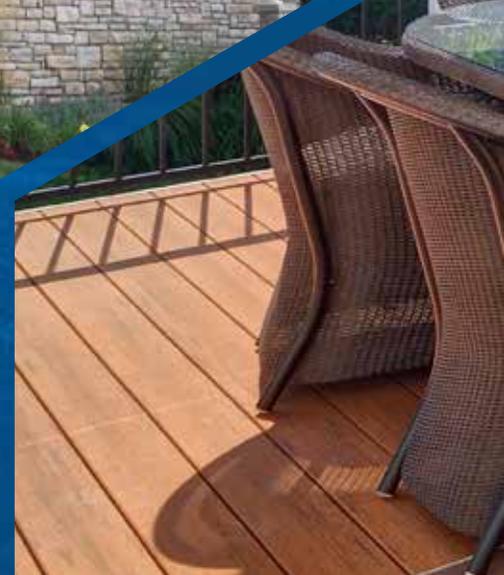
**RETHINK
THE RAIL.**

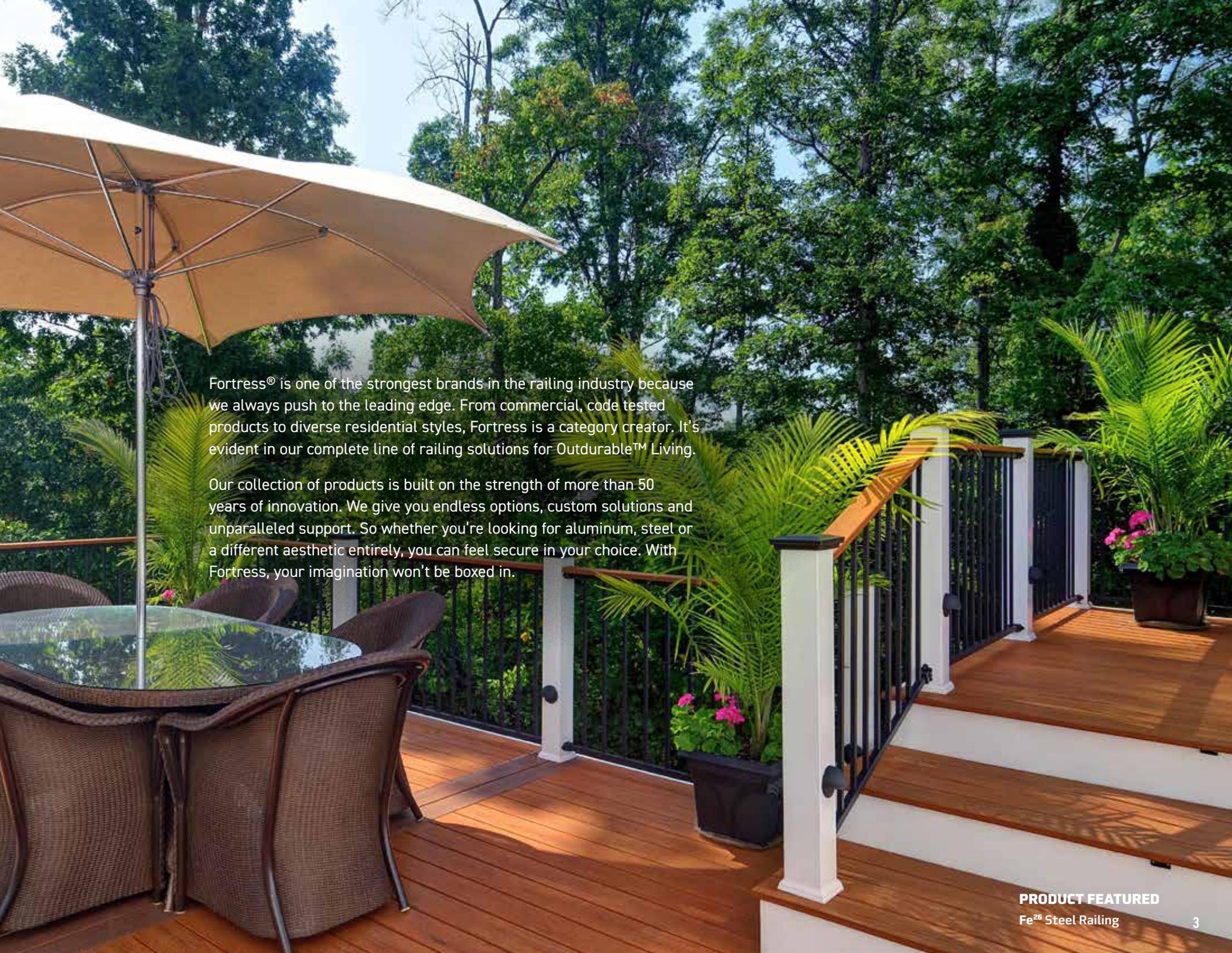
RAILING
PRODUCT CATALOG



 **FORTRESS**
BUILDING PRODUCTS

**NEVER A
BARRIER
TO YOUR
VISION.**



A photograph of a wooden deck with a railing, a table, and chairs, surrounded by lush greenery. The railing is made of white posts and black metal balusters. The deck is made of light-colored wood. There are several potted plants, including a large fern and a pink flower. A large patio umbrella is open on the left side of the deck. The background is filled with tall trees.

Fortress® is one of the strongest brands in the railing industry because we always push to the leading edge. From commercial, code tested products to diverse residential styles, Fortress is a category creator. It's evident in our complete line of railing solutions for Outdurable™ Living.

Our collection of products is built on the strength of more than 50 years of innovation. We give you endless options, custom solutions and unparalleled support. So whether you're looking for aluminum, steel or a different aesthetic entirely, you can feel secure in your choice. With Fortress, your imagination won't be boxed in.



1 QUALITY

We coat our products with durable, multi-layered anti-corrosion coating technology adapted from the high-end automotive industry. This translates into virtually maintenance-free and long-lasting railing products.

2 STRENGTH

Fortress® is focused on and committed to manufacturing the strongest railing systems on the market. We are proactive in having our products tested to meet or exceed codes for various applications.

3 INNOVATION

Fortress is an industry leader with innovations like our proprietary pre-welded panel systems, modular caps, and lighting system. We are committed to designing groundbreaking products to enhance the decking and railing industry. Why? Because they ultimately transform outdoor spaces.

4 VERSATILITY

We offer a full range of railing product lines each of which can be customized. With limitless combination possibilities, our railing is ideal for any project.

5 EASE OF INSTALLATION

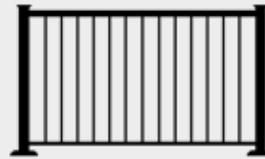
Our railings are easy to install with simple to use bracket systems and installation components. This approach drastically reduces installation time.



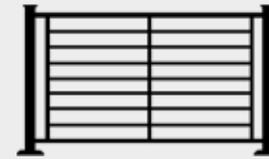
PAGE 6

STEEL RAILING

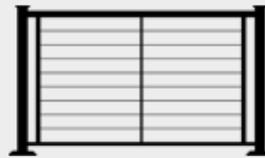
Fortress® Fe²⁶ steel railing is a pre-welded, easily customized and enhanced version of traditional wrought iron railing.



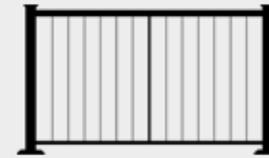
Fe²⁶ Traditional Infill



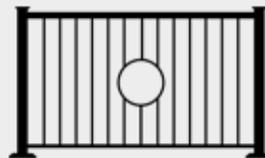
Fe²⁶ Axis Horizontal Infill



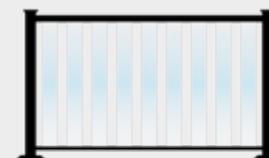
Fe²⁶ H-Series Cable Infill



Fe²⁶ V-Series Cable Infill



Fe²⁶ Ornamental Infill



Fe²⁶ Pure View®
Glass Baluster Infill

Fe²⁶ PLUS | Commercial Steel Railing

Commercial projects require onsite welding and fabrication. But with Fortress Fe²⁶ PLUS commercial steel railing, installation time is cut in half.

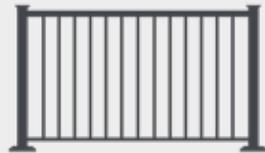




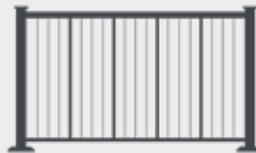
PAGE 20

ALUMINUM RAILING

An affordable, high quality, long-lasting railing system that is virtually maintenance-free.



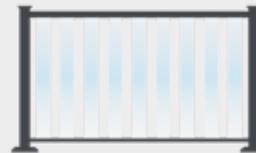
Al¹³ HOME™ Traditional Infill



Al¹³ HOME™ V-Series Cable Infill



Al¹³ HOME™ Pure View® Glass Infill Panel



Al¹³ HOME™ Pure View® Glass Baluster Infill

Al¹³ PLUS | Aluminum Railing

An innovative, first of its kind, fully pre-welded aluminum railing system for residential and commercial applications.



BALUSTERS Metal Baluster Infill

Three unique looks for wood or composite railing, each series offers its own style and identity to transform your individual project design into reality.



HANDRAIL SYSTEMS

An important part of making your ramp or stairs friendly for those who need assistance.

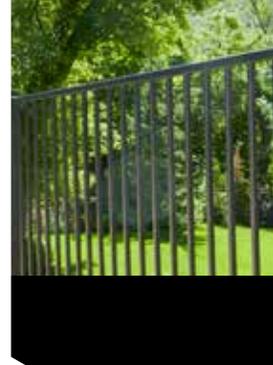


FORTRESSACCENTS™ Lighting & Accessories

Check out our brilliant collection of LED lighting accessories, post caps and post base covers.

Resources 48





STEEL RAILING





THE STRENGTH OF S.T.E.E.L. THE POWER OF FORTRESS.

SAFE - TOUGH - EFFICIENT - EASY - LASTING

Fortress® Fe²⁶ steel railing stands strong and stands out. You'll rest easy knowing your railing brings unparalleled durability and elegance to any patio, deck or balcony. Achieving your outdoor vision has never been easier thanks to the countless ways to customize. Sustainably built, this railing system will provide safety and style for years to come.



FEATURES & BENEFITS

EASY INSTALLATION | Save time and money with options for pre-welded panelized infills and pre-attached brackets on posts.

SAFE & CODE COMPLIANT | Durable steel is tested to ensure peace of mind for your family and friends. Backed by a 15-year limited warranty.

WEATHER RESISTANT | UV fade and moisture resistance locks in the beauty the first day and every day.

DESIGN CUSTOMIZATION | Find your perfect look with three top rail options, including a drink rail and numerous infill options. Add FortressAccents™ LED Lighting and safely enjoy your outdoor space anytime, day or night.



COLORS



Gloss Black



Black Sand



Antique Bronze

— Simple Assembly —

EASY AS 1, 2, 3, FORTRESS





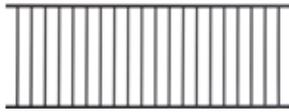
STEEL RAILING

1 INFILL PANELS

Infill panels can be used with several types of posts such as steel, wood, vinyl or composite

Level

Traditional



28" (711mm)
32" (813mm) CA only
34" (864mm)
38" (965mm) CA only
40" (1016mm)

6' | Actual 69.5" (1765mm)
8' | Actual 93.5" (2375mm)
10' | Actual 117.5" (2985mm)

Fe²⁴ 10' railing is only available in 34" panels and must be installed with Fortress® Universal Brackets (UB-04) and either: Fe²⁴ cap rail clips (5 minimum) and a deck board/drink rail; minimum 0.75" (19mm) thickness of board; maximum board width of 5.5" (140mm) or Fortress 10' Colonial Round Accent Top Rail (ATR)

Axis Horizontal

Black Sand Only

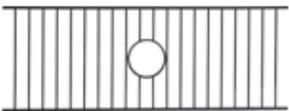


34" (864mm)
40" (1016mm)

6' | Actual 69.5" (1765mm)
8' | Actual 93.5" (2375mm)

Ornamental

Gloss Black Only



34" (864mm)
40" (1016mm)

8' | Actual 93.5" (2375mm)

V-Series Cable

Black Sand Only

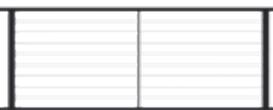


34" (864mm)
40" (1016mm)

6' | Actual 69.5" (1765mm)
8' | Actual 93.5" (2375mm)

H-Series Cable

Black Sand Only



34" (864mm)
40" (1016mm)

4' | Actual 45.5" (1156mm)
6' | Actual 69.5" (1765mm)
8' | Actual 93.5" (2375mm)

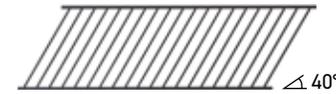
Pure View® Glass Balusters & Top & Bottom Rails



26" (660mm)
34" (864mm)
40" (1016mm)
69.5" (1765mm) Level

Stair

Adjustable Traditional \

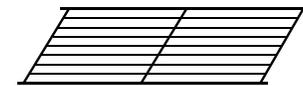


28" (711mm)
32" (813mm) CA only
34" (864mm)
38" (965mm) CA only
40" (1016mm)

6' | Actual 72" (1829mm)
8' | Actual 93.5" (2375mm)

Adjustable Axis Horizontal

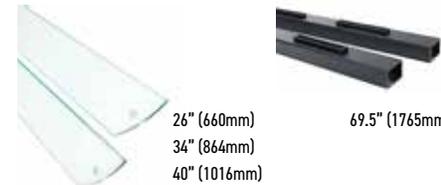
Black Sand Only



6' | Actual 71.99" (1829mm)
8' | Actual 95.99" (2438mm)

Axis stair panels must be mounted using SSB-04 brackets

Pure View® Adjustable Glass Balusters & Top & Bottom Rails



26" (660mm)
34" (864mm)
40" (1016mm)
69.5" (1765mm) Stair



MORE WAYS TO CUSTOMIZE.

INFILL OPTIONS

Empower your customers to never settle with Fe²⁶ steel railing. Completely customizable and affordable with an array of infill options to add personality to any outdoor living space.

Adjustable V-Series Cable

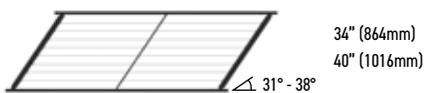
Black Sand Only



8' | Actual 93.5" (2362mm)

Adjustable H-Series Cable

Black Sand Only



8' | Actual 93.5" (2362mm)

H-Series stair panels must be mounted using SSB-05 brackets

I-Support



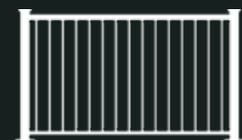
Traditional, Axis & Pure View

Attachment for Fascia Mount

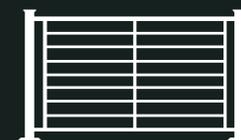
Cable Level

Cable Stair

Follow local building codes for support requirements.



Fe²⁶
Traditional Infill



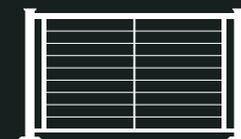
Fe²⁶ Axis
Horizontal Infill



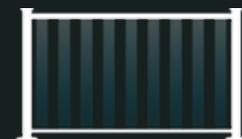
Fe²⁶
Ornamental Infill



Fe²⁶ V-Series*
Cable Infill



Fe²⁶ H-Series*
Cable Infill



Fe²⁶ Pure View®
Glass Baluster Infill

*Approved for residential and commercial applications





STEEL RAILING

2 POSTS & BRACKETS

Posts

39.5" (1003mm) Surface Mount

39.5" (1003mm) Post with Pre-Attached Brackets

49" (1245mm) Fascia Mount

Use 39.5" (1003mm) Post with 34" (864mm) Level Railing Infill Panel or with 28" (711mm) Level Railing Infill Panel when using Accent Top Panel (ATP). Use 49" (1245mm) Post for 34" (1003mm) Stair Railing Infill Panel.

45.5" (1156mm) Surface Mount

45.5" (1156mm) Post with Pre-Attached Brackets

55" (1397mm) Fascia Mount

Use 45.5" (1156mm) Post with 40" (1016mm) Level Railing Infill Panel or 34" (864mm) Level Railing Panel when using Accent Top Panel (ATP). 34" (864mm) Stair Railing Infill Panel can be use with 45.5 (1159mm) Surface Mount Post. Use 40" (1016mm) Level Railing Infill Panel with 45.5" (1156mm) Post with Pre-Attached Bracket (2"/51mm bottom rail) for 42" (1067mm) install.

55" (1397mm) Surface Mount Post

Use with 40" (1016mm) Stair Railing Infill Panel

49" (1245mm) Adjustable Stair Stringer Post can be used with any of FBP's Level or Adjustable Steel Infill Panels when used in conjunction with c-channel. No welding required.



Post Base Cover

(included in Post Box with 39.5" (1003mm), 45.5" (1156mm) and 55" (1397mm) Post with base plate)

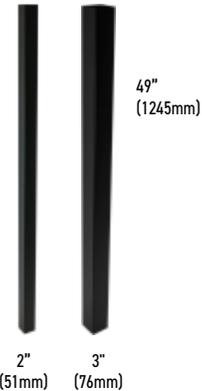
Surface Mount



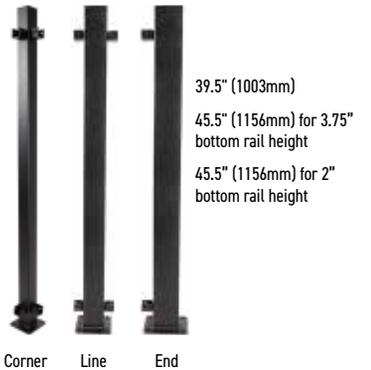
ADJ Stair Stringer



Fascia Mount



Pre-Attached Brackets



Pre-Attached Brackets available in 2" (52mm) & 3" (76mm) posts, UB-04 1" (25mm) brackets are pre-attached.

Brackets

For stair panel installation, use taller posts, Universal Brackets with angle adjusters, adjustable Collar Brackets or Simplified Stair Brackets.

Universal Bracket

Hidden Fasteners (Patented)



UB (Level)
04 (1"/25mm)
05 (1.25"/32mm)



UB-ANG
04 (1"/25mm)
05 (1.25"/32mm)



Add to Universal Bracket for Stair or Angle/Miter Application

Use UB05 when installing ATP with Fe²⁶.

Collar Bracket

Traditional Fasteners



CB (Level)
04 (1"/25mm)
05 (1.25"/32mm)



CBS-ADJ (Angle/Miter)
04 (1"/25mm)



CB-ADJ (Stair)
04 (1"/25mm)

Use CB05 when installing ATP with Fe²⁶.

Patio Bracket

(For on-grade use only - 30" (762mm) or less above ground)



Patio Bracket Standard
(Level)



Patio Bracket ADJ
Stair or Angle/Miter Applications

2 POSTS & BRACKETS

Fascia Mount Bracket



Straight Bracket
2" (51mm)
3" (76mm)



Inside Corner Bracket
2" (51mm)
3" (76mm)



Outside Corner Bracket
2" (51mm)
3" (76mm)

Simplified Stair Bracket

For stair applications only. One package of 4 brackets are needed to install one stair panel.



SSB
04 (1"/25mm)
05 (1.25"/32mm)
Required for Horizontal Stair Railing panel applications (Axis & H-Series)

3 PERSONALIZATION

Panel Accessories

Accent Top Panel | Actual 93.5" (2375mm) x 6" (152mm)

Adds 5" overall height to the top of the railing panel



8' Ring Top



8' Circle Top



8' 3 Rail

Ornaments

Available in Gloss Black and to be used for ornamental panels only



2D Star



3D Star



4CS



Mountains



Elk

**PRE-WELDED
PANELS WITH
PATENTED
BRACKET
SYSTEM**

**RESISTS
RUST &
CORROSION**

**PRE-
GALVANIZED**



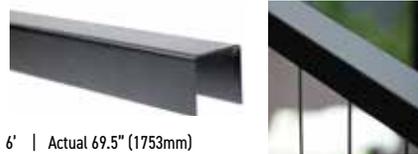
STEEL RAILING

3 PERSONALIZATION

Accent Top Rail | Actual 93.5" (2375mm)



8' | Colonial Round
10' | Colonial Round
10' ATR is 117.5" (2985mm)



6' | Actual 69.5" (1753mm)
8' | Actual 93.5" (2362mm)
Available for Cable only

Knuckles

Use to add a unique look to your railing balusters



Cap Rail Clip

Use to attach wood or composite board to top rail of panel



Available in 1" Cap Rail Clip and 1.25" Cap Rail Clip.

Post Accessories

Caps

Without Lighting Capability



Pressed Dome Cap
2" (51mm) | 3" (76mm)



Ball Cap
2" (51mm) | 3" (76mm)
(Gloss Black only)

Caps

With Lighting Capability

*For more lighting options, visit page 44 for more information



LED Cap Light Kit
Light 1, 2, 3 or all 4 sides.
Total of 4 lights.



LED Glow Light Kit
Available in 2" (51mm), 3" (76mm),
3.5" (89mm), 4" (102mm), 5" (127mm)
and 6" (152mm)

GATES

Hinges, Locks, and Latches sold separately

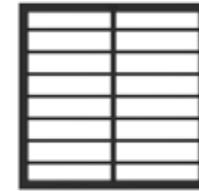
Traditional Gate



34" (864mm)
40" (1016mm)

34.5" (876mm)
Fits a standard 36" (914mm) opening

Axis Horizontal Gate



34" (864mm)
40" (1016mm)

34.5" (876mm)
Fits a standard 36" (914mm) opening

V-Series Cable Gate



34" (864mm)
40" (1016mm)

34.5" (876mm)
Fits a standard 36" (914mm) opening

H-Series Cable Gate

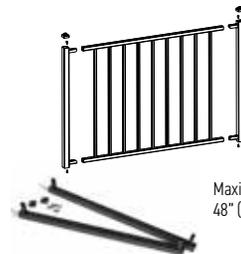


34" (864mm)
40" (1016mm)

34.5" (876mm)
Fits a standard 36" (914mm) opening

Gate Uprights

For use with Fe²⁶ Traditional Infill Panel



34" (864mm)
40" (1016mm)

Maximum Overall width
48" (1219mm)

Gate Kit #2



Hinge

Lock & Latch

Works with all Fe²⁶ Gates and Gate Uprights
Kit includes a Latch and 2 Hinges



LOOKING FOR MORE?

CHECK OUT OUR RESOURCES AND SCAN THE QR CODES BELOW.





COMMERCIAL STEEL RAILING





S.T.E.E.L.

RAILING THAT MEANS BUSINESS.

SAFE - TOUGH - EFFICIENT - EASY - LASTING

Fortress® is redefining the commercial steel railing category with pre-welded panels that are code tested and safety approved. Traditional commercial projects require onsite welding and fabrication. But with Fortress Fe²⁶ PLUS commercial steel railing, installation time is cut in half. Building professionals will love installing the product and recognize they can get more done in less time than the traditional method. Customization is also available for projects that have specifications outside the standard picket design.



FEATURES & BENEFITS

EASY INSTALLATION | Our pre-welded panel and bracket system cuts installation nearly in half, saving you time and money.

SAFE AND CODE COMPLIANT | Our structural steel is code tested and approved for commercial applications and provides an exceptionally durable and safe barrier to your outdoor space.



COLORS



Gloss Black



Black Sand

— Simple Assembly —

EASY AS 1, 2, 3, FORTRESS





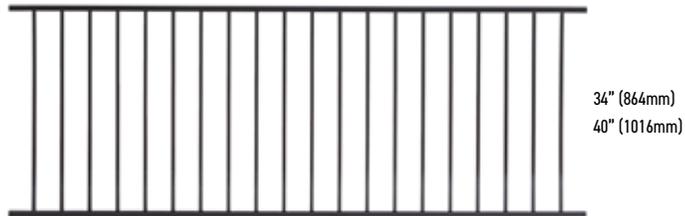
COMMERCIAL STEEL RAILING

1 INFILL PANELS

Panels can be used with several types of posts such as steel, wood, vinyl or composite

Level

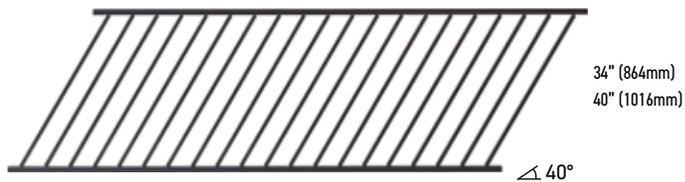
Traditional



6' | Actual 69.5" (1765mm)
8' | Actual 93.5" (2375mm)

Stair

Traditional Adjustable



6' | Actual 72" (1753mm)
8' | Actual 93.5" (2362mm)

I-Support

Used for extra support under a railing panel. Available in 2" and 3.75". Follow local building codes for support requirements.



Traditional



Attachment for Fascia Mount

2 POSTS & BRACKETS

Posts

All post base plates have a hole in the center enabling ease of wiring for lighting installations

39.5" (1003mm) Surface Mount
49" (1245mm) Fascia Mount
Goes with 34" (864mm) Level Railing panel

45.5" (1156mm) Surface Mount
55" (1397mm) Fascia Mount
Goes with 40" (1016mm) Level Railing panel or 34" (864mm) Level Railing panel when using Accent Top Panel. Also used with 34" (864mm) Stair Railing panel.

55" (1397mm) Surface Mount
Goes with 40" (1016mm) Stair Railing panel or 40" (1016mm) Level Railing panel when using Accent Top Panel.

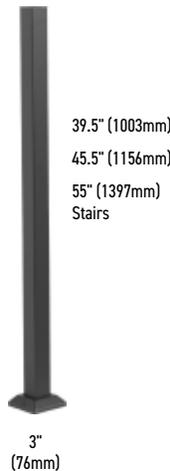
49" (1245mm) ADJ Stair Stringer Post can be used with any of FBP's level or adjustable steel infill panels when used in conjunction with c-channel. No welding required.



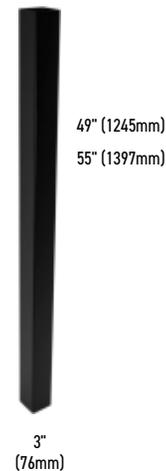
Post Base Cover

(included in Post Box with 39.5" (1003mm), 45.5" (1156mm) and 55" (1397mm) Posts with base plate)

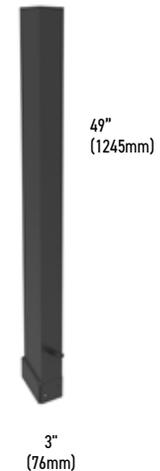
Surface Mount



Fascia Mount



Stair Stringer



For Fascia Mount applications only.

Brackets

For stair panel installation, use Universal Brackets with angle adjusters, adjustable Collar Brackets or Simplified Stair Brackets.

Universal Bracket

Hidden Fasteners (Patented)



UB (Level)
05 (1.25"/32mm)

06 (1.50"/38mm) When
using Accent Top Panel



UB-ANG
05 (1.25"/32mm)

Add to Universal Bracket for Stair or Angle/Miter Application

Simplified Stair Bracket

For stair applications only. One package of 4 brackets are needed to install one stair panel.



SSB
05 (1.25"/32mm)

Use for stair panels with 1.25" (32mm) rails

Collar Bracket

Traditional Fasteners



CB (Level)
05 (1.25"/32mm)



CBS-ADJ (Angle/Miter)
05 (1.25"/32mm)



CB-ADJ (Stair)
05 (1.25"/32mm)

Fascia Mount Bracket



3" Straight Bracket



3" Inside Corner Bracket



3" Outside Corner Bracket



**MAINTENANCE
FREE**

**EASY
INSTALLATION**

**PRE-WELDED
PANELS**



STEEL RAILING

3 PERSONALIZATION

Panel Accessories

Accent Top Panel | Actual 93.5" (2375mm) x 5" (127mm)



8' Ring Top



8' 3 Rail

Cap Rail Clip

Use 1.25" (32mm) Cap Rail Clip to attach wood or composite board to top rail of panel



Post Accessories

Caps

Without Lighting Capability



Pressed Dome Cap
3" (76mm)



Ball Cap
3" (76mm)
(Gloss Black only)

Caps

With Lighting Capability

*For more lighting options, visit page 44 for more information



LED Cap Light Kit
Light 1, 2, 3 or all 4 sides.
Total of 4 lights.



LED Glow Light Kit
Available in 2" (51mm), 3" (76mm),
3.5" (89mm), 4" (102mm), 5" (127mm)
and 6" (152mm)

GATES

Hinges, Locks, and Latches sold separately

Traditional Gates



34.5" (876mm)

34"
(864mm)
40"
(1016mm)

Gate Kit #2



Hinge

Lock & Latch

Works with Fe²⁶ PLUS Gates. Kit includes a Latch and 2 Hinges.



RESTAURA

BJ's

BREWHOUSE

TAKE OUT

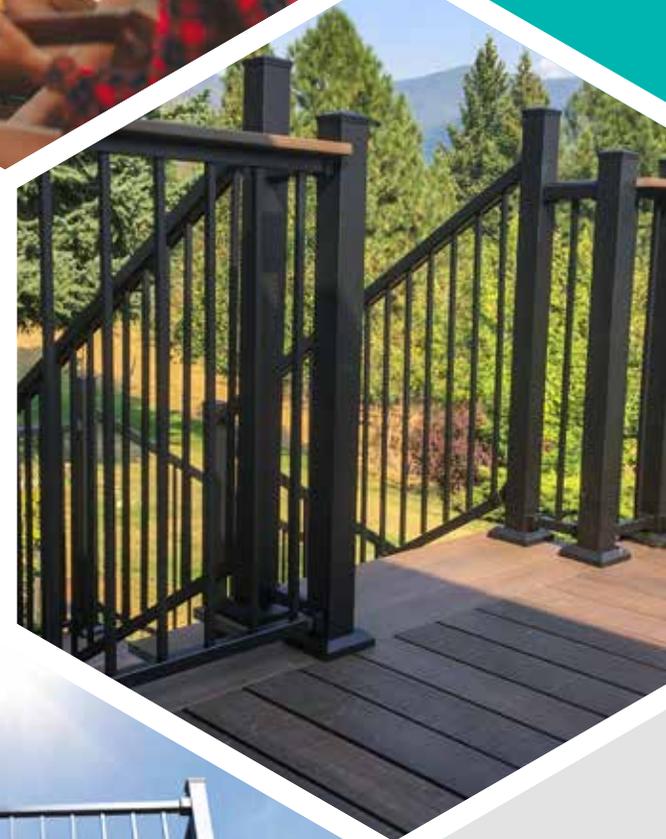




ALUMINUM RAILING



**AL¹³
HOME™**





HOME IN ON THIS SIMPLE SOLUTION.

Al¹³ HOME™ aluminum railing is an affordable, high quality, long-lasting railing system that is virtually maintenance-free. It's panelized and can be installed with pre-attached brackets to make installation a breeze. Al¹³ HOME offers the contractor multiple customization options. Give residential customers the look they want without compromising the quality they expect from Fortress®.

Al¹³ HOME can be customized with vertical cable or Pure View® glass infills. Create a one-of-a-kind look and fulfill your vision.



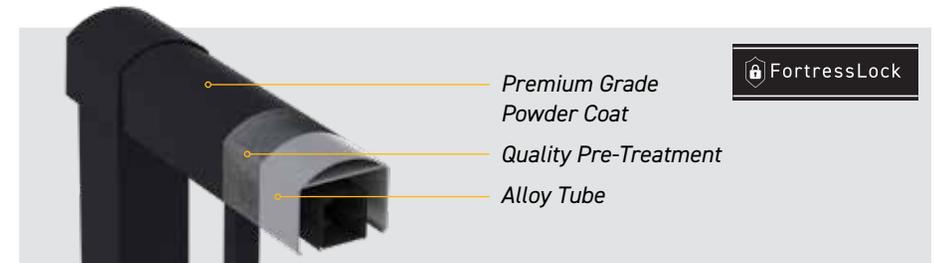
FEATURES & BENEFITS

AFFORDABLE CUSTOMIZATION | With a variety of top rail and infill panel options to choose from, you can create your desired look without breaking the bank.

LOW MAINTENANCE | FortressLock powder-coated finish resists corrosion and is UV protected to preserve the look and integrity of your railing for years to come.

EASY INSTALLATION | Spend more time enjoying your outdoor space and less time building it.

OPTIONAL ILLUMINATION | Elevate the level of safety and ambiance in your outdoor space with the addition of FortressAccents™ LED lighting.



COLORS



Black Sand (Textured)



Matte White

— Simple Assembly —

EASY AS 1, 2, 3, FORTRESS





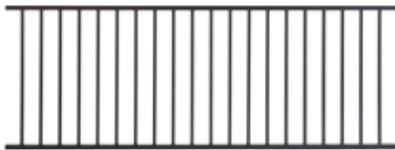
ALUMINUM RAILING

1 INFILL PANELS

Infill Panels can be used with several types of posts such as Metal, Wood, Vinyl or Composite.
Infill Panels must be installed with an Accent Top Rail (ATR) or a drink rail attached with Fortress cap rail clips.

Level

Traditional



32.5" (826mm)
40" (1016mm)

6' | Actual 69.5" (1765mm)
8' | Actual 93.5" (2375mm)
Includes I-Support

Pure View® Glass Panels



31.5" (800mm)
39" (991mm)

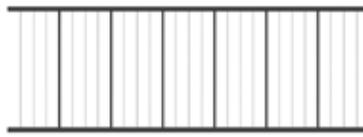
12.25" (311mm) 36.25" (921mm) 56.25" (1429mm)
18.25" (464mm) 41.25" (1048mm) 61.25" (1556mm)
24.25" (616mm) 46.25" (1175mm)
31.25" (794mm) 51.25" (1302mm)

Full Glass Panel Top & Bottom Rails



6' | Actual 69.5" (1765mm)
Includes I-Support

V-Series Cable



32.5" (826mm)
40" (1016mm)

6' | Actual 69.5" (1765mm)
8' | Actual 93.5" (2375mm)
Includes I-Support

Pure View® Glass Balusters



31.85" (809mm)
39.35" (999mm)

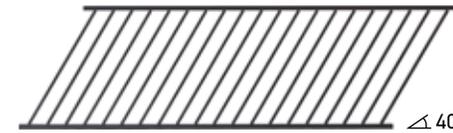
Glass Baluster Top & Bottom Rails



6' | Actual 69" (1753mm) Level
6' | Actual 73" (1854mm) Stair
Includes I-Support

Stair

Traditional Adjustable



32.5" (826mm)
40" (1016mm)

6' | Actual 72" (1829mm)
8' | Actual 93.5" (2375mm)
Includes I-Support

Adjustable Vertical Cable



32.5" (826mm)
40" (1016mm)

6' | Actual 65.5" (1664mm)
8' | 93.5" (2375mm)
Includes I-Support

Pure View® Adjustable Glass Balusters



31.5" (800mm)
34" (864mm)
40" (1016mm)

I-Support



Traditional, V-Series
Cable & Pure View
Level

Traditional, V-Series
Cable & Pure View
Stairs

2 POSTS & BRACKETS

Posts

All post base plates have a hole in the center to enable ease of wiring for lighting installations.

Use 2" (51mm) blank posts for Proud Post (with drink rail) and stair applications

Use 2" (51mm) pre-attached bracket posts for Over-The-Post applications (OTP)

Use 3" (76mm) blank and pre-attached bracket posts for Proud Post applications



Post Base Cover
(Included in Post Box)

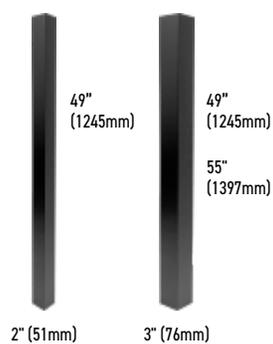
Surface Mount Post



Pre-Attached Brackets

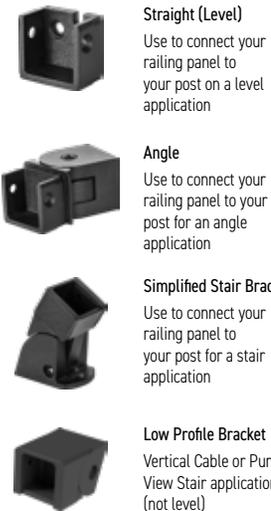


Fascia Mount Post



Brackets

Hidden Fasteners



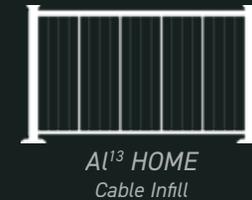
Fascia Mount Brackets



MORE WAYS TO CUSTOMIZE.

INFILL OPTIONS

Empower your customers to dream big with AI¹³ HOME™ residential aluminum railing. Completely customizable and affordable with an array of infill options to add personality to any outdoor living space.





ALUMINUM RAILING

3 PERSONALIZATION

Panel Accessories

Accent Top Rail

An Accent Top Rail (ATR) or drink rail is needed for all AI13 HOME™ panel installations

Round | Level

- 6' | Actual 69.89" (1775mm)
- 8' | Actual 93.89" (2385mm)
- 16' | Actual 189.78 (4820mm)

Round | Stair

- 6' | Actual 79.375" (2016mm)
- 8' | Actual 100.875" (2562mm)



Flat | Level

- 6' | Actual 69.89" (1775mm)
- 8' | Actual 93.89" (2385mm)
- 16' | Actual 189.78 (4820mm)

Flat | Stair

- 6' | Actual 79.375" (2016mm)
- 8' | Actual 100.875" (2562mm)



Cap Rail Clip

Use to attach wood or composite board to top rail of panel



Post Accessories

Caps

Without Lighting Capability



Flat Pyramid Cap
2" (51mm) | 3" (76mm)

Caps

With Lighting Capability

*For more lighting capabilities visit page 44 for more information



LED Cap Light Kit
Light 1, 2, 3 or all 4 sides.
Total of 4 lights.



LED Glow Light Kit Available in
2" (51mm), 3" (76mm), 3.5" (89mm),
4" (102mm), 5" (127mm) and 6" (152mm)

Accent Top Rail Splices

For Over-The-Post applications

Flat



Stair

Line

Corner

End

Round



Stair

Line

Corner

End

135 Deg Miter Applications

Flat



Right Angle

Left Angle

Angle

Round



Right Angle

Left Angle

Angle

GATES

Gate Upright Kit

Panels are sold separately



Gate Kit #2

Works with Gate Uprights.

Kit includes a Latch and 2 Hinges.



Hinge



Lock & Latch



**NEW INFILL
OPTIONS**

**LIFETIME
WARRANTY**

**CUSTOMIZABLE
YET AFFORDABLE**



ALUMINUM RAILING





SIMPLE TO INSTALL. EASY TO ENJOY.

Fortress® Al¹³ PLUS aluminum railing is a groundbreaking system with fully pre-welded infill panels that provide consistent quality, performance and safety. Choose from traditional infills, full glass or glass balusters. Al¹³ PLUS is attractive and easy to install thanks to its simple, pre-attached brackets on posts. Quality welding and premium powder coating create a virtually maintenance-free system designed for use in a variety of environments.



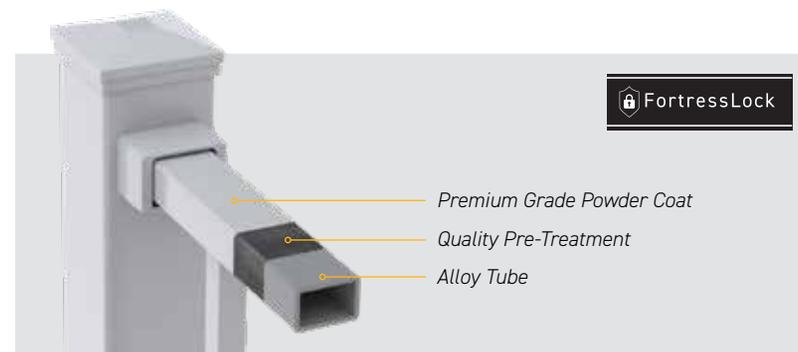
FEATURES & BENEFITS

EASY INSTALLATION | Save time on installation with a first-of-its-kind, pre-welded railing system.

DESIGN OPTIONS | Customize your look from a variety of top accent or drink rail options, versatile infill panels and colors that complement your project.

LOW MAINTENANCE | FortressLock powder-coated finish resists corrosion and is UV-protected, preserving the look of your railing for years to come.

SAFE AND CODE COMPLIANT | Pre-welded aluminum combines strength and durability in a lightweight material for commercial and residential applications.



COLORS



Gloss Black



Black Sand (Textured)



White

— Simple Assembly —

EASY AS 1, 2, 3, FORTRESS





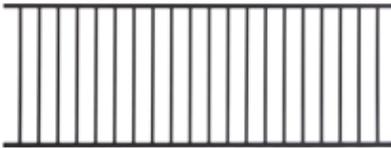
ALUMINUM RAILING

1 PANELS

Panels can be used with several types of posts such as Metal, Wood, Vinyl or Composite.

Level

Traditional



32" (813mm) California Only
34" (864mm)
38" (965mm) California Only
40" (1016mm)

6' | Actual 69" (1753mm)
8' | Actual 93" (2362mm)

Pure View® Full Glass Panels



33" (800mm)
39" (991mm)

12.25" (311mm) 36.25" (921mm) 56.25" (1429mm)
18.25" (464mm) 41.25" (1048mm) 61.25" (1556mm)
24.25" (616mm) 46.25" (1175mm)
31.25" (794mm) 51.25" (1302mm)

Full Glass Panel Top & Bottom Rails



6' | Actual 68.5" (1740mm)

Pure View® Glass Balusters



34" (864mm)
40" 1016mm)

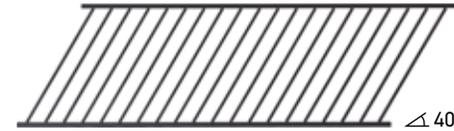
Glass Baluster Top & Bottom Rails



6' | Actual 69" (1753mm) Level
6' | Actual 73" (1854mm) Stair

Stair

Traditional Adjustable



32" (813mm) California Only
34" (864mm)
38" (965mm) California Only
40" (1016mm)

6' | Actual 69" (1753mm)
8' | Actual 93" (2362mm)

Pure View® Adjustable Glass Balusters



34" (864mm)
40" 1016mm)

Glass Baluster Top & Bottom Rails



6' | Actual 69" (1753mm) Level
6' | Actual 73" (1854mm) Stair

2 POSTS & BRACKETS

Posts

All post base plates have a hole in the center to enable ease of wiring for lighting installations.

	Standard Post	Commercial Post	Fascia Mount Post	
39.5" (1003mm) Goes with 32" (813mm) and 34" (864mm) Level Infill Panel	39.5" (1003mm)	39.5" (1003mm)	49" (1245mm)	 <p>Post Base Cover (Included in Post Box with 39.5" (1003mm), 45.5" (1156mm) and 55" (1397mm) Surface Mount Posts)</p>
45.5" (1156mm) Goes with 38" (965mm) and 40" (1016mm) Level Infill Panel or 32" (813mm) and 34" (864mm) Level Infill Panel when using Accent Top Panels	45.5" (1156mm)	45.5" (1156mm)	55" (1397mm)	
55" (1397mm) Goes with stair panel when a taller post is needed due to the angle of the stairs	55" (1397mm)	55" (1397mm)		
	3" (76mm)	3" (76mm)	3" (76mm)	

Use for commercial applications

Evolve Brackets

Hidden Fasteners



External (Level) Patented



External Large (Level) Only use when installing an Accent Top Panel



Stair



Angle Used for Miter applications

Low Profile Brackets



Internal (Level)



P2 Level (Level and Angle/Miter) Must use when installing Accent Top Rail



P2 Stair Must use when installing Accent Top Rail

Fascia Mount Brackets



3" (76mm) Outside Corner Hex bolt covers included



3" (76mm) Inside Corner Hex bolt covers included



3" (76mm) Straight Hex bolt covers included

SIMPLE BRACKET SYSTEM REDUCES INSTALL TIME

LIFETIME WARRANTY

CONSISTENT QUALITY WITH PRE-WELDED PANELS



ALUMINUM RAILING

3 PERSONALIZATION

Panel Accessories

Accent Top Panel | Actual 93" (2362mm) x 5" (127mm)



8' Ring Top



8' Circle Top



8' 3 Rail

Accent Top Rail | Actual 93" (2362mm)



8' Colonial Flat Accent Top Rail



Cap Rail Clip

Use to attach wood or composite board to top rail of panel

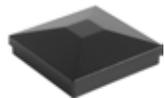


Post Accessories

Caps

Without Lighting Capability

*For caps with lighting capabilities visit page 44 for more information



3" (76mm) Flat Pyramid Cap



3" (76mm) Ball Cap

Caps

With Lighting Capability

*For more lighting capabilities visit page 44 for more information



LED Cap Light Kit
Light 1, 2, 3 or all 4 sides.
Total of 4 lights.



LED Glow Light Kit Available in
2" (51mm), 3" (76mm), 3.5" (89mm), 4" (102mm), 5" (127mm) and 6" (152mm)

GATES

Hinges, locks and latches are available

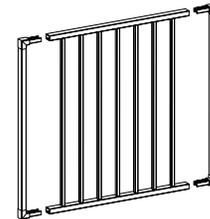
Traditional Gate



34.5" (876mm)

32" (813mm) California Only
34" (864mm)
38" (965mm) California Only
40" (1016mm)

Gate Uprights



32" (813mm) California Only
34" (864mm)
38" (965mm) California Only
40" (1016mm)

Maximum Overall width 48" (1219mm)
Railing panel required



Gate Kit #2

Works with Traditional Gate and Gate Uprights.

Kit includes a Latch and 2 Hinges.



Hinge



Lock & Latch



**METAL & GLASS
BALUSTER
INFILL FOR
WOOD OR
COMPOSITE
RAILS**

B



ORIGINALITY IS TRUE TO FORM.

Fortress® Baluster Railing is offered in four distinct series: Vienna, Vintage, Mega and Glass. Designed for wood or composite railing, each series offers its own style and identity to transform your individual project design into reality. Metal balusters are pre-Galvanized and premium powder coated. They provide the ultimate combination of strength and beauty for low-maintenance living.



Galvanized Steel Balusters



Glass Balusters

FEATURES & BENEFITS

BEAUTIFUL | Mix-and-match from numerous shapes, sizes and colors that include design options such as glass, square, round, belly and bow.

DURABLE | Ensured to withstand all elements and weather variables, beauty doesn't mean sacrificing strength or safety.

LOW MAINTENANCE | Whether it's our powder-coated finish that resists corrosion or the extensive warranty coverage, your custom look will be protected for years to come.

EASE OF INSTALLATION | Installation is simplified with several mounting options that mix beautifully with wood, composite and vinyl railing.



COLORS



— Simple Assembly —

EASY AS 1, 2, 3, FORTRESS





BALUSTER INFILL

1 BALUSTER

Steel: Face Mounted

(No Mounts needed, screws included)

Vintage: Square



Vienna: Belly



Vienna: Bow



Steel: Surface Mounted

Vintage: Round

(Use Vintage Round EZ Mounts or Shoes for installation)



Glass: Surface Mounted

Glass Baluster with: Shoe Mount



Glass Baluster with: Mounting Clip



Glass Baluster with: Sandwich Mount

(Stainless Steel Screw w/Washer)



Mega: Square

(Use Mega Square EZ Mounts or Shoes for installation)



Shoe Mount



Mounting Clip



Sandwich Mount



MIX & MATCH

**PRE-
GALVANIZED**

**EASY
INSTALLATION**

B

BALUSTER RAILING

2 MOUNTS Surface Mount Applications

Steel

Vintage: Round EZ Mounts
(Used to install Vintage Round Balusters)



Vintage: Round Nylon Shoe Mounts



Glass

Shoe



Available in Level and Stair
Options for Glass Balusters

Mounting Clip



Can be used with Level or Stair
Glass Balusters

Mega: Square EZ Mounts
(Used to install Mega Square Balusters)



Mega: Square Nylon Shoe Mounts



Rail to Post Connections

(Use with nominal 2x4 wood or composite rails)



2" (51mm) x 4" (102mm) Nylon Rail Bracket
Use for Level or Stair Rail Connections



45 degree/Angle (Miter) 2" (51mm) x 4" (102mm)
Nylon Rail Bracket

Please Note: Mounts are chosen based on choices of balusters.



HANDRAIL SYSTEM

Hr





PUT YOUR PROJECT IN SAFE HANDS

A handrail system is an important part of making your ramp or stairs friendly for those who need assistance. Fortress® offers two handrail systems: round and square. Both systems integrate with our Fortress railing product lines or can be used with any other railing system to create a safe, durable and beautiful stair installation. Enjoy peace of mind knowing the system is safe, long-lasting and virtually maintenance-free.



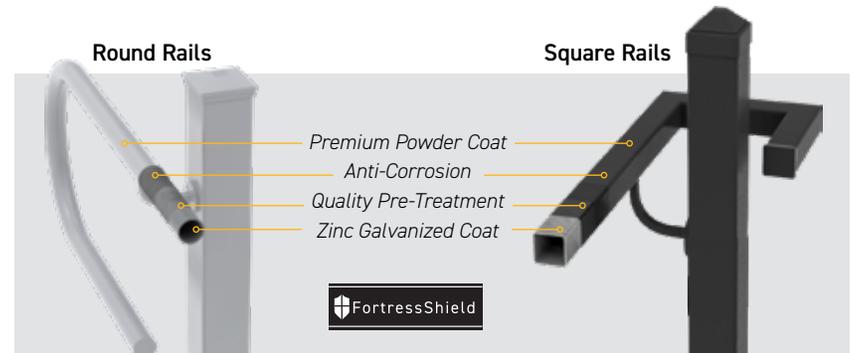
FEATURES & BENEFITS

EASY INSTALLATION | Engineered for quick and easy installation with brackets and adapters that allow connections at virtually any angle.

DESIGN OPTIONS | Our smooth and continuous top rail is available in both a square and round design with multiple color options that work with wood, composite, vinyl, aluminum or steel railing systems.

LOW MAINTENANCE | Our powder-coated finish resists corrosion, cracking and peeling — plus, it offers superior color retention, preserving a like-new look for years to come.

SAFE | Increase the safety of new or existing railing with the superior durability and versatility of Fortress handrails, including our Americans with Disabilities (ADA) compliant round handrail system.



COLORS

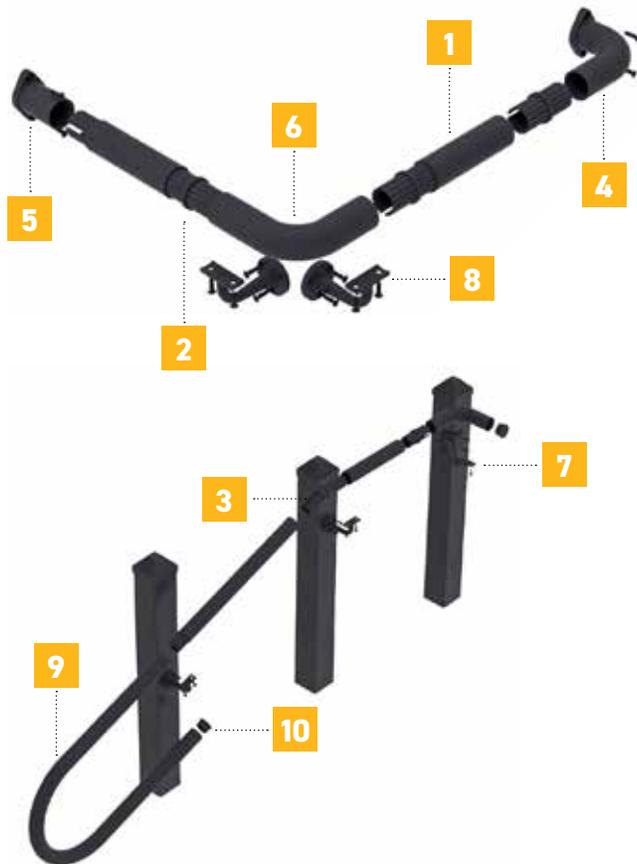




HANDRAIL SYSTEM

ADA HANDRAIL SYSTEM: ROUND

Assembly Drawings



1 8' Round ADA Handrail



97" x 1.5" (2464mm x 38mm)

2 ADA Handrail Splice



3" (76mm)

3 Angle Adjuster



5.4" (137mm)

4 ADA Termination Bracket



4" x 3" (101mm x 76mm)

5 Straight Termination Bracket



2.49" (63mm)

6 ADA Return 90 Degree



4" x 4.5" (101mm x 114mm)

7 ADA Inside Corner Bracket



5.09" (112mm)

8 ADA Bracket



2.4" x 3" (61mm x 76mm)

9 ADA Handrail End Loop 180 Degree

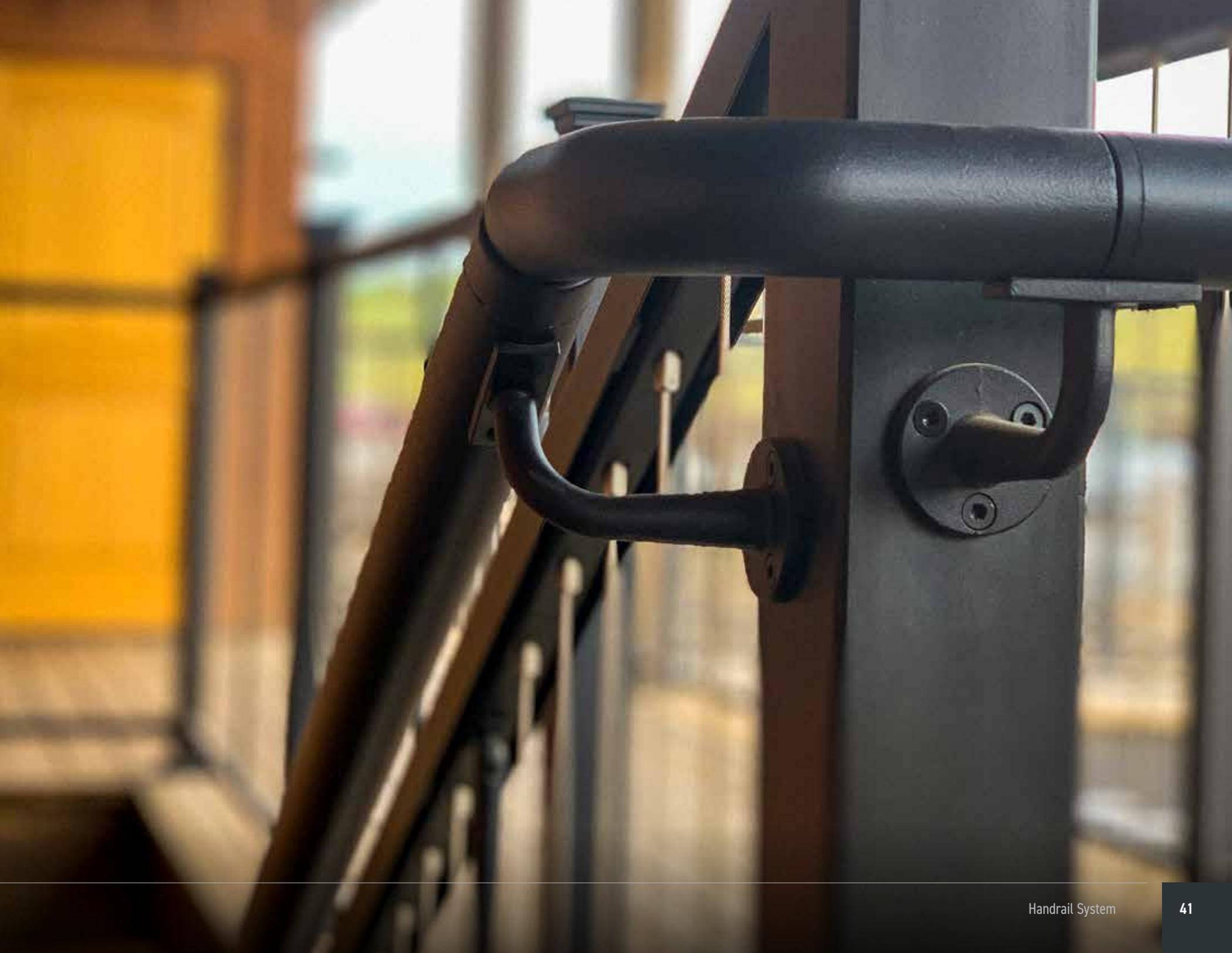


12" x 20.75" (305mm x 527mm)

10 Cap Plug



.72" (18mm)





HANDRAIL SYSTEM

HANDRAIL SYSTEM: SQUARE

Assembly Drawings



1 Square Handrail
93.5" x 1.25" (2375mm x 32mm)



2 Rake Rail Plug
Splice, or use to connect two sections of handrail together
10" (254mm)



3 Bracket #302
2.68" (68mm)



4 Hr-Return
HR-Ext 4.5" x 7" (125mm x 178mm)



5 Nylon Cap
1.25" (32mm) x .75" (19mm)





**FLEXIBLE
DESIGN**

**ADA
COMPLIANT**
(ROUND HANDRAIL)

**EASY
INSTALLATION**

LIGHTING & ACCESSORIES

Fa





SEE YOUR WORLD IN A DIFFERENT LIGHT.

Bring your outdoor space out of the Dark Ages. Check out our brilliant collection of LED lighting accessories, post caps and post base covers. Our innovative design uses the same post cap for both lit and non-lit caps. Easily transform any style with the addition of a simple waterproof LED light kit. Our coating delivers optimal performance and durability.



FEATURES & BENEFITS

BEAUTIFUL & DURABLE | Our die-cast aluminum lighting accessories, post caps and post base covers provide the durability and high-quality performance that you've come to expect from Fortress.

VERSATILE | Use with a variety of decking and railing materials including wood, composite, vinyl, aluminum and steel.

LOW MAINTENANCE | Our powder-coated finish resists corrosion, cracking and peeling — plus, it offers superior color retention, preserving a like-new look for years to come.

INSTALLATION SIMPLIFIED | Plug and Play technology makes installation intuitive, simple and accurate every time.

COLORS



Gloss Black



Black Sand



Antique Bronze



White



Matte White

— Simple Assembly —

EASY AS 1, 2, 3, FORTRESS



1 POST CAPS & POST CAP LIGHTING

Post Caps



Gloss Black
2" (51mm) 4" (102mm)
3" (76mm) 5" (127mm)
3.5" (89mm) 6" (152mm)



Black Sand
2" (51mm) 4" (102mm)
3" (76mm) 5" (127mm)
3.5" (89mm) 6" (152mm)



Antique Bronze
2" (51mm) 4" (102mm)
3" (76mm) 5" (127mm)
3.5" (89mm) 6" (152mm)



White
2" (51mm) 4" (102mm)
3" (76mm) 5" (127mm)
3.5" (89mm) 6" (152mm)



Matte White
2" (51mm)
3" (76mm)

LED Cap Light Kit

Transform Flat Pyramid Caps by simply dropping in the LED Cap Light Kit during new or existing FortressAccents™ Flat Pyramid Cap installation.

- Light 1, 2, 3 or all 4 sides. Total 4 lights.
- 0.5 Watt each light. Total 2 Watts
- Module (single light) 0.5 Watt



LED Glow Ring Kit

Transform Flat Pyramid Caps by dropping in an LED Glow Ring during new or existing FortressAccents Flat Pyramid Cap installation.

- Available in 2" (51mm), 3" (76mm), 3.5" (89mm), 4" (102mm), 5" (127mm) and 6" (152mm) to fit respective sizes of FortressAccents Caps
- 1.5 Watt



2 LED LIGHTING

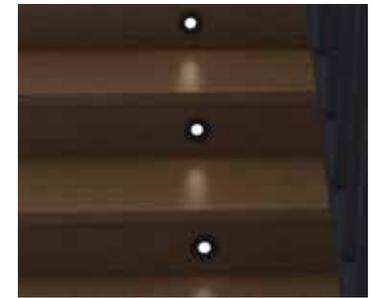
LED Vertical Post Lights

Dress up your posts with LED Vertical Post Lights. They are perfect for corner posts near stairs to illuminate walkways. (0.25 Watts)



LED Surface Mount Light & Forstner Bit

Light your deck surface, path or stair treads with LED Surface Mount Lights. Use Forstner Bit for easy installation. (0.25 Watts)



3 INSTALLATION COMPONENTS

Transformer (60w)

60w transformer that can power almost any deck project



Suitable for wet locations.

Bulk Wire 18-2 AWG (100ft. roll)

Recommended for installation of FortressAccents™ LED lighting



Plug & Play Components

Installation is simplified with Plug and Play technology that makes installation intuitive, simple and accurate every time. These components take the guess work out of connecting FortressAccents™ Plug & Play lights and 60w transformer.



Plug & Play LED Light Wire-Male Ends

5' (1,542mm)
10' (3,048mm)
15' (4,572mm)
20' (6,096mm)



Plug & Play T-Splice



Plug & Play 6-Way Splitter



Plug & Play Female-Female Connector



Non-Plug & Play to Plug and Adapter



**HIGHLY
VERSATILE
& COMPATIBLE**

**VIRTUALLY
MAINTENANCE
FREE**

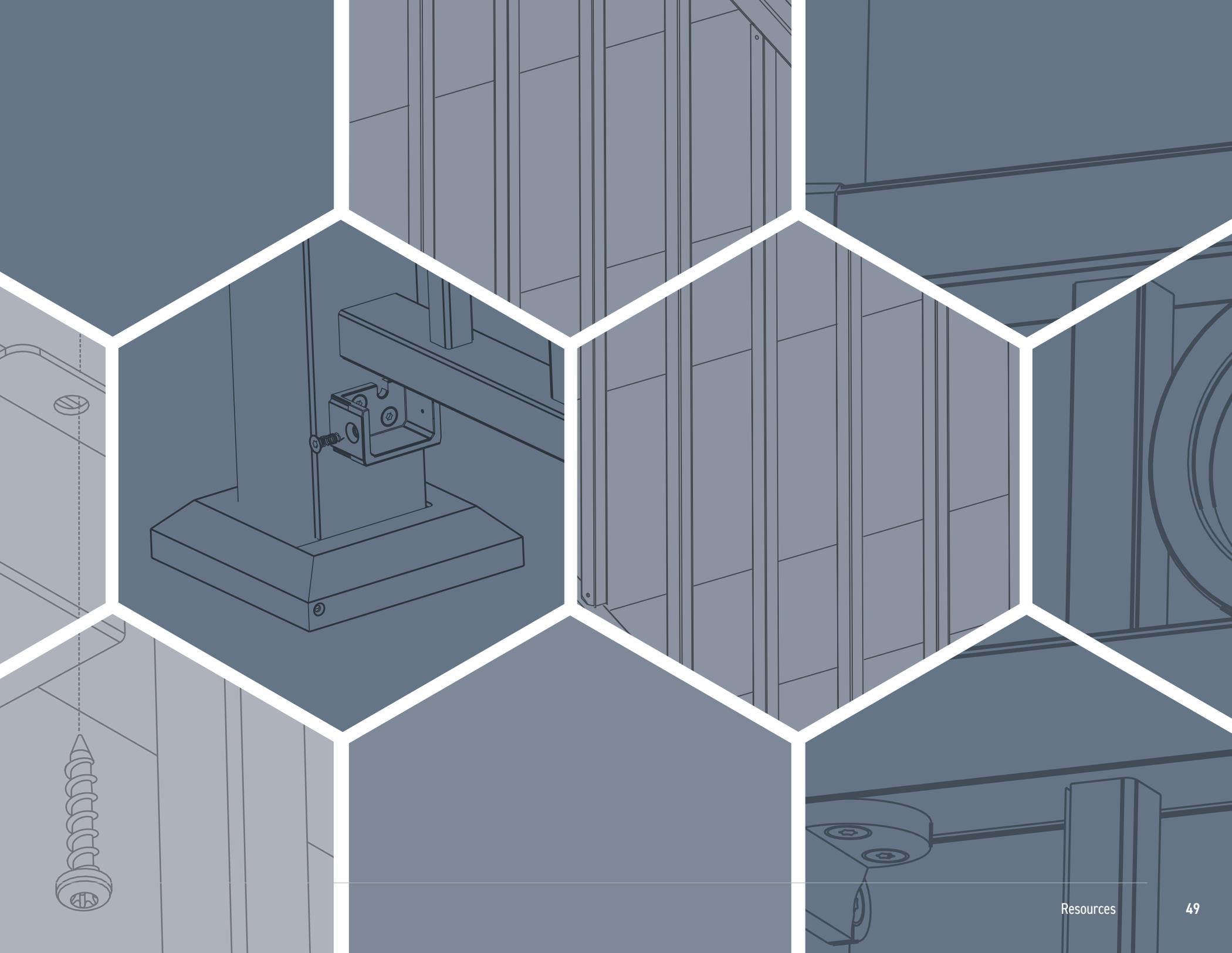
**80% LESS
ENERGY
THAN
INCANDESCENT
LIGHTING**

RESOURCES

CODE COMPLIANCE 50



R



Fe²⁶ Steel Railing

TYPE	IRC*	IBC**	CANADA
Fe ²⁶ Traditional Panels (up to 8' (2438mm) panels) with Fe ²⁶ Universal Brackets (04) and Fe ²⁶ Posts	•		•
Fe ²⁶ Traditional Panels (up to 8' (2438mm) panels) with Fe ²⁶ Universal Brackets (04) and 4x4 Wood Posts	•		•
Fe ²⁶ Traditional Panels (up to 8' (2438mm) panels) with Fe ²⁶ Collar Brackets (04) and Fe ²⁶ Posts	•		•
Fe ²⁶ Traditional Panels (up to 8' (2438mm) panels) with Fe ²⁶ Collar Brackets (04) and 4x4 Wood Posts	•		•

* One- & Two-Family Dwellings ** All Use Groups

Fe²⁶ PLUS Steel Railing

TYPE	IRC*	IBC**	CANADA
Fe ²⁶ Traditional Panels with Fe ²⁶ Collar Brackets and Fe ²⁶ Posts 3" (76mm)	•	•	•
Fe ²⁶ Traditional Panels with Fe ²⁶ Collar Brackets and 4x4 Wood Posts	•	•	

* One- & Two-Family Dwellings ** All Use Groups

Fe²⁶ H-Series Cable Railing

TYPE	IRC*	IBC**	CANADA
Horizontal Cable Railing Panels with Fe ²⁶ Universal Bracket (05) and Fe ²⁶ Post 2" (51mm)	•	•	
Horizontal Cable Railing Panels with Fe ²⁶ Universal Bracket (05) and Fe ²⁶ Post 3" (76mm)	•	•	
Horizontal Cable Railing Panels with Fe ²⁶ Universal Bracket (05) and 4x4 Wood Post	•	•	

* One- & Two-Family Dwellings ** All Use Groups

Fe²⁶ V-Series Cable Railing

TYPE	IRC*	IBC**	CANADA
Vertical Cable Railing Panels with Fe ²⁶ Universal Bracket (05) and Fe ²⁶ Post 2" (51mm)	•	•	•
Vertical Cable Railing Panels with Fe ²⁶ Universal Bracket (05) and Fe ²⁶ Post 3" (76mm)	•	•	•
Vertical Cable Railing Panels with Fe ²⁶ Universal Bracket (05) and 4x4 Wood Post	•	•	•

* One- & Two-Family Dwellings ** All Use Groups

AI¹³ HOME™ Aluminum Railing

TYPE	IRC*	CANADA
AI ¹³ HOME™ Railing With Straight Bracket and AI ¹³ HOME Posts (ATR or drink rail required)	•	•
AI ¹³ HOME Vertical Cable Railing with Straight Bracket and AI ¹³ HOME Posts (ATR or drink rail required)	•	•

* One- & Two-Family Dwellings

AI¹³ PLUS Aluminum Railing

TYPE	IRC*	IBC**	CANADA
AI ¹³ PLUS Traditional Railing With Evolve External Bracket and AI ¹³ PLUS Posts	•	•	•
AI ¹³ PLUS Traditional Railing With Evolve External Bracket and 4x4 Wood Posts	•	•	•
AI ¹³ PLUS Traditional Railing With Evolve P2 Bracket and AI ¹³ PLUS Posts	•	•	•
AI ¹³ PLUS Traditional Railing With Evolve P2 Bracket and 4x4 Wood Posts	•	•	•

* One- & Two-Family Dwellings

** All Use Groups

Pure View® Glass Railing

TYPE	IRC*	CANADA
Pure View® Glass Baluster Steel Railing Pre-Slotted Rails with Fe ²⁶ Collar Brackets and Fe ²⁶ Posts	•	
Pure View Glass Baluster Steel Railing Pre-Slotted Rails with Fe ²⁶ Collar Brackets and 4x4 Wood Posts	•	
Pure View Glass Baluster Aluminum Railing Pre-Slotted Rails with Evolve External Brackets and AI ¹³ PLUS Posts	•	•
Pure View Glass Baluster Aluminum Railing Pre-Slotted Rails with Evolve External Brackets and 4x4 Wood Posts	•	•
Pure View Glass Baluster Steel Railing Pre-Slotted Rails with P2 Brackets and AI ¹³ PLUS Posts	•	
Pure View Full Glass Panel Railing with Evolve External Bracket and AI ¹³ PLUS Posts	•	•
Pure View Full Glass Panel Railing with Evolve External Bracket and 4x4 Wood Posts	•	•
Pure View Full Glass Panel Railing with AI ¹³ HOME™ Posts	•	•
Pure View Glass Baluster Railing with AI ¹³ HOME™ Posts	•	•

* One- & Two-Family Dwellings

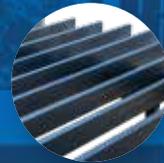
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