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**Fe<sup>26</sup>** Steel Railing

Fortress® Fe<sup>26</sup> steel railing is a pre-welded, easily customized and enhanced version of traditional wrought iron railing.



# Fe<sup>26</sup> PLUS Commercial Steel Railing

Traditional commercial projects require onsite welding and fabrication. But with Fortress Fe<sup>26</sup> PLUS commercial steel railing, installation time is cut in half.



V-SERIES

Steel Cable Railing

This vertical steel cable railing is not only affordable, but anyone can install it.



**FortressCable** 

H-SERIES
Steel Cable Railing

This simplified, panelized horizontal cable railing system is true to the Fortress® legacy of innovation and durability.



**Al**<sup>13</sup> Commercial & Residential Aluminum Railing

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



# PURE VIEW™ Glass Railing

We simplified the glass railing industry by developing a simple drop-in solution. Choose from full glass panels or glass balusters.



# **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.



# **Al**<sup>13</sup> **HOME™** Residential Aluminum Railing

An affordable, high quality, longlasting residential railing system that is virtually maintenance-free.



#### **FORTRESSACCENTS™**

#### **Lighting & Accessories**

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

Resources ...... 64



**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.

**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 single, multi-family and commercial applications.

| INNOVATION

Fortress is an industry leader with innovations like our proprietary pre-welded panel systems and 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.

**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.

**EASE OF INSTALLATION** 

We design our railing products for easy installation with simple to use bracket systems and installation components. This approach drastically reduces installation time.





# THE STRENGTH OF STEEL. THE POWER OF FORTRESS.

Fortress® Fe<sup>26</sup> steel railing is a pre-welded, easily customized and enhanced version of traditional wrought iron railing. It brings unparalleled quality to any patio, deck or balcony. The railing provides a clean, classic appearance that is versatile for a variety of applications and surfaces. Pre-galvanized steel, zinc phosphate, e-coat and premium powder coating make it the most elegant and durable steel railing system on the market.



# **FEATURES & BENEFITS**

- · Pre-welded panels with patented bracket system
- FortressShield-coated utilizing advanced automotive coating process to resist rust and corrosion
- · Many customizing options to choose from
- · Use with wood, composite, vinyl or Fortress Steel Posts
- · Quick and easy installation
- Fortress Fe<sup>26</sup> Panels are tested in accordance with ICC-ES<sup>™</sup> & AC273



## **COLORS**



- Simple Assembly -







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

#### Level

#### **Traditional**



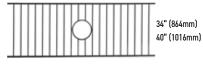
28" (711mm) 32" (813mm) California only 34" (864mm)

38" (965mm) California only 40" (1016mm)

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

Fe26 10' railing is only available in 34" panels and must be installed with Fortress® Universal Brackets (UB-04) and either: Fe<sup>26</sup> 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

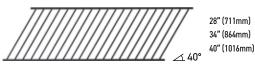
#### Ornamental



8' Actual 93.5" (2375mm) Gloss Black Only

#### **Stair**

#### Traditional Adjustable



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

# 2 POSTS & BRACKETS

#### **Posts**

All post base plates are pre-drilled enabling ease of wiring for lighting installations.

#### 39.5" (1003mm) Surface Mount

#### 49" (1245mm) Fascia Mount

Goes with 34" (864mm) Level Railing panel or with 28" (711mm) Level Railing panel when using Accent Top 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 for 34" (864mm) Stair Railing panel

#### 55" (1397mm) Surface Mount Post

Goes with 40" (1016mm) Stair Railing panel or 40" (1016mm) Level Railing panel when using Accent Top Panel

#### Post Base Cover

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

#### Surface Mount

(51mm)

(76mm)



For Fascia Mount applications only. Base Cover not required.

(51mm)

(76mm)

Fascia Mount

55"

(1397mm)

#### **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

#### Collar Bracket

#### Traditional Fasteners



CB (Level) 04 (1"/25mm) 05 (1.25"/32mm) Only when using Accent

Top Panels



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



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

#### 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

#### Simplified Stair Bracket

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



SSB-04 04 (1"/25mm)

#### Fascia Mount Bracket



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



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



Outside Corner Bracket

### 2" (51mm) 3" (76mm)





#### **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

000000000000000000

8' Circle Top



8' 3 Rail

#### Ornaments

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



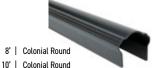




2D Star

Mountains

#### Accent Top Rail | Actual 93.5" (2375mm)









#### 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



#### **Post Accessories**

#### Caps

Without Lighting Capability

\*For caps with lighting capabilities visit page 60 for more information



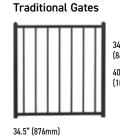




Ball Cap 2" (51mm) | 3" (76mm) (Gloss Black only)

# **GATES**

Hinges, Locks and Latches are available





**Gate Uprights** 

# (864mm) (1016mm) Maximum Overall width 48" (1219mm)

Requires Fe26 panel cut

#### Gate Kit #2



Lock & Latch

Works with Traditional Gate and Gate Uprights. Kit includes a Latch and 2 Hinges.







# STEEL RAILING THAT MEANS BUSINESS.

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 Fe<sup>26</sup> 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.

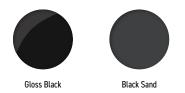


### **FEATURES & BENEFITS**

- · Pre-welded panels with patented bracket system
- FortressShield-coated utilizing the automotive coating process to resist rust and corrosion
- · Use with wood, composite, vinyl or Fortress railing metal posts
- · Quick and easy installation
- Commercially tested



### **COLORS**



- Simple Assembly -



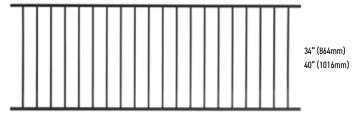




Panels can be used with several types of posts such as steel, wood, vinyl or composite

#### Level

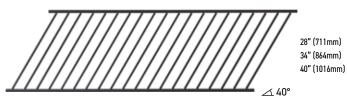
#### **Traditional**



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

#### **Stair**

#### Traditional Adjustable



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



used for extra support under a railing pane

# POSTS & BRACKETS

#### **Posts**

All post base plates are pre-drilled enabling ease of wiring for lighting installations.

#### 39.5" (1003mm) Surface Mount

49" (1245mm) Fascia Mount

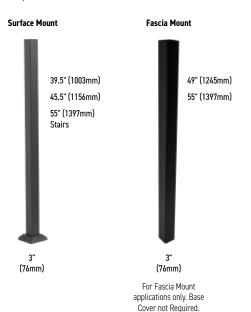
Goes with 34" (864mm) Level Railing panel or with 28" (711mm) Level Railing panel when using Accent Top Panel.

# **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 PanelPanel.





(included in Post Box with 39.5" (1003mm) and 45.5" (1156mm) Posts")

#### **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



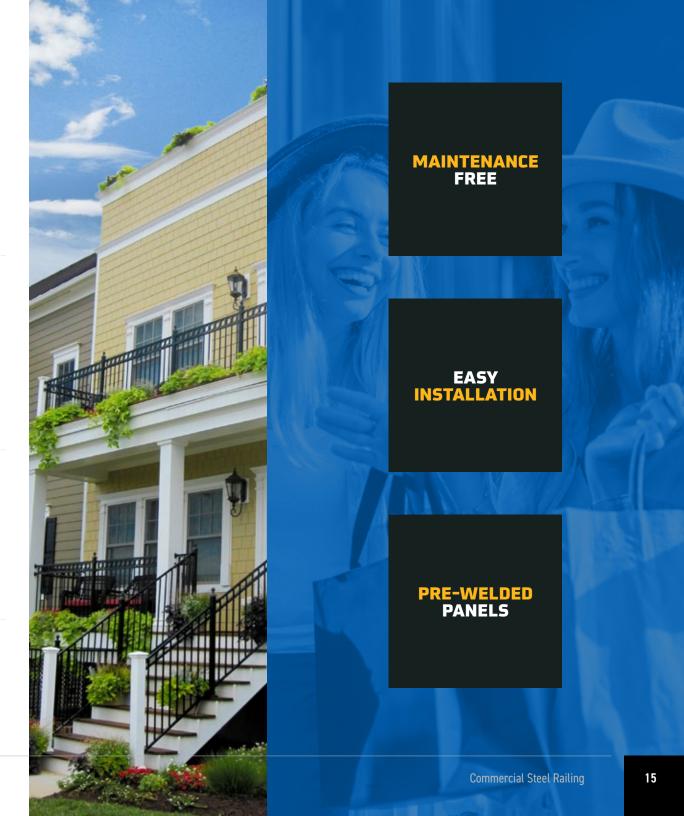
3" Straight Bracket



3" Inside Corner Bracket



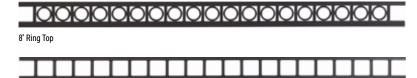
3" Outside Corner Bracket





#### **Panel Accessories**

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



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

\*For caps with lighting capabilities visit page 60 for more information







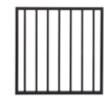
Ball Cap 3" (76mm) (Gloss Black only)

(864mm) 40" (1016mm)

# **GATES**

Hinges, Locks and Latches are available

#### Traditional Gates



34.5" (876mm)

#### Gate Kit #2





Hinge

Works with Traditional Gate and Gate Uprights. Kit includes a Latch and 2 Hinges.

Lock & Latch







# TO REACH NEW HEIGHTS IN DESIGN, GO VERTICAL.

Fortress® set out on a mission to create the first vertical cable railing system in the industry—and we succeeded. Now, FortressCable V-Series steel cable railing is not only affordable, but anyone can install it. The sleek top and bottom rail make this option a great choice for style and function.



# **FEATURES & BENEFITS**

- 1st vertical cable railing panel in the decking/railing industry
- FortressShield-coated utilizing advanced automotive coating process to resist rust and corrosion
- Pre-assembled for ease of installation
- · 316 marine grade stainless steel cable and components
- · Works with wood, composite, vinyl and Fortress steel posts
- · Quick and easy installation
- Meets ICC-ES<sup>™</sup> AC273, NBCC, OBC, ABC and BCBC standards

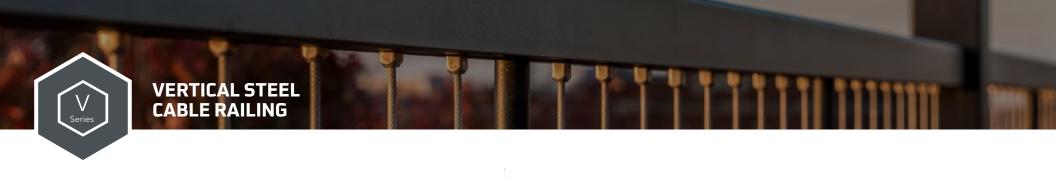


# **COLORS**



- Simple Assembly -



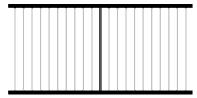




Panels can be used with several types of posts such as Metal, Wood, Vinyl or Composite.

#### Level

#### Traditional



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

6' | Actual 69.5" (1753mm)

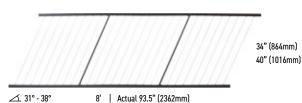


34" (864mm) 40" (1016mm)

8' | Actual 93.5" (2362mm)

#### Stair

#### Traditional Adjustable







Vertical I-Support - Stairs Optional - US Required in Canada

# POSTS & BRACKETS

#### **Posts**

All post base plates are pre-drilled 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) Stair Railing Panel

55" (1397mm) Surface Mount Goes with 40" (1016mm) Stair Railing panel Typically used with 40" (1016mm) panels in stair installations.



Fascia Mount

(51mm) (76mm)

49" (1245mm) 55" (1397mm)

> For Fascia Mount applications only. Base Cover not Required



Post Base Cover (Included in Post Box with 39.5" (1003mm) & 45.5" (1156mm) Posts)

#### **Brackets**

Use UB-05 brackets with angle adjuster for stair panel installation.

#### Universal Bracket Hidden Fasteners (Patented)







UB-ANG 05 (1.25"/32mm) Attach to UB Bracket for Angle or Stair Applications

Needed when mounting stair

#### Fascia Mount Bracket



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



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



Outside Corner Bracket 2" (51mm)





#### **Panel Accessories**

Flat Accent Top Rail





- 6' | Actual 69.5" (1753mm)
- 8' | Actual 93.5" (2362mm)

#### Cap Rail Clip

1.25" (32mm) Cap Rail Clip only used with Cable Rail System - only available in Black Sand finish Use to attach wood or composite board to top rail of panel





#### **Post Accessories**

#### Pressed Dome Caps

2" (51mm) | 3" (76mm) Without Lighting Capability \*For caps with lighting capabilities visit page 60 for more information





# **GATES** Hinges locks and latches are available

#### **Traditional Gate**



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

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

#### Gate Kit #2

Works with Traditional Gate Kit includes a Latch and 2 Hinges





Lock & Latch







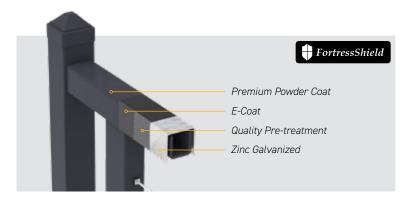
# MINIMAL DESIGN. MAXIMUM PERFORMANCE.

Growth in the cable railing sector continues to outpace other types of railing, thanks to clean, modern aesthetics and unobstructed views. That's why we're proud to offer FortressCable H-Series steel cable railing. It's a simplified, panelized horizontal cable railing system true to the Fortress® legacy of innovation and durability. Easy-to-install, FortressCable H-Series panels pair modern styling with dependable welded construction. Stainless steel cable and components further stand up to the elements. FortressCable H-Series panels coordinate with parts and accessories in our FortressCable V-Series steel cable railing and Fe<sup>26</sup> steel railing product lines.



### **FEATURES & BENEFITS**

- Pre-assembled cables for easy installation
- FortressShield-coated utilizing advanced automotive coating process to resist rust and corrosion
- 316 marine grade stainless steel cable and components
- · Patented bracket system for quick and easy installation
- · Hidden cable fasteners
- · Easy to modify panel lengths
- Meets ICC-ES<sup>™</sup> AC273



# **COLORS**



Black Sand

- Simple Assembly -





# HORIZONTAL STEEL CABLE RAILING



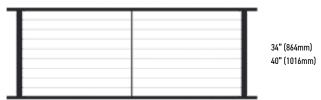
Panels can be used with several types of posts such as Metal, Wood, Vinyl or Composite.

#### Level

#### Traditional

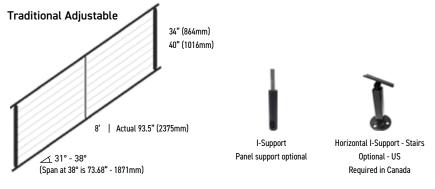


6' | Actual 69.5" (1765mm)



8' | Actual 93.5" (2375mm)

#### **Stair**



# POSTS & BRACKETS

#### **Posts**

All post base plates are pre-drilled 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) 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



**Surface Mount** 

Fascia Mount
m)
m)
)

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

49" (1245mm) 55" (1397mm)

For Fascia Mount applications only. Base Cover not Required



Post Base Cover Included in Post Box with 39.5" (1003mm), 45.5" (1156mm) and 55" (1397mm) Posts

#### **Brackets**

Use UB-05 brackets with angle adapter for angle/miter applications, use SSB-05 brackets for stair applications.

#### Universal Bracket Hidden Fasteners (Patented)



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



UB-ANG 05 (1.25"/32mm) Add to UB Bracket for Angle Application

#### Fascia Mount Bracket



Straight Bracket 2" (51mm) | 3" (76mm) Hex bolt covers included



Inside Corner Bracket
2" (51mm) | 3" (76mm)
Hex bolt covers included



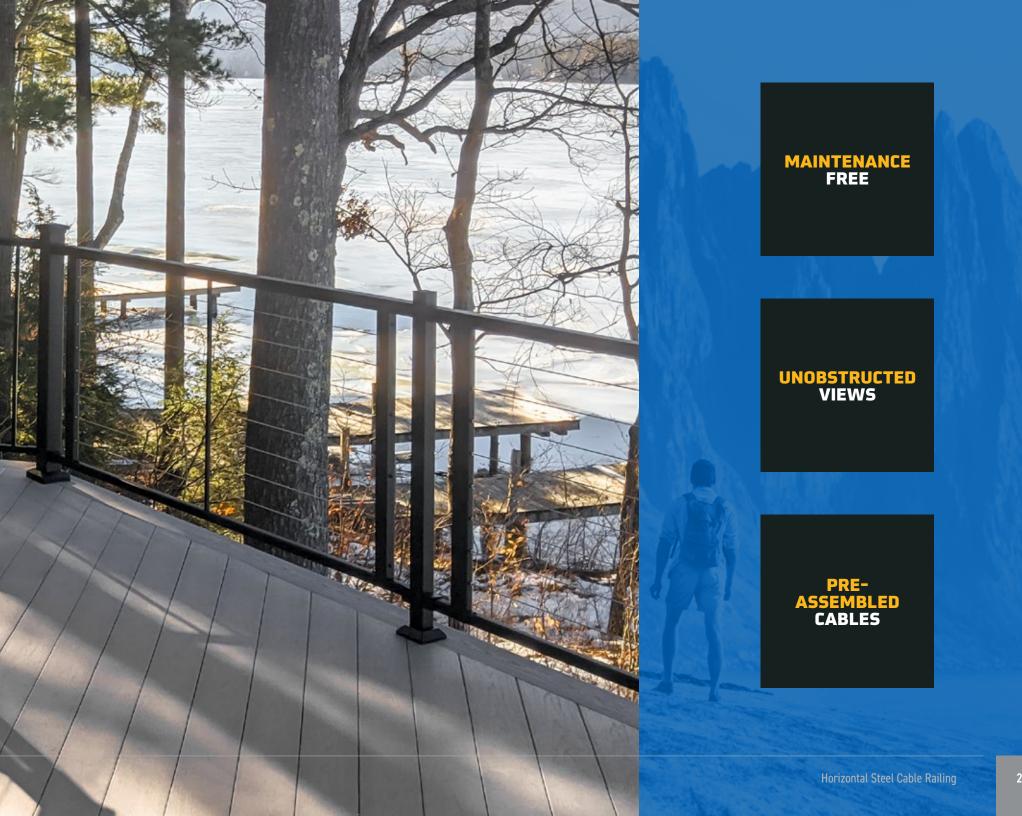
Outside Corner Bracket 2" (51mm) | 3" (76mm) Hex bolt covers included

#### Simplified Stair Bracket

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



SSB-05 05 (1.25"/32mm) Use for stair panel with 1.25" (32mm) rails Includes hex bolt covers





#### **Panel Accessories**

Flat Accent Top Rail



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



#### Cap Rail Clip

1.25" (31.75mm) Cap Rail Clip only used with Cable Rail System - only available in Black Sand finish Used to attach wood or composite board to top of rail panel





#### **Post Accessories**

#### **Pressed Dome Caps**

2" (51mm) | 3" (76mm) Without Lighting Capability \*For caps with lighting capabilities visit page 60 for more information





# **GATES** Hinges, locks and latches are available

#### **Traditional Gate**



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

34.5" (876mm)

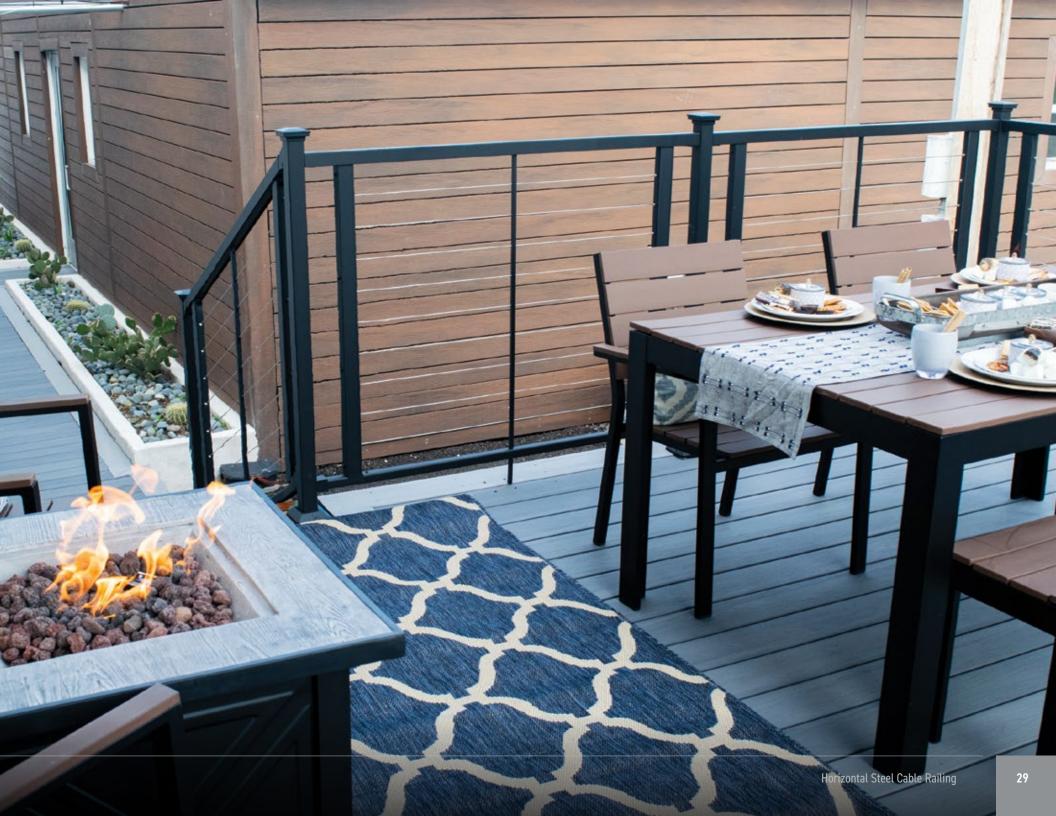
#### Gate Kit #2

Works with Traditional Gate Kit includes a Latch and 2 Hinges





Lock & Latch







# HOME IN ON THIS SIMPLE SOLUTION.

Al¹³ HOME™ residential aluminum railing is an affordable, high quality, long-lasting railing system that is virtually maintenance-free. It's panelized 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 comprising the quality expected from Fortress®.

Now Al $^{13}$  HOME can be customized with vertical cable or Pure View $^{\text{\tiny M}}$  glass infills. Create a one-of-a-kind look and fulfill your vision.





### **FEATURES & BENEFITS**

- · Affordable without sacrificing design flexibility and customization capabilities
- Panelized with pre-attached brackets to provide ease of installation, simplified ordering and consistent quality with no picket rattle
- 2" Over-The-Post and 3" Proud Post options offer ultimate flexibility, with many top rail finishing choices
- · Quality railing with a thin picket offers high visibility and a clean look
- FORTRESSLOCK finish provides a durable product with a limited lifetime warranty
- Add custom infills like our vertical cable or Pure View glass insert (full or glass balusters)
- Panel must be installed with an Accent Top Rail (ATR) or a drink rail attached with Fortress cap rail clips



## **COLORS**



- Simple Assembly -





32.5" (826mm)

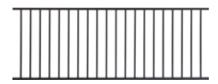
40" (1016mm)



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

#### Level

#### **Traditional**



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

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

Includes I-Support

#### Glass Panels



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

12.25" (311mm) 18.25" (464mm) 24.25" (616mm)

31.25" (794mm)

36.25" (921mm) 41.25" (1048mm)

46.25" (1175mm) 51.25" (1302mm) 56.25" (1429mm)

8mm) 61.25" (1556mm) 5mm)

#### Full Glass Panel Top & Bottom Rails



68.5" (1740mm) Includes I-Support

#### Vertical Cable



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

Includes I-Support

#### Glass Balusters

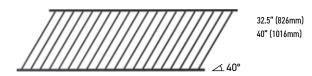


#### Glass Baluster Top & Bottom Rails



#### Stair

#### Traditional Adjustable

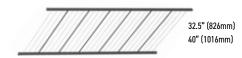


6' | Actual 72" (1829mm)

8' | Actual 93.5" (2375mm)

Includes I-Support

#### Adjustable Vertical Cable



6' | Actual 65.5" (1664mm)

8' | Actual 92.25" (2343mm)

Includes I-Support

#### Adjustable Glass Balusters







Adjustable I-Support (Stair)

# 2 POSTS & BRACKETS

#### **Posts**

All post base plates are pre-drilled enabling ease of wiring for lighting installations.

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

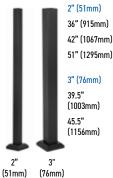
Use 2" (51mm) pre-attached bracket posts for Over-The-Post applications

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



**Fascia Mount Post** 

### **Surface Mount Post**



#### **Pre-Attached Brackets**



3" (76mm) Proud Post





#### **Brackets**

#### Hidden Fasteners



#### Straight (Level)

Use to connect your railing panel to your post on a level application



#### Angle

Use to connect your railing panel to your post for an angle application



#### Simplified Stair Bracket

Use to connect your railing panel to your post for a stair application



#### Low Profile Bracket

Vertical Cable or Pure View Stair application (not level)

#### Fascia Mount Brackets



2" (51mm) & 3" (76mm) **Outside Corner** Hex bolt covers included



2" (51mm) & 3" (76mm) Inside Corner Hex bolt covers included



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

Hex bolt covers included

# **MORE WAYS** TO CUSTOMIZE.

# **INFILL OPTIONS**

Empower your customers to dream big with Al<sup>13</sup> HOME™ residential aluminum railing. Completely customizable and affordable with an array of infill options to add personality to any outdoor living space.



Vertical Cable



Glass Balusters

Glass Panels





#### **Panel Accessories**

8' | Actual 100.875" (2562mm)

#### Accent Top Rail

An Accent Top Rail is needed for all  $Al^{13}\,HOME^{\tiny{TM}}$  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)

#### 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





#### Accent Top Rail Splices



#### Miter Applications











# Post Accessories

#### Caps

Without Lighting Capability

\*For caps with lighting capabilities visit page 60 for more information



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

# **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







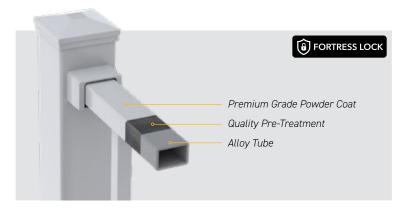
# SIMPLE TO INSTALL. EASY TO ENJOY.

Fortress® Al¹³ commercial and residential aluminum railing is an innovative, first of its kind, fully pre-welded aluminum railing system. Distinctly different from aluminum kits, Al¹³ is attractive and easy to install with its simple bracket systems. It also provides superior performance in strength and safety as a pre-welded system. Quality welding and premium powder coating create a virtually maintenance-free system designed for use in a variety of environments.



## **FEATURES & BENEFITS**

- · Pre-welded panels with patented bracket system
- · Distinctly different from traditional aluminum kits
- · Quick and easy installation
- · 100% recyclable
- · Superior performance in strength and safety
- · Use with wood, composite, vinyl or Fortress aluminum posts



## **COLORS**



- Simple Assembly -

# **EASY AS 1, 2, 3, FORTRESS**





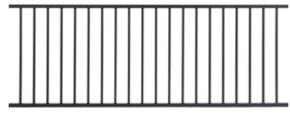
# COMMERCIAL & RESIDENTIAL ALUMINUM RAILING



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

#### Level

#### Traditional

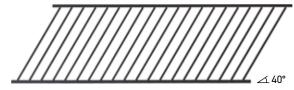


- 32" (813mm) California Only
- 34" (864mm)
- 38" (965mm) California Only 40" (1016mm)

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

#### **Stair**

#### Traditional Adjustable



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

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

# **POSTS & BRACKETS**

Standard Post

#### **Posts**

All post base plates are pre-drilled enabling ease of wiring for lighting installations.

#### 39.5" (1003mm)

Goes with 32" (813mm) and 34" (864mm) Railing panel

#### 45.5" (1156mm)

Goes with 38" (965mm) and 40" (1016mm) Railing panel or 32" (813mm) and 34" (864mm) Railing panel when using Accent Top Panels

#### 55" (1397mm)

Goes with stair panel when a taller post is needed due to the angle of the stairs

# 39.5" (1003mm) 45.5" (1156mm) 55" (1397mm)

39.5" (1003mm)
56mm)
45.5" (1156mm)
7mm)
55" (1397mm)

3" (76mm)

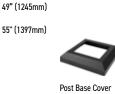
Use for commercial applications

that require an 8' (2438mm) span

**Commercial Post** 

3" (76mm)

Fascia Mount Post



(Included in Post Box with 39.5" (1003mm), 45.5" (1156mm) and 55" (1397mm) Surface Mount Posts)

#### **Evolve Brackets**

#### Hidden Fasteners







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



Stair

3" (76mm)



Angle
Used for Miter applications

#### **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

#### Low Profile Fasteners



Internal (Level) Use Angle brackets from above to coordinate



(Level and Angle/Miter)
Must use when installing
Accent Top Rail, can also
be used to install Accent
Top Panel



P2 Stair Use Stair brackets from above to coordinate



SIMPLE
BRACKET
SYSTEM
REDUCES
INSTALL TIME

LIFETIME WARRANTY

CONSISTENT QUALITY WITH PRE-WELDED PANELS



## 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)







#### 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 60 for more information







3" (76mm) Ball Cap

# **GATES** Hinges locks and latches are available

#### **Traditional Gate**



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)



#### Gate Kit #2

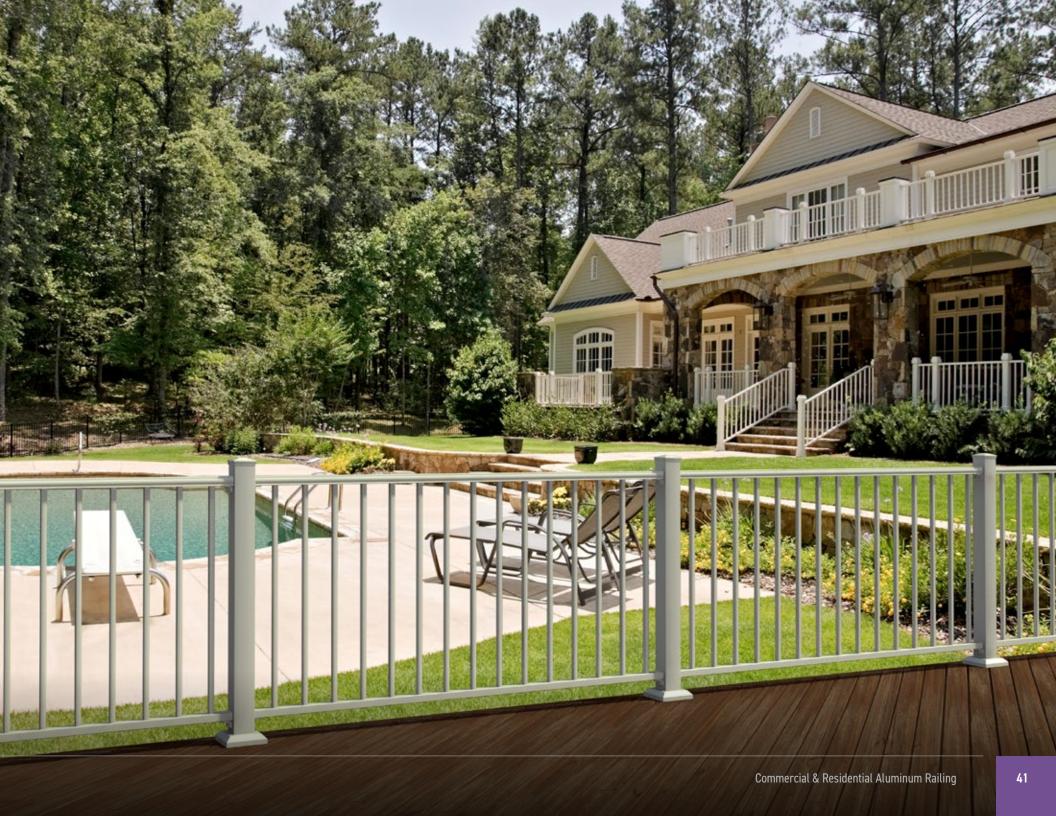
Works with Traditional Gate and Gate Uprights. Kit includes a Latch and 2 Hinges.







Lock & Latch







# THE CHOICE IS CLEAR.

Traditional glass systems are complicated to order and install. Fortress® has simplified the glass railing industry by developing a simple drop-in solution. Choose from full glass panels or glass balusters. Then, enjoy the view with peace of mind knowing your system is not only beautiful, but is also Fortress strong.





Steel Rail

Aluminum Rail

## **FEATURES & BENEFITS**

- · Open your view—it's clearly a good idea!
- Quicker, easier installation with drop-in style glass panel and balusters
- · Minimal rail profile for unobstructed views
- · Use with wood, composite, vinyl or Fortress® metal railing posts
- · Premium powder coat offers long-term, low-maintenance system
- Cost effective and elegant glass railing system eliminates custom cutting of glass panels



## COLORS



— Simple Assembly —

# **EASY AS 1, 2, 3, FORTRESS**







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

#### Level

#### Full Glass Panel (Aluminum Rails)

31.5" (800mm) 33" (838mm) 39" (991mm)

Actual 68.5" (1740mm)

#### Glass Balusters

(Aluminum & Steel Rails)



- 6' | Actual 69.5" (1765mm) Steel
- 6' | Actual 69" (1753mm) Aluminum

#### Full Glass Panel Widths

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

41.25" (921mm)





Steel Panel Support

26" (660mm)

34" (864mm)

31.85" (809mm)

39.35" (999mm)

40" (1016mm)

Aluminum Panel Support

### Stair 26" (660mm) Traditional Adjustable 31.5" (800mm) Choose from Steel or Aluminum for 34" (864mm) your pre-slotted adjustable rails. 40" (1016mm) Actual 69.5" (1765mm) Steel ∠ 40° 6' Actual 73" (1854mm) Aluminum

# **2 POSTS & BRACKETS**

Surface Mount

#### **Posts**

All post base plates are pre-drilled enabling ease of wiring for lighting installations.

39.5" (1003mm) Goes with any rail panel height of 34" (864mm) and below

45.5" (1156mm) Goes with 40" (1016mm) Railing panel



Post Base Cover Included with post

# 2" (51mm)

36" (915mm)

#### 3" (76mm)

51" (1295mm) 55" (1397mm) Stairs

(51mm)

#### Fascia Mount

49" (1245mm) Al<sup>13</sup> HOME<sup>TM</sup> Only 55" (1397mm) 39.5" (1003mm) 42" (1067mm)  $Al^{13} HOME^{TM} Only$ 

# 45.5" (1156mm)

Al<sup>13</sup> HOME<sup>TM</sup> Only

(76mm)

For Fascia Mount applications only. Base Cover not Required.

(76mm)

(51mm)

#### **Pre-Attached Brackets**



Available in 2" (51mm) & 3" (76mm) posts.

#### **Brackets**

#### Aluminum Evolve Bracket (Hidden Fasteners)



External (Level)



External Large



Stair



Angle

#### Universal Bracket (Hidden Fasteners)



**UB-05** (Level)



UB-ANG-05 Add to universal bracket for stair or angle application

# **2 POSTS & BRACKETS**

#### **Brackets**

#### Steel Collar Brackets (Traditional Fasteners)







(Level)

(Angle)



CBS-ADJ-05

(Stair)

Internal

#### **Evolve Low Profile Fasteners** $Al^{13}$







(Level)

P2 Stair P2 Level (Stair) Must use when using Accent Top Rail, or for use with Accent Top Panels (level or angle)

#### Hidden Fasteners Al<sup>13</sup> HOME™



#### Straight (Level)

Use to connect your railing panel to your post on a level application



Use to connect your railing panel to your post for an angle application



#### Low Profile Bracket

Use to connect your railing panel to your post on a level application

#### Fascia Mount Brackets



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

Hex bolt covers included



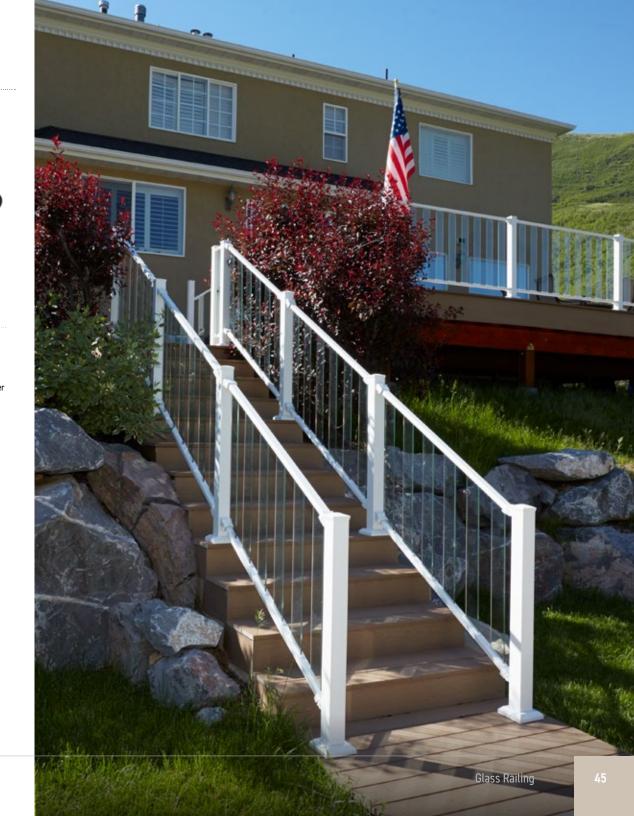
2" (51mm) & 3" (76mm) Inside Corner

Hex bolt covers included



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

Hex bolt covers included





# **3 PERSONALIZATION**

### **Post Accessories**

#### Caps

Without Lighting Capability
\*For caps with lighting capabilities visit page 60 for more information



2" (51mm) & 3" (76mm) Ball Cap

(Steel & Gloss Black only)



2" (51mm) & 3" (76mm) Ball Cap

(Aluminum only)



2" (51mm) & 3" (76mm) Flat Pryamid Cap

(Aluminum only)



2" (51mm) & 3" (76mm) Pressed Dome Cap (Steel only)

# **GATES**

#### Gate Upright Kit

Metal panel sold separately.



32.5" (826mm) 34" (864mm) 40" (1016mm)



#### Gate Kit #2

Works with Traditional Gate and Gate Uprights. Kit includes a Latch and 2 Hinges.



Hinge



Lock & Latch





3RD PARTY TESTED HIGHEST QUALITY MATERIALS

LOW PROFILE TOP RAIL FOR HIGHEST VISIBILITY

DROP-IN GLASS FOR QUICK INSTALLATION





# 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.



## **FEATURES & BENEFITS**

- 100% galvanized steel balusters with premium powder coat finish
- Face mount installation or surface mount installation
- · Choose from round or square baluster styles
- Easy to install with our Fortress® railing mounting system
- · Use with wood, composite, or vinyl rails and posts
- · Great option for replacing wood balusters with something more durable



## **COLORS**



— Simple Assembly —

# **EASY AS 1, 2, 3, FORTRESS**





# **BALUSTER**

#### **Steel: Face Mounted**

(No Mounts needed, screws included)

Vintage: Square



31" (787mm) 42" (1067mm)



31" (787mm)

Vienna: Bow



**Steel: Surface Mounted** 

Vintage: Round

(Use Vintage Round EZ Mounts or Shoes for installation)



#### **Glass: Surface Mounted**

Glass Baluster with: Shoe Mount



26" (660mm) 34" (813mm) 40" (1016mm)



Glass Baluster with: Mounting Clip



Glass Baluster With: Sandwich Mount (Stainless Steel Screw w/Washer)



26" (660mm) 34" (813mm) 40" (1016mm)

#### Mega: Square

(Use Mega Square EZ Mounts or Shoes for installation)

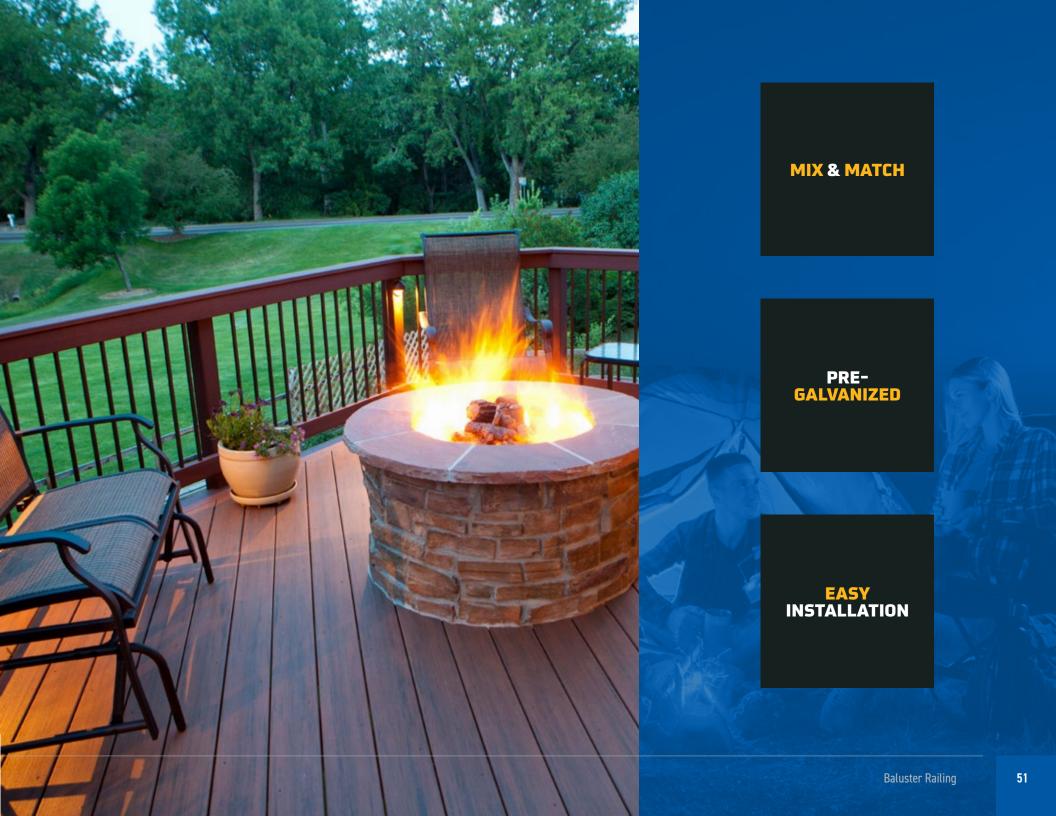


26" (660mm) 32" (813mm)



Mounting Clip









#### 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



## 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.







# 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: square and round. 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.



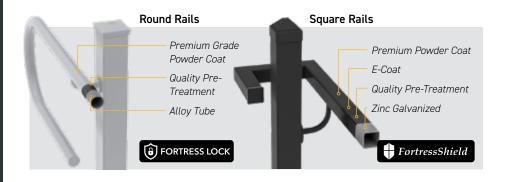


Square Handrail

Round Handrail

## **FEATURES & BENEFITS**

- · Quick and easy installation
- · Superior performance in strength and safety
- · ADA compliant (round)
- Brackets and adapters allow for installation at virtually any angle
- Use with wood, composite, vinyl or Fortress® railing metal posts



## **COLORS**



# **ADA HANDRAIL SYSTEM: ROUND**

# Assembly Drawings

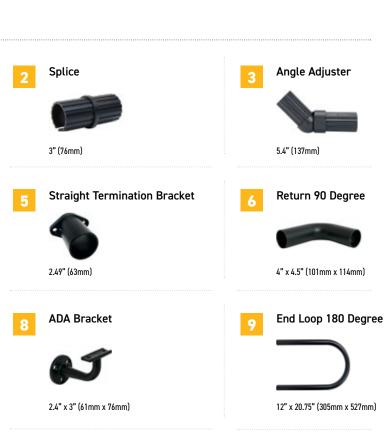


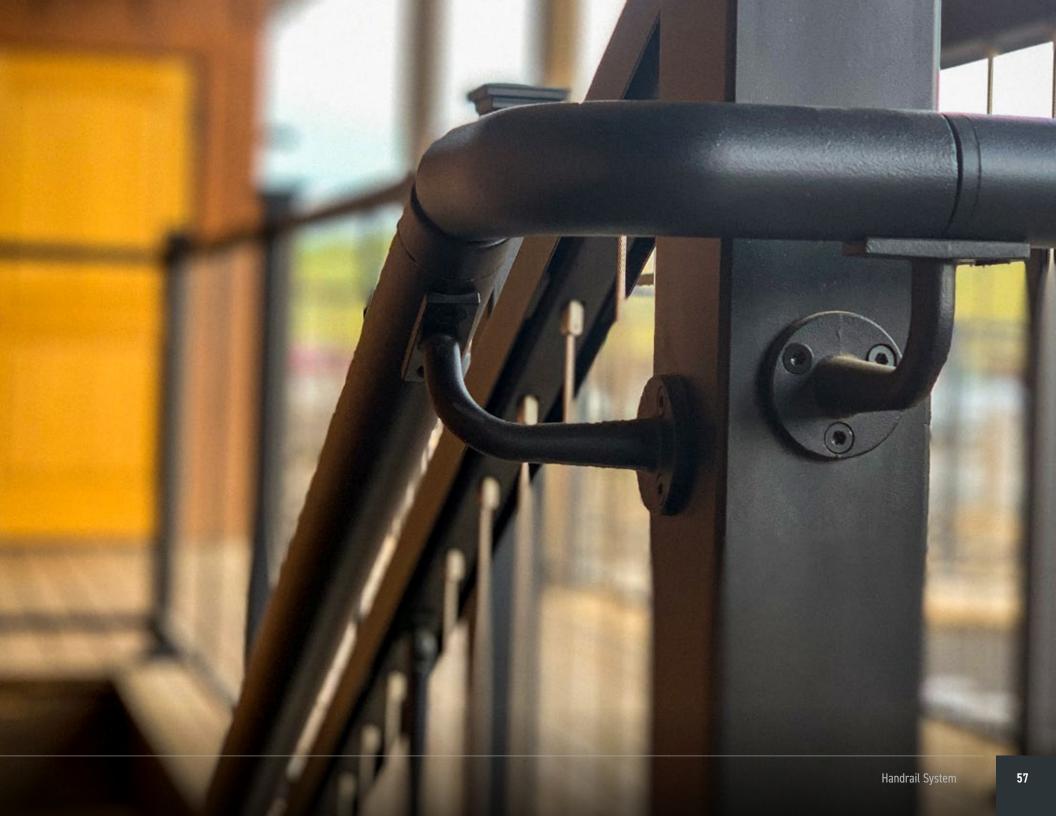






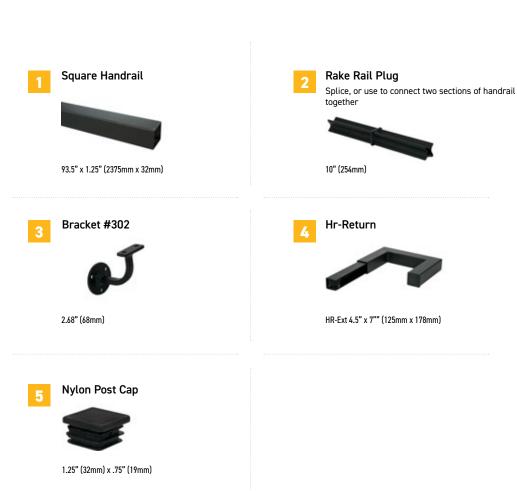






# **HANDRAIL SYSTEM: SQUARE**











# SEE YOUR WORLD IN A DIFFERENT LIGHT.

Bring your outdoor space out of the Dark Ages. Check out our brilliant collections of LED lighting accessories, post caps and post base covers. This 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. Plus, our unique built-in thermal management system offers a power supply option with a timer, dimmer and photocell. Improve your ambiance with our illuminating solutions.









## **FEATURES & BENEFITS**

- Strong and durable die-cast aluminum post caps with energy efficient optional LED lighting system
- Versatile use with a variety of decking and railing materials
- Use with wood, composite, vinyl or Fortress<sup>®</sup> railing metal posts
- Wide variety of sizes and colors of post caps and base covers

## **COLORS**



— Simple Assembly —

# **EASY AS 1, 2, 3, FORTRESS**





## **POST CAPS & POST CAP LIGHTING**

## **Post Caps**



Gloss Black

3.5" (89mm)

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

4" (102mm) 5" (127mm) 6" (152mm)



Black Sand 2" (51mm)

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



Antique Bronze 2" (51mm)

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



2" (51mm)

4" (102mm)

3" (76mm) 5" (127mm) 3.5" (89mm) 6" (152mm)



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







## **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)

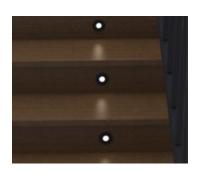




## **LED Surface Mount Light** & Forstner Bit

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





## **LED Universal Light**

LED Universal Lights are ideal for any location. Place them under the rails of a Fortress Railing panel or on stairs. (0.25 Watts)





# **INSTALLATION COMPONENTS**

## **Premium Transformer (60w)**

 60W transformer that can power almost any deck project





### Transformer (30w)

• ETL-Listed to ensure adherence to industry quality standards





suitable for wet locations

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

Recommended for installation of FortressAccents™ LED lighting



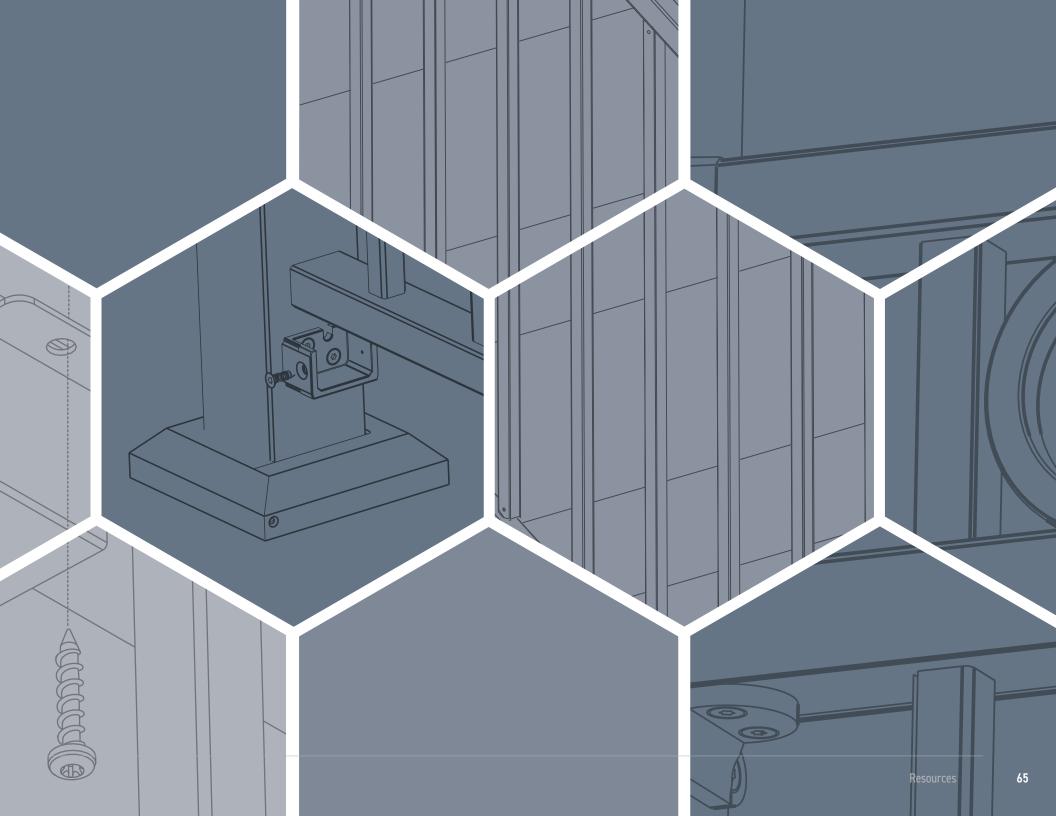


HIGHLY VERSATILE & COMPATIBLE

VIRTUALLY MAINTENANCE FREE

80% LESS
ENERGY
THAN
INCANDESCENT
LIGHTING





# Fe<sup>26</sup> Steel Railing

ТҮРЕ	IRC*	IBC**	CANADA
Fe $^{26}$ Traditional Panels (up to 8' (2438mm) panels) with Fe $^{26}$ Universal Brackets (04) and Fe $^{26}$ Posts	•		
Fe <sup>26</sup> Traditional Panels (up to 8' (2438mm) panels) with Fe <sup>26</sup> Universal Brackets (04) and Wood Posts	•		
Fe <sup>26</sup> Traditional Panels (up to 8' (2438mm) panels) with Fe <sup>26</sup> Collar Brackets (04) and Fe <sup>26</sup> Posts	•		
Fe $^{26}$ Traditional Panels (up to 8' (2438mm) panels) with Fe $^{26}$ Collar Brackets (04) and Wood Posts	•		
Fe <sup>26</sup> Posts (2" (51mm) and 3" (76mm)) Stand-Alone Posts Test (200 lb force)	•		

<sup>\*</sup> One-& Two-Family Dwellings

# Fe<sup>26</sup> PLUS Commercial Steel Railing

ТҮРЕ	IRC*	IBC**	CANADA
Fe <sup>26</sup> Traditional Panels with Fe <sup>26</sup> Collar Brackets and Fe <sup>26</sup> Posts 3" (76mm)	•	•	
$\mbox{Fe}^{26}$ Traditional Panels with $\mbox{Fe}^{26}$ Collar Brackets and Wood Posts	•	•	
Fe <sup>26</sup> Posts 3" (76mm) Stand-Alone Posts Test	•	•	

<sup>\*</sup> One-& Two-Family Dwellings

# FortressCable H-Series Railing

ТҮРЕ	IRC*	IBC**	CANADA
Horizontal Cable Railing Panels with Fe <sup>26</sup> Universal Bracket (05) and Fe <sup>26</sup> Post 2" (51mm)	•		
Horizontal Cable Railing Panels with Fe <sup>26</sup> Universal Bracket (05) and Fe <sup>26</sup> Post 3" (76mm)	•	•	
Horizontal Cable Railing Panels with Fe <sup>26</sup> Universal Bracket (05) and Wood Post	•	•	
Fe <sup>26</sup> Posts 3" (76mm) Stand-Alone Posts Test	•	•	

<sup>\*</sup> One-& Two-Family Dwellings

# FortressCable V-Series Railing

ТҮРЕ	IRC*	IBC**	CANADA
Vertical Cable Railing Panels with Fe <sup>26</sup> Universal Bracket (05) and Fe <sup>26</sup> Post 2" (51mm)	•		•
Vertical Cable Railing Panels with Fe <sup>26</sup> Universal Bracket (05) and Fe <sup>26</sup> Post 3" (76mm)	•	•	•
Vertical Cable Railing Panels with Fe <sup>26</sup> Universal Bracket (05) and Wood Post	•	•	•
Fe <sup>26</sup> Posts 3" (76mm) Stand-Alone Posts Test	•	•	•

<sup>\*</sup> One-& Two-Family Dwellings

<sup>\*\*</sup> All Use Groups

<sup>\*\*</sup> All Use Groups

<sup>\*\*</sup> All Use Groups

<sup>\*\*</sup> All Use Groups

# Al<sup>13</sup> Aluminum Railing

ТҮРЕ	IRC*	IBC**	CANADA
Al <sup>13</sup> Traditional Railing With Evolve External Bracket and Al <sup>13</sup> Posts	•	•	•
Al <sup>13</sup> Traditional Railing With Evolve External Bracket and Wood Posts	•	•	•
Al <sup>13</sup> Traditional Railing With Evolve P2 Bracket and Al <sup>13</sup> Posts	•	•	•
Al <sup>13</sup> Traditional Railing With Evolve P2 Bracket and Wood Posts	•	•	•
Al <sup>13</sup> Aluminum Post Stand-Alone Post Tests	•	•	•

# **Al**<sup>13</sup> **HOME<sup>™</sup> Aluminum Railing**

ТҮРЕ	IRC*	CANADA
Al <sup>13</sup> HOME™ Railing With Straight Bracket and Al <sup>13</sup> HOME Posts	•	•

<sup>\*</sup> One-& Two-Family Dwellings

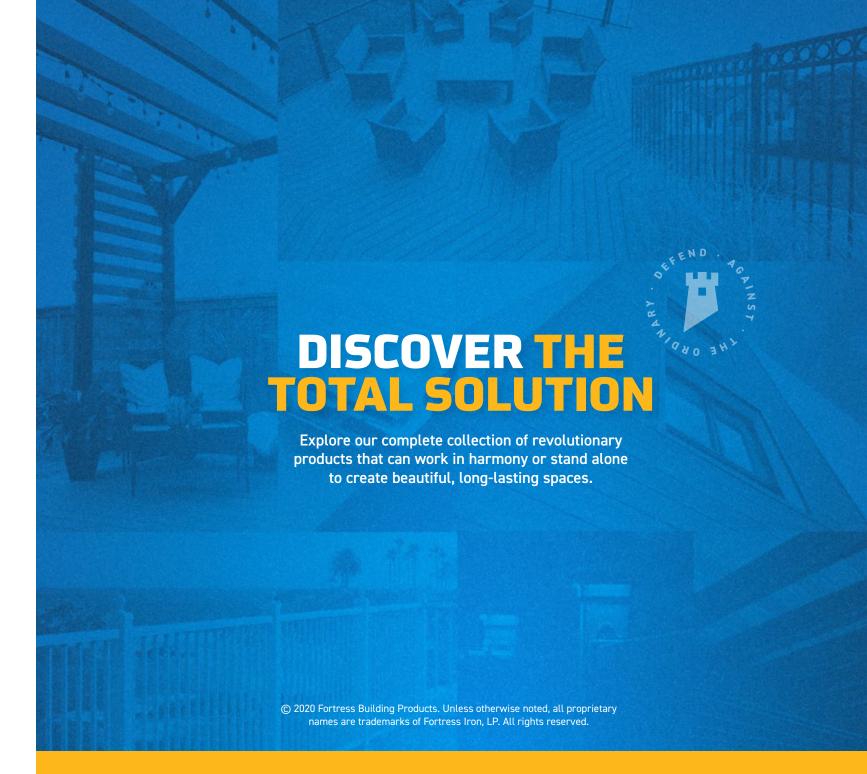
# **Pure View® Glass Railing**

ТҮРЕ	IRC*	CANADA
Pure View® Glass Baluster Steel Railing Pre-Slotted Rails with Fe <sup>26</sup> Collar Brackets and Fe <sup>26</sup> Posts	•	
Pure View Glass Baluster Steel Railing Pre-Slotted Rails with Fe $^{26}$ Collar Brackets and Wood Posts	•	
Pure View Glass Baluster Aluminum Railing Pre-Slotted Rails with Evolve External Brackets and Al <sup>13</sup> Posts	•	•
Pure View Glass Baluster Aluminum Railing Pre-Slotted Rails with Evolve External Brackets and Wood Posts	•	•
Pure View Glass Baluster Steel Railing Pre-Slotted Rails with P2 Brackets and Al <sup>13</sup> Posts	•	
Pure View Full Glass Panel Railing with Evolve External Bracket and Al <sup>13</sup> Posts	•	•
Pure View Full Glass Panel Railing with Evolve External Bracket and Wood Posts	•	•
Pure View Full Glass Panel Railing with Al <sup>13</sup> HOME™ Posts	•	•
Pure View Glass Baluster Railing with Al <sup>13</sup> HOME™ Posts	•	•

<sup>\*</sup> One-& Two-Family Dwellings

<sup>\*</sup> One-& Two-Family Dwellings

<sup>\*\*</sup> All Use Groups



JOIN THE REVOLUTION.

FortressBP.com 866.323.4766