

### RESIDENTIAL

# Fe<sup>26</sup> IRON RAILING SIMPLIFIED

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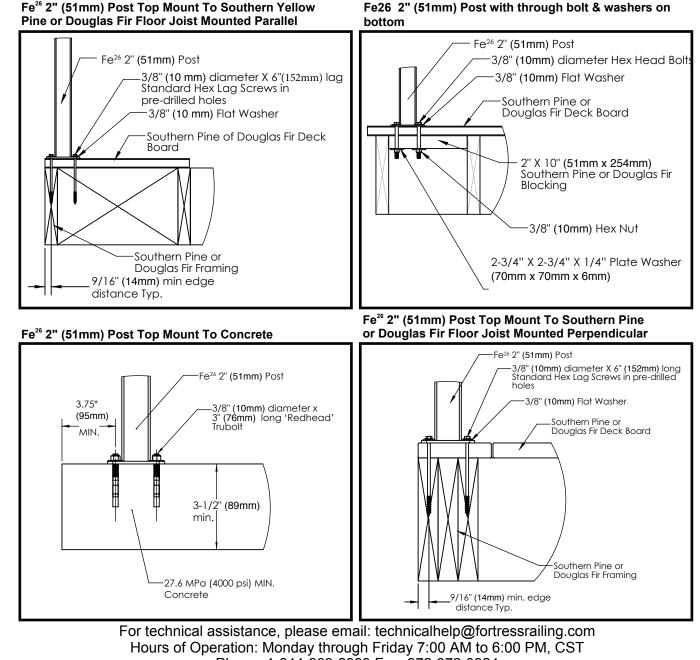
It is the responsibility of the installer to meet all code and safety requirements, and to obtain all required building permits. The deck and railing installer should determine and implement appropriate installation techniques for each installation situation. The Fortress Company or its distributors shall not be held liable for improper or unsafe installations.

Fortress Fe<sup>26</sup> Posts must always be secured to the deck framing. Fortress Fe<sup>26</sup> Posts should never be attached to only the deck boards.

#### Note

When cutting Fortress railing, it is very important to complete the following at cut points. Not following the below steps will result in rust at the cut areas:

- Remove all metal shavings from the cut area
- File any sharp edges left by cutting. Thoroughly wipe and remove any filings, grime or dirt from the railing.
- Apply two coats of Fortress zinc based touch-up paint to the cut area. Allow paint to dry.
- Be sure to remove any metal shavings from the surface of deck, patio or balcony to prevent rust on the surface.



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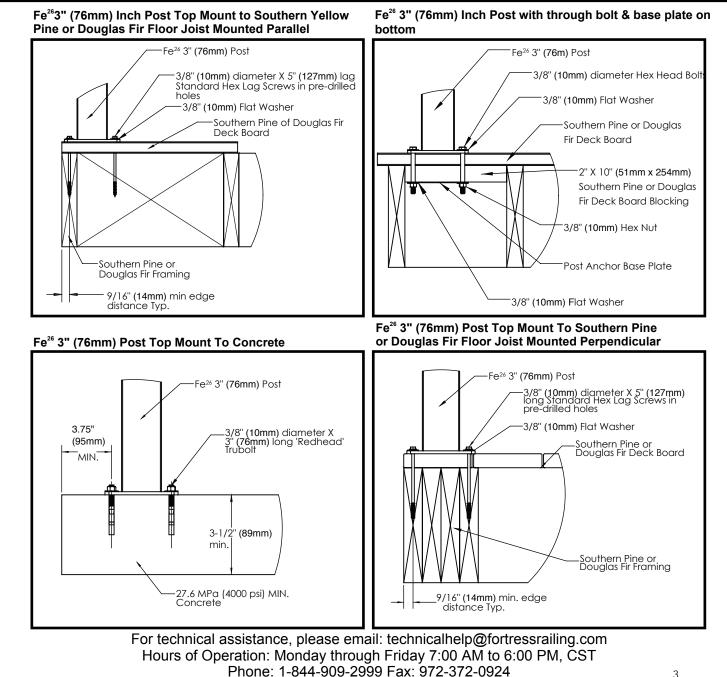
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- Be sure to remove any metal shavings from the surface of deck, patio or balcony to prevent rust on the surface.

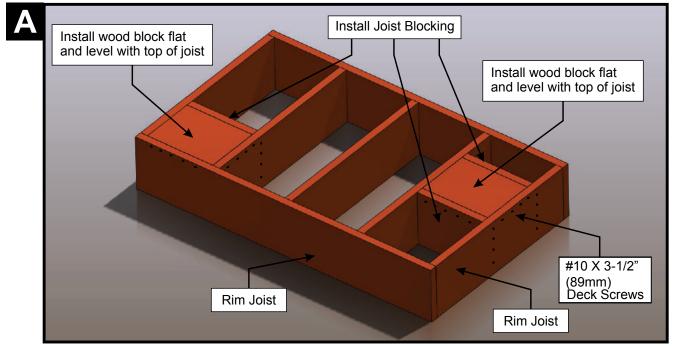




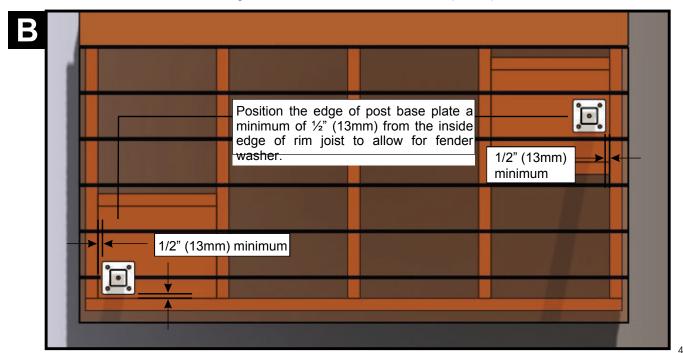
It is the responsibility of the installer to meet all code and safety requirements, and to obtain all required building permits. The deck and railing installer should determine and implement appropriate installation techniques for each installation situation. The Fortress Company or its distributors shall not be held liable for improper or unsafe installations.

Fortress Iron Posts must always be secured to the deck framing. Fortress Iron Posts should never be attached to only the deck boards.

**Required Materials:** Wood Blocking,3/8" X 3-1/2" (10mm x 89mm) Hex Head Galvanized Bolts (4 for each post), 3/8" (10mm) Galvanized Washers (4 for each post), 3/8" (10mm) Fender Washers (4 for each post), 3/8" (10mm) Split Lock Washers (4 for each post), and 3/8" (10mm) Hex Nuts (4 for each post).

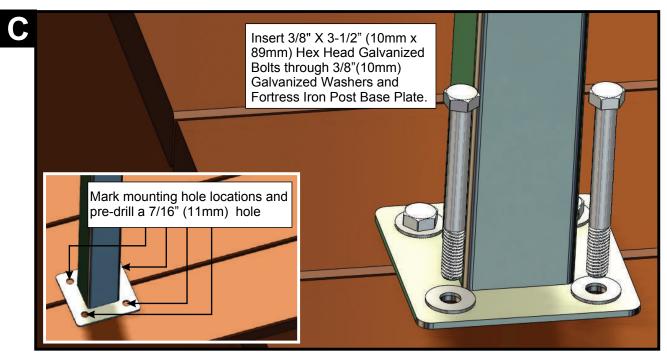


- Blocking must be constructed with treated dimensional lumber.
- Attach all blocking with #10 X 3-1/2" (89mm) deck screws.
- Wood Block must be constructed with treated dimensional lumber with a minimum thickness of 1-1/2" (38mm).
- Secure Wood Block to blocking on all four sides with #10 X 3-1/2" (89mm) deck screws.

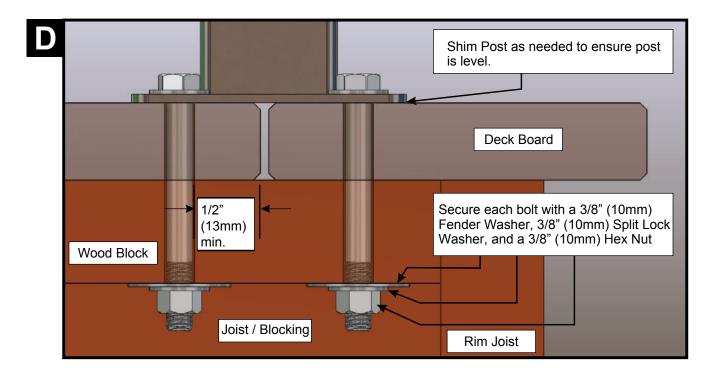




#### Surface Mounting Fortress Iron Posts Installed on a Wood Deck



- Iron Post Base Plate holes **MUST** be positioned a minimum <sup>1</sup>/<sub>2</sub>" (13mm) from edge of deck board.
- Use only 3/8" (10mm) Hex Head Galvanized Bolts. Lag Screws should NOT be used.
- Secure each post with four bolts.



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# **IRON RAILING** SIMPLIFIED

# PANELS AND BRACKETS



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# Fortress Fe<sup>26</sup> Railing Traditional Panels with Collar (CB) Brackets and Iron Posts

It is the responsibility of the installer to meet all code and safety requirements, and to obtain all required building permits. The deck and railing installer should determine and implement appropriate installation techniques for each installation situation . The Fortress Company or its distributors shall not be held liable for improper or unsafe installations.

Fortress Iron Posts must always be secured to the deck framing. Fortress Iron Posts should never be attached to only the deck boards.

#### Note

When cutting Fortress railing, it is very important to complete the following at cut points. Not following the below steps will result in rust at the cut areas:

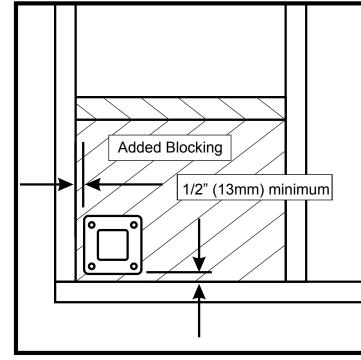
- · Remove all metal shavings from the cut area
- File any sharp edges left by cutting. Thoroughly wipe and remove any filings, grime or dirt from the railing.
- Apply two coats of Fortress zinc based touch-up paint to the cut area. If touch up is at rail ends, allow paint to dry before connecting bracket to post.
- Be sure to remove any metal shavings from the surface of deck, patio or balcony to prevent rust on the surface.

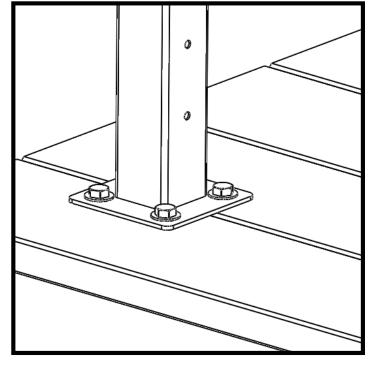
#### **Required Materials**

Drill, 3/16" (5mm) Drill Bits, T-25 Driver Bit, Drill Bit Extender, Tape Measure, Wrenches, Speed Square, Center Punch, 3-3/4" (96mm) Support and Hammer.

#### Mount Iron Posts\*

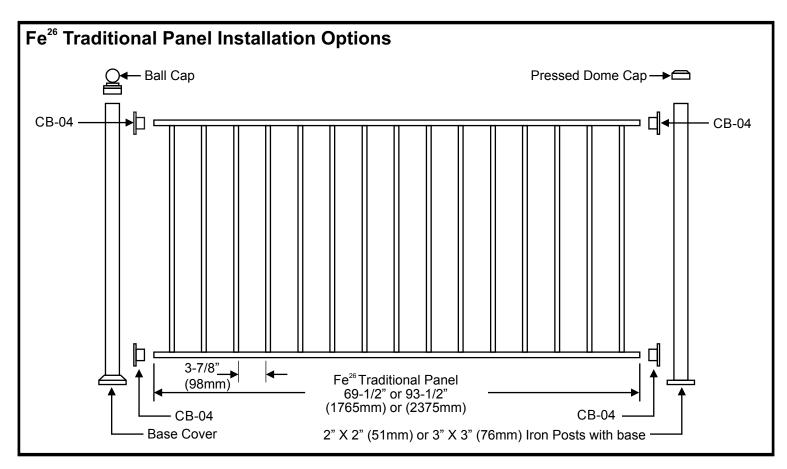
- Wood Blocking tied to deck frame must be installed and constructed with treated dimensional lumber with a minimum thickness of 1-1/2" (38mm).
- Position the edge of post base plate a minimum of 1/2" (13mm) from the inside edge of rim joist.
- Mount posts at appropriate points based on panel length.
- Attach Iron posts with 3/8" X 3-1/2" (10mm x 89mm) Hex Head Galvanized Bolts.

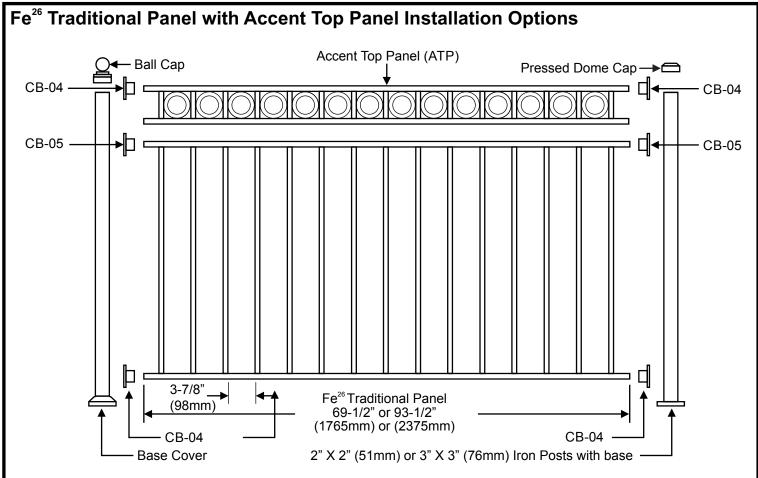


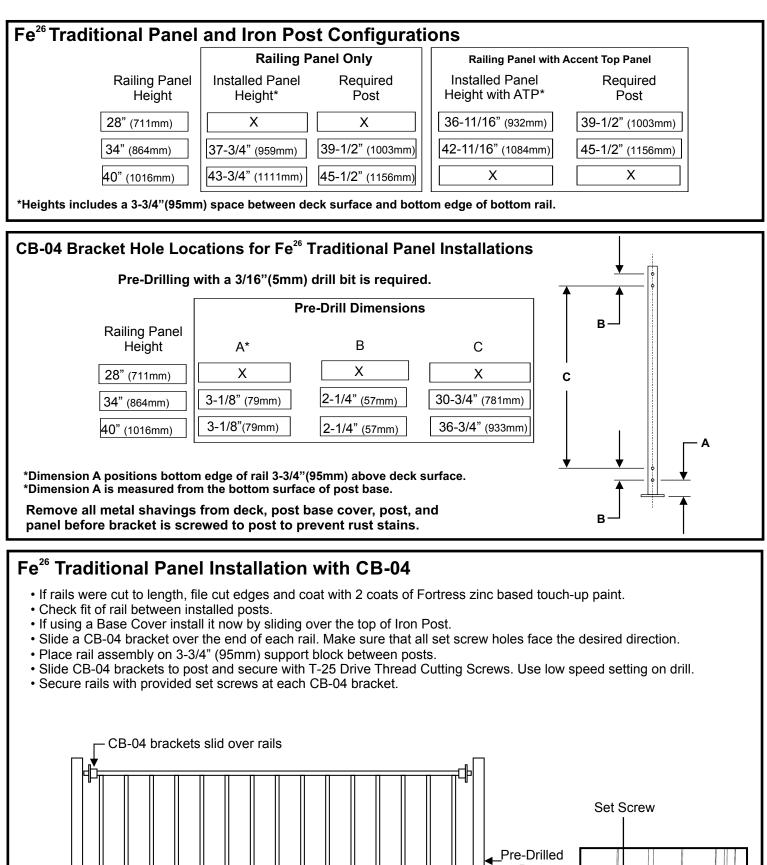


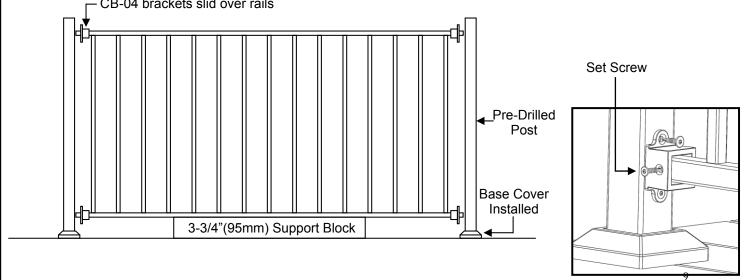
\*Reference Fortress iron post mounting instructions

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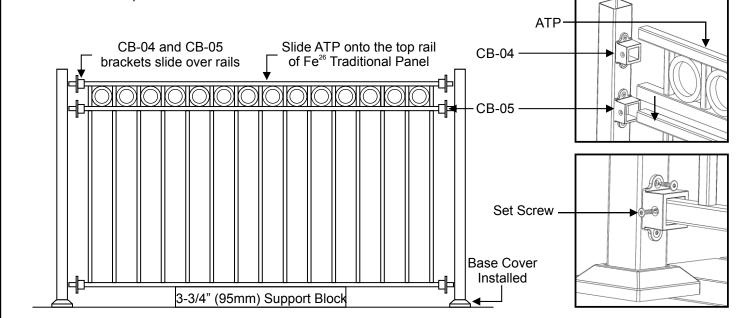






CB Bracket Hole Locations for Fe <sup>26</sup> Traditional Panel Installations with Accent Top Panel								
Pre-Drilling with a 3/16" (5mm) drill bit is required.						equired.	<u> </u>	★ C
			Pre-Drill Dimensions					T     ↓ ↓
Rail Panel Height	ATP Panel Height	A*	В	С	D	E	Ī	
28" (711 mm)	5" (127mm)	3-1/8" (79mm)	2-1/4" (57mm)	2-3/8" (60mm)	24-11/16" (627mm)	5" (127mm)		
34" (864mm)	5" (127mm)	3-1/8" (79mm)	2-1/4" (57mm)	2-3/8" (60mm)	30-11/16" (779mm)	5" (127mm)	D 	
40" (1016mm)	5" (127mm)	X	Х	Х	Х	X		
*Dimension A positions bottom edge of rail 3-3/4" (95mm) above deck surface. *Dimension A is measured from the bottom surface of post base. Remove all metal shavings from deck, post base cover, post, and panel before bracket is screwed to post to prevent rust stains.								
<ul> <li>Fe<sup>26</sup> Traditional Panel with Accent Top Panel (ATP) Installation with CB-04 and CB-05</li> <li>If rails were cut to length, file cut edges and coat with 2 coats of Fortress zinc based touch-up paint.</li> <li>Check fit of rail between installed posts.</li> <li>If using a Base Cover install it now by sliding over the top of Iron Post.</li> </ul>								

- If using a Base Cover install it now by sliding over the top of Iron Post.
  Slide ATP panel over the top rail of the Fe<sup>26</sup> Traditional Panel
- Slide a CB-04 bracket over the end of each rail. Slide a CB-05 over the end of each ATP bottom rail.
- Make sure that all set screw holes face the desired direction.
- Rest rail assembly on 3-3/4" (95mm) support block between posts.
- Slide CB-04 and CB-05 brackets to post and secure with T-25 Drive Thread Cutting Screws. Use low speed setting on drill.
- · Secure rails with provided set screws at each CB-04 and CB-05 bracket.





# Installation Instructions for Fortress Fe<sup>26</sup> Traditional Adjustable Panels with CB Brackets and Fe<sup>26</sup> Posts

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Fortress Fe<sup>26</sup> Posts must always be secured to the deck framing. Fortress Fe<sup>26</sup> Posts should never be attached to only the deck boards.

#### **Read Instructions Completely Before Starting Installation**

#### Note

When cutting Fortress railing, it is very important to complete the following at cut points. Not following the below steps will result in rust at the cut areas:

• Remove all metal shavings from the cut area

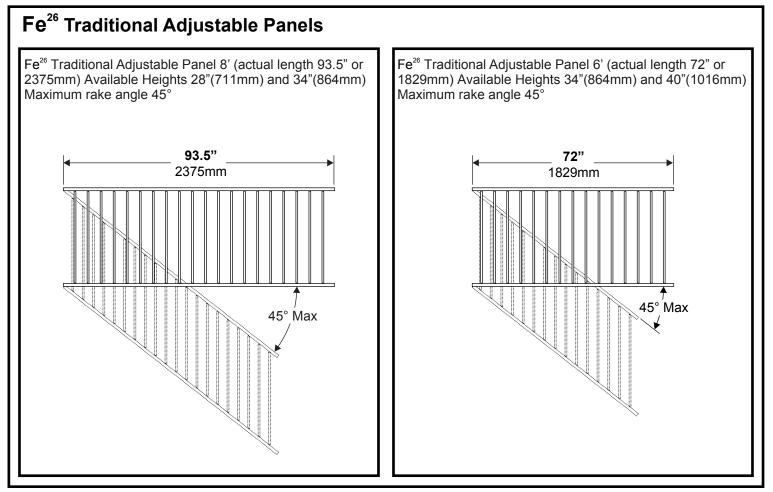
• File any sharp edges left by cutting. Thoroughly wipe and remove any filings, grime or dirt from the railing.

• Apply two coats of Fortress zinc based touch-up paint to the cut area. If touch up is at rail ends, allow paint to dry before connecting bracket to post.

• Be sure to remove any metal shavings from the surface of deck, patio or balcony to prevent rust on the surface.

#### **Required Materials**

CB-04 Adjustable Bracket, Drill, 3/16" (5mm) Drill Bit, Phillips Head Screw Driver, T-25 Driver Bit, Metal Cutting Saw, Tape Measure, Wrenches, Pencil, Speed Square, Center Punch, Support Blocks, Clamps and Hammer.

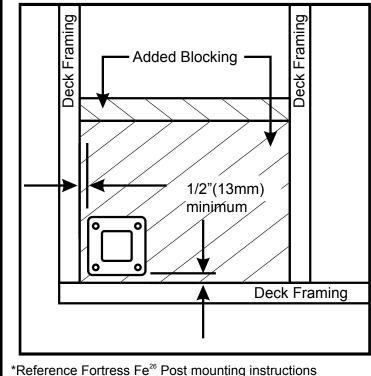


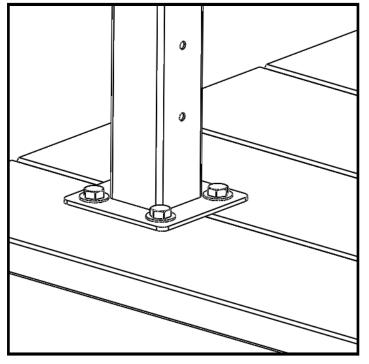
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# Important - Every stair installation will be different. The rise and run, post position, and post height all need to be carefully laid out before posts are permanently installed and Fortress Fe<sup>26</sup> Traditional Adjustable panels are cut.

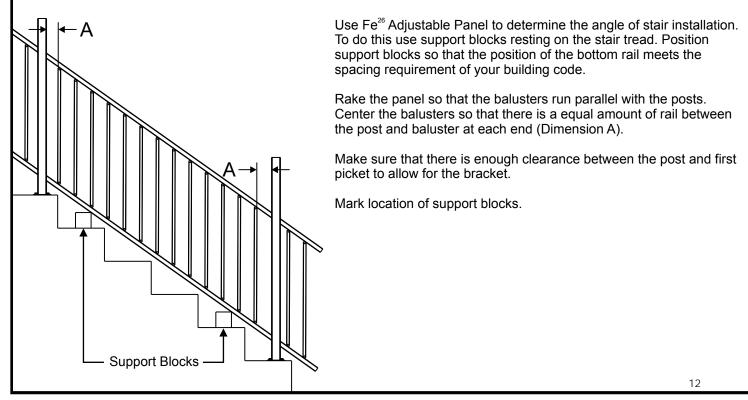
#### Mount Fe<sup>26</sup> Posts\*

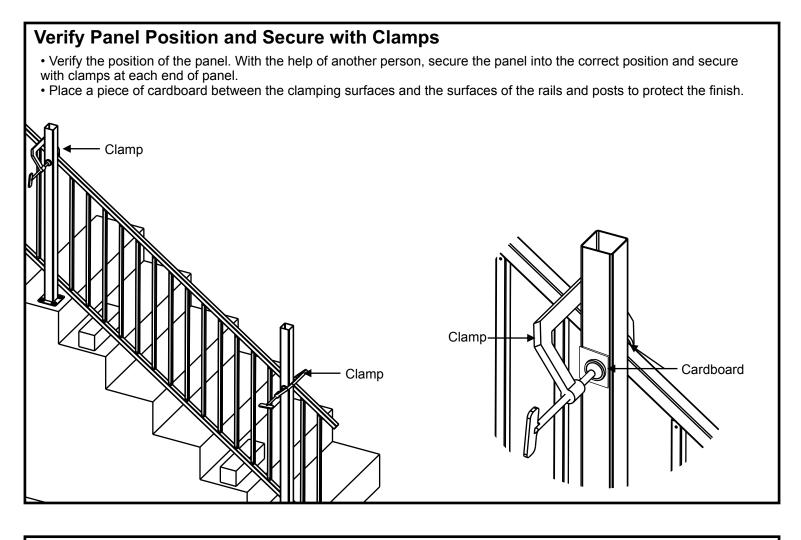
- Wood Blocking tied to deck frame must be installed and constructed with treated dimensional lumber with a minimum thickness of 1-1/2"(38mm).
- Position the edge of Fe<sup>26</sup> Post base plate a minimum of ½" from the inside edge of rim joist.
- Mount Fe<sup>26</sup> Posts at appropriate points based on panel length.
- Attach Fe<sup>26</sup> Posts with 3/8" X 3-1/2" (10mm x 89mm) Hex Head Galvanized Bolts.





#### **Determine Rake and Center Panel Between Posts**

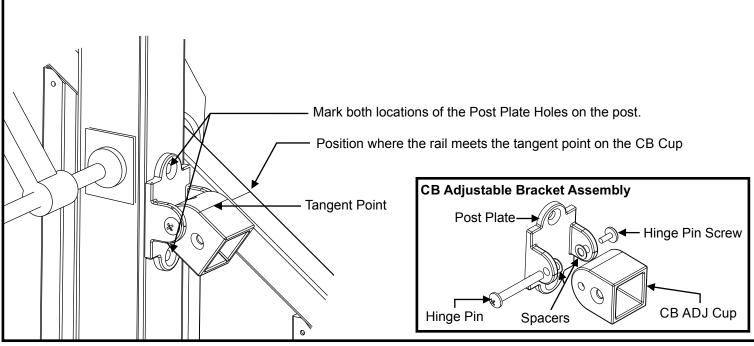




#### **Mark Rail Length**

• Place CB Angle Kit against post and position the cup so that it is parallel to the rail. With a pencil mark the position where the rail meets the tangent point of the CB Cup on the top of the rail. With bracket in the same position mark the hole locations of the Post Plate on the post. **DO NOT DRILL HOLES AT THIS TIME.** 

• Repeat this step for all four CB Angle Bracket Locations.



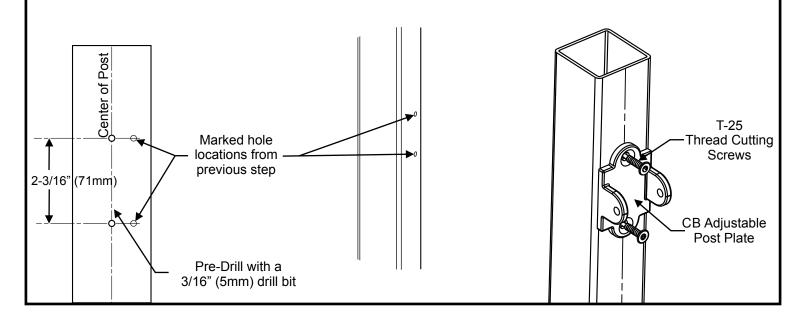
#### Pre-Drill and Install CB Adjustable Bracket Post Plates

• Remove c-clamps and panels.

• Mark the centerline of each post. The UB Brackets will be installed on the centerline, not the locations marked in the previous step.

- Use a center punch to mark the hole locations and pre-drill all bracket hole locations.
- Remove Hinge Pin from UB Angle Kit Assemblies.
- Attach UB Angle Kit Post Plates to post with supplied T-25 Drive Thread Cutting screws.
- Reassemble UB Angle Kit Assemblies with Hing Pins

• Remove all metal shavings from deck, post base cover, post, and panel before bracket is screwed to post to prevent rust stains.



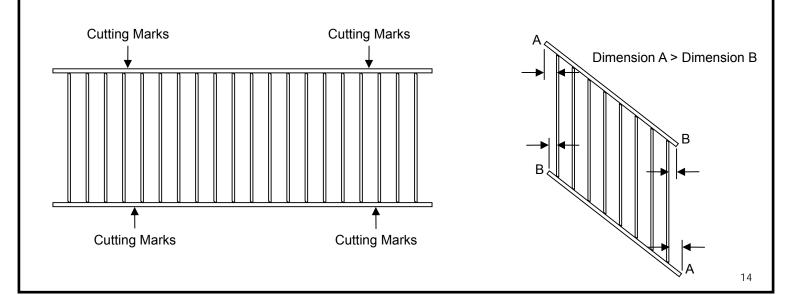
#### Cutting Fortress Fe<sup>26</sup> Railing Traditional Adjustable Panels

• Rake the panel back to 90° and lay on a flat surface.

• Using a metal cutting blade, cut the rail at the four cutting mark locations from previous step. It is advisable to make a practice cut on a scrap piece of rail before proceeding with the finish cuts.

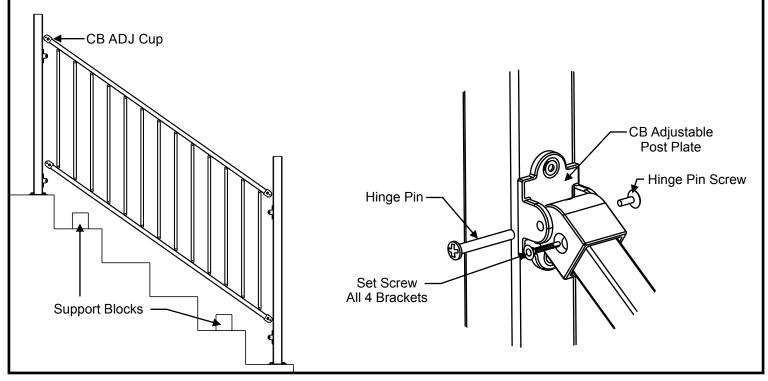
• The distances from the first picket to the ends of the rail, will be different from the top to bottom rail. The greater the angle of the steps the more visible the difference will be. This is required in order to keep balusters pickets parallel to the post.

• File cut edges and coat with 2 coats of Fortress zinc based touch-up paint.



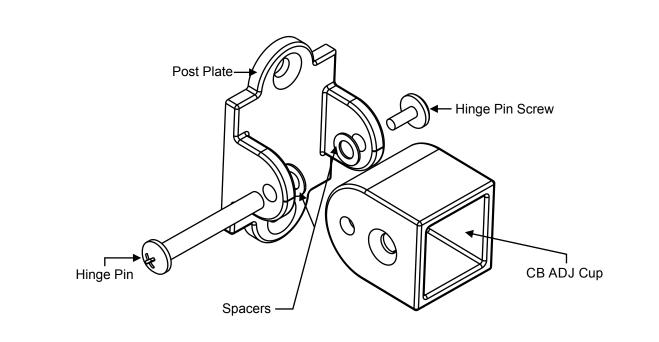
#### **Install Panel**

- Reposition support blocks.
- Place the CB ADJ Cups over the ends of rails. DO NOT INSTALL SET SCREWS AT THIS TIME.
- Position panel with CB ADJ Cups into installed CB ADJ Post Plates. Secure with Hinge Pins.
- Check the fit of the panel and make any required adjustments.
- Secure panel with a set screw installed into each bracket.



#### **Install CB Spacers**

- After Fortress Fe<sup>26</sup> Adjustable Panel has been installed, check the fit of the panel in the brackets.
- If there is noticeable rattle between the CB ADJ Cup and the CB ADJ Post Plate install the included spacers between the CB ADJ Cup and CB ADJ Post Plate.
- To install spacers remove the hinge pin, add the required spacers and replace the hinge pin.



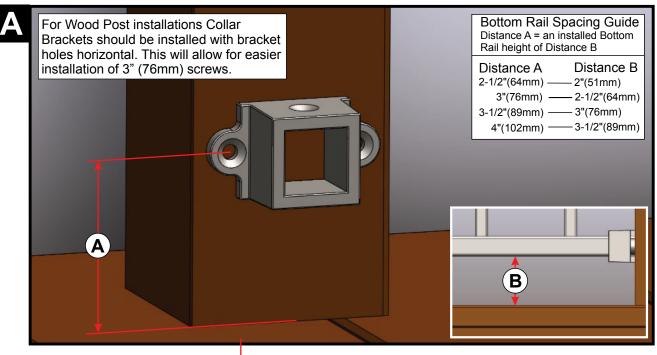


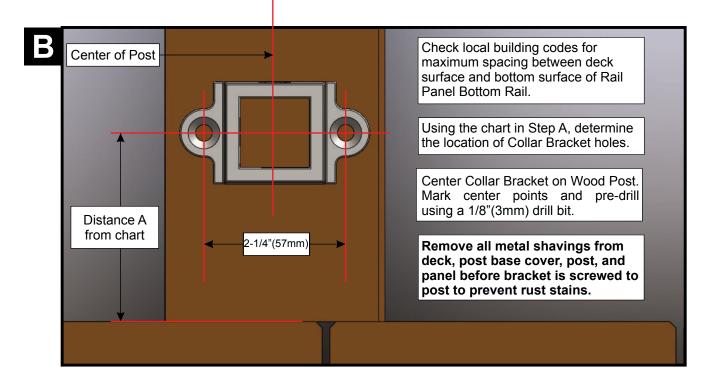
#### Installation Instructions for Fortress Iron Collar Brackets into Fortress Iron Posts

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Fortress Iron Posts must always be secured to the deck framing. Fortress Iron Posts should never be attached to only the deck boards.

**Required Materials:** #12 X 3"(76mm) Stainless Wood Screws, Drill, 1/8"(3mm) Drill Bit, Phillips Driver Bit, Tape Measure, and Center Punch.







#### Installation Instructions for Fe<sup>26</sup> Traditional Railing Panels with Universal (UB) Brackets and Fe<sup>26</sup> Posts

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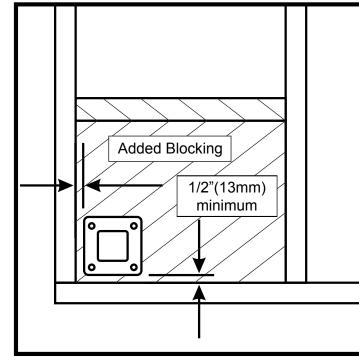
- · Remove all metal shavings from the cut area
- File any sharp edges left by cutting. Thoroughly wipe and remove any filings, grime or dirt from the railing.
- Apply two coats of Fortress zinc based touch-up paint to the cut area. If touch up is at rail ends, allow paint to dry before connecting bracket to post.
- Be sure to remove any metal shavings from the surface of deck, patio or balcony to prevent rust on the surface.

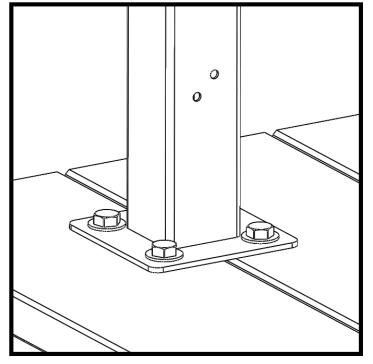
#### **Required Materials**

Drill, 3/16"(5mm) Drill Bits, T-25 Driver Bit, Drill Bit Extender, Tape Measure, Wrenches, Speed Square, Center Punch, and Hammer.

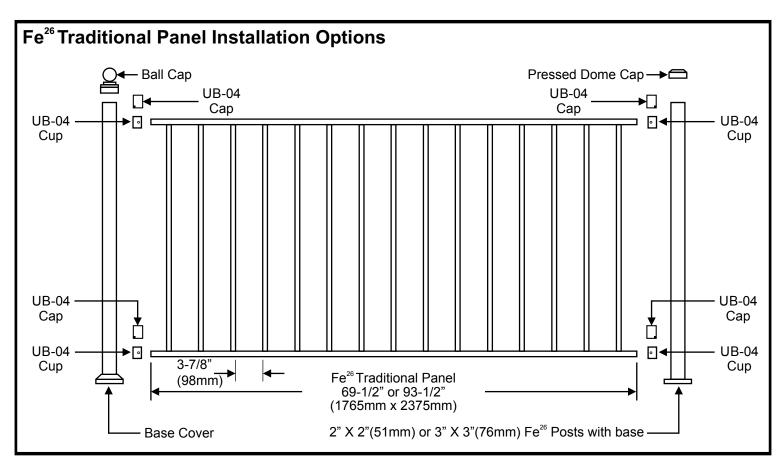
#### Mount Fe<sup>26</sup> Posts\*

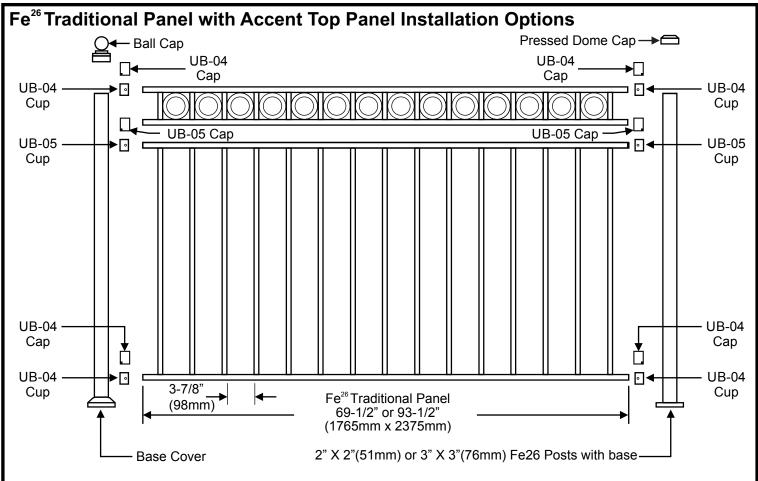
- Wood Blocking tied to deck frame must be installed and constructed with treated dimensional lumber with a minimum thickness of 1-1/2"(38mm).
- Position the edge of Fe<sup>26</sup> Post base plate a minimum of ½"(13mm) from the inside edge of rim joist.
- Mount Fe<sup>26</sup> Posts at appropriate points based on panel length.
- Attach Fe<sup>26</sup> Posts with 3/8" X 3-1/2"(10mm x 89mm) Hex Head Galvanized Bolts.

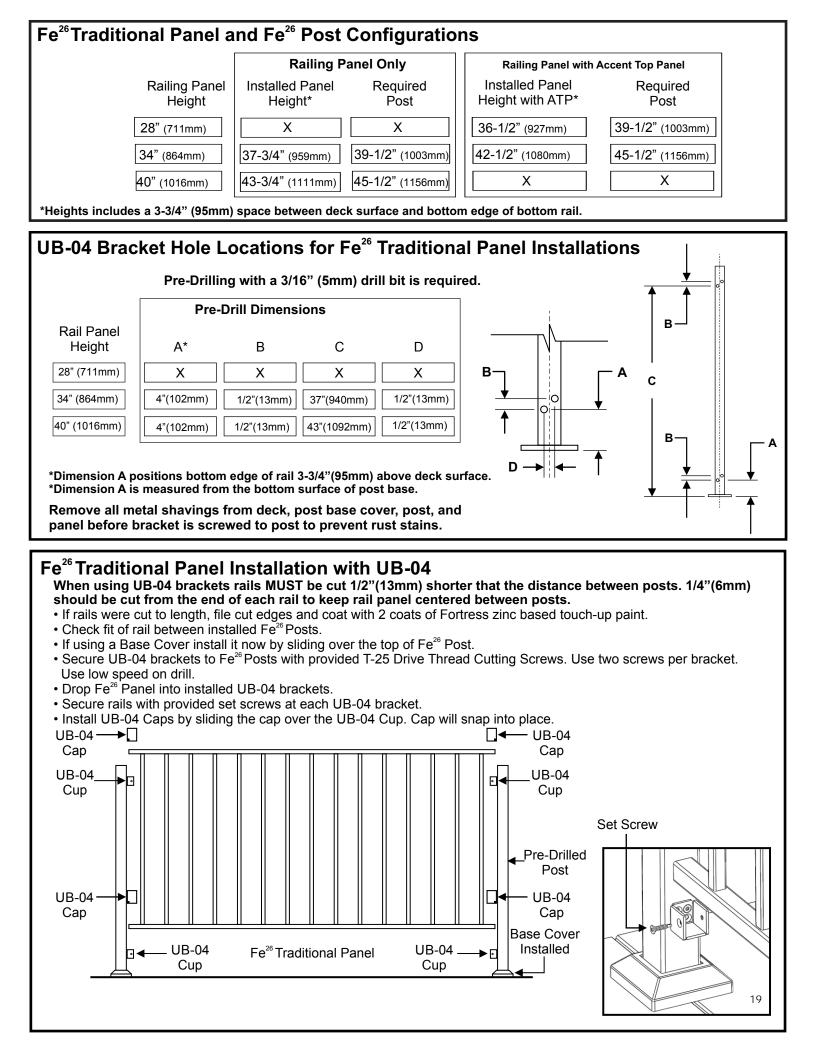




\*Reference Fortress Fe<sup>26</sup> Post mounting instructions







UB Bracket Hole Lo	UB Bracket Hole Locations for Fe <sup>26</sup> Traditional Panel Installations with Accent Top Panel						
	Pre-Drilling with a 3/16" drill bit is required.	↓ ↓ B					
Rail Panel ATP Panel	Pre-Drill Dimensions						
Height Height	A* B C D E F G						
28"(711mm) 5"(127mm)	4" (102mm) 1/2"(13mm) 5/8"(16mm) 31"(737mm) 5"(127mm) 1/2"(13mm) 5/8"(16mm)	G→ ←					
34"(864mm) 5"(127mm)	4" (102mm) 1/2"(13mm) 5/8"(16mm) 37"(940mm) 5"(127mm) 1/2"(13mm) 5/8"(16mm)						
40"(1016mm) 5"(127mm)		B → F F					
*Dimension A is meas	is bottom edge of rail 3-3/4"(95mm) above deck surface. ured from the bottom surface of post base. navings from deck, post base cover, post, and						
	t is screwed to post to prevent rust stains.						
Fe <sup>26</sup> Traditional Pa	nel with Accent Top Panel (ATP) Installation with UB-04 a	nd UB-05					
<ul> <li>should be cut from</li> <li>If rails were cut to letter of the check fit of rail between the short of the short o</li></ul>	ackets rails MUST be cut 1/2"(13mm) shorter that the distance between the end of each rail to keep rail panel centered between posts. ength, file cut edges and coat with 2 coats of Fortress zinc based touch-u ween installed posts. ver install it now by sliding over the top of $Fe^{26}$ Post. er the top rail of the $Fe^{26}$ Traditional Panel is to $Fe^{26}$ Posts with provided T-25 Drive Thread Cutting Screws. Use two sing on drill. al Panel into installed UB brackets. rovided set screws at each UB bracket. by sliding the cap over the UB Cup. Cap will snap into place.	p paint.					
UB-05 Cap UB-05 Cup	UB-05 UB-05 Cap UB-05 Cap UB-05 Cup	Set Screw					
	UB-04 Cap Base Cover Installed						
<u>UB-04</u>	Cup UB-04 Cup —						



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#### **Read Instructions Completely Before Starting Installation**

#### Note

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• Remove all metal shavings from the cut area

• File any sharp edges left by cutting. Thoroughly wipe and remove any filings, grime or dirt from the railing.

• Apply two coats of Fortress zinc based touch-up paint to the cut area. If touch up is at rail ends, allow paint to dry before connecting bracket to post.

• Be sure to remove any metal shavings from the surface of deck, patio or balcony to prevent rust on the surface.

#### **Required Materials**

UB-04, UB-04 Angle Kit, Drill, 3/16"(5mm) Drill Bit, Phillips Head Screw Driver, T-25 Driver Bit, Metal Cutting Saw, Tape Measure, Wrenches, Pencil, Speed Square, Center Punch, Support Blocks, Clamps and Hammer.

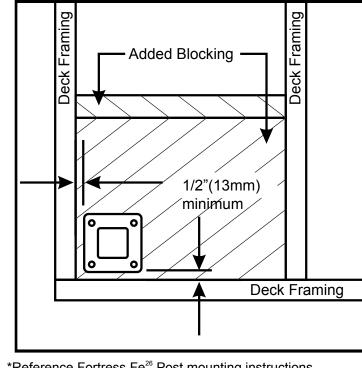
# Fe<sup>\*\*</sup> Traditional Adjustable Panel 8' (actual length 93.5' or 2375mm) Available Heights 34' (864mm) and 40' (1016mm) Maximum rake angle 45°

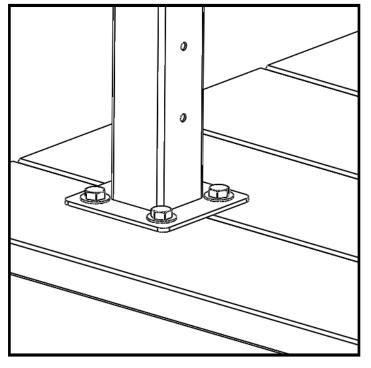
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#### Important - Every stair installation will be different. The rise and run, post position, and post height all need to be carefully laid out before posts are permanently installed and Fortress Fe<sup>26</sup> Traditional Adjustable panels are cut.

#### Mount Fe<sup>26</sup> Posts\*

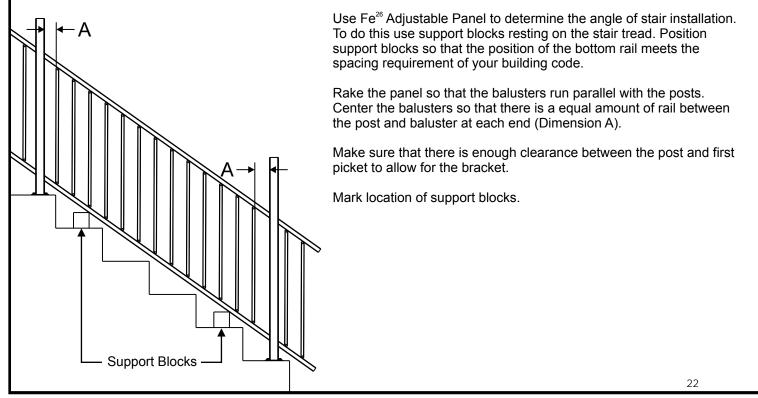
- · Wood Blocking tied to deck frame must be installed and constructed with treated dimensional lumber with a minimum thickness of 1-1/2"(38mm).
- Position the edge of Fe<sup>26</sup> Post base plate a minimum of <sup>1</sup>/<sub>2</sub>" (13mm) from the inside edge of rim joist.
- Mount Fe<sup>26</sup>Posts at appropriate points based on panel length.
- Attach Fe<sup>26</sup> Posts with 3/8" X 3-1/2"(10mm x 89mm) Hex Head Galvanized Bolts.

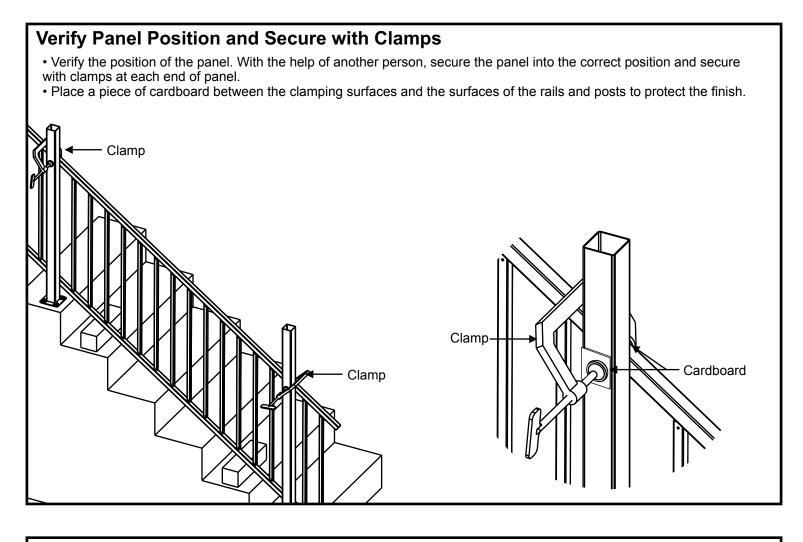




#### \*Reference Fortress Fe<sup>26</sup> Post mounting instructions

#### **Determine Rake and Center Panel Between Fe<sup>26</sup> Posts**



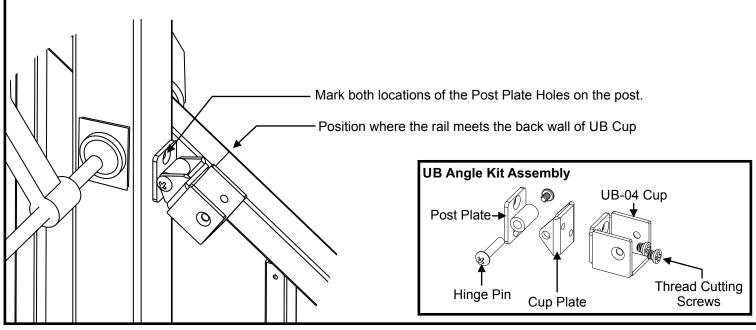


#### Assemble Universal Bracket Angle Kit Assembly and Mark Rail Length

• Assemble the Universal Bracket Angle Kit Assembly to the Universal Bracket Cup with supplied screws. Do not over tighten hinge pin, as it will be temporarily removed in a later step.

• Place Universal Bracket Angle Kit against post and position the cup so that it is parallel to the rail. With a pencil mark the position where the rail meets the back wall of the UB Cup on the top of the rail. With bracket in the same position mark the hole locations of the Post Plate on the post. **DO NOT DRILL HOLES AT THIS TIME.** 

Repeat this step for all four Universal Bracket Angle Bracket Locations.



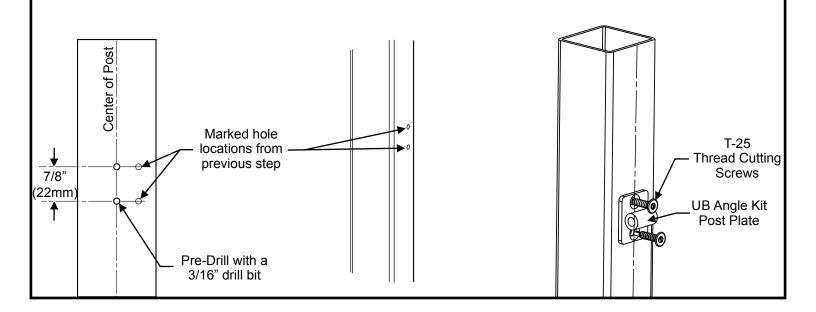
#### **Pre-Drill and Install Universal Bracket Post Plates**

• Remove c-clamps and panels.

• Mark the centerline of each post. The UB Brackets will be installed on the centerline, not the locations marked in the previous step.

- Use a center punch and hammer to mark the hole locations and pre-drill all bracket hole locations.
- Remove Hinge Pin from UB Angle Kit Assemblies.
- Attach UB Angle Kit Post Plates to post with supplied T-25 Drive Thread Cutting Screws.
- Reassemble UB Angle Kit Assemblies with Hing Pins

• Remove all metal shavings from deck, post base cover, post, and panel before bracket is screwed to post to prevent rust stains.



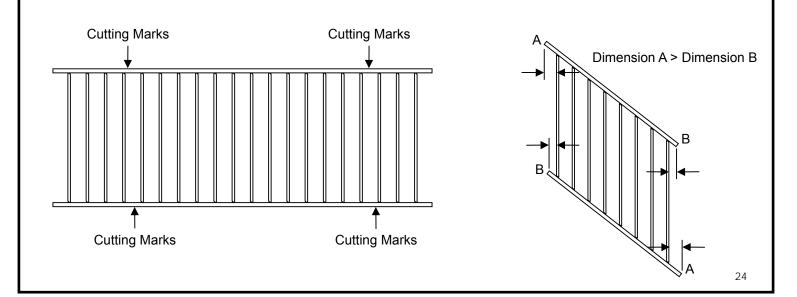
#### Cutting Fortress Fe<sup>26</sup> Railing Traditional Adjustable Panels

• Rake the panel back to 90° and lay on a flat surface.

• Using a metal cutting blade, cut the rail at the four cutting mark locations from previous step. It is advisable to make a practice cut on a scrap piece of rail before proceeding with the finish cuts.

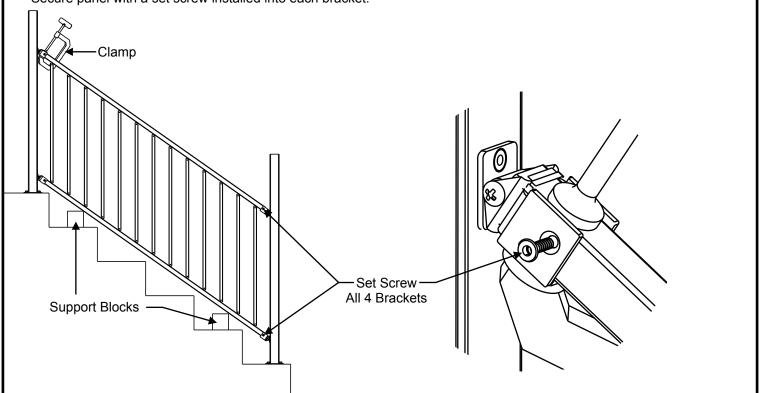
• The distances from the first picket to the ends of the rail, will be different from the top to bottom rail. The greater the angle of the steps the more visible the difference will be. This is required in order to keep balusters pickets parallel to the post.

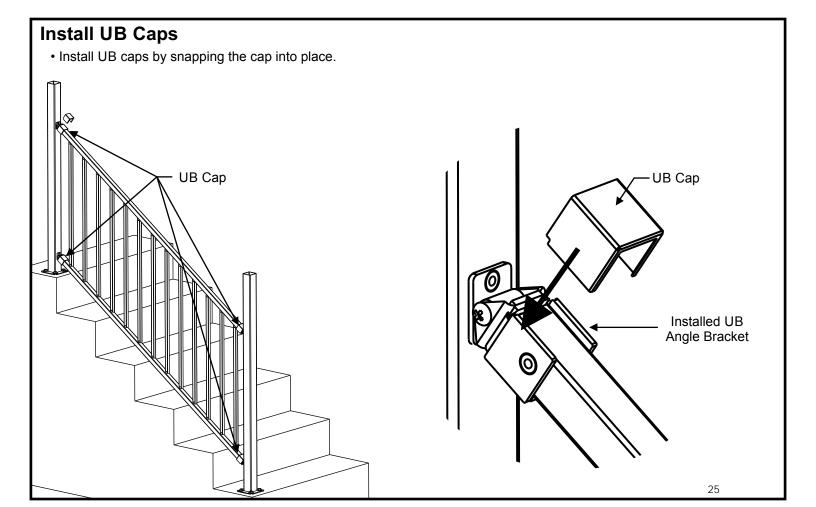
• File cut edges and coat with 2 coats of Fortress zinc based touch-up paint.



#### Install Panel

- Reposition support blocks. Position Panel so that it aligns with the brackets. Use a clamp to hold the panel in place.
- Check the fit of the panel and make any required adjustments.
  Secure panel with a set screw installed into each bracket.











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Installation Instructions for Fortress Fe<sup>26</sup> Welded Gate

It is the responsibility of the installer to meet all code and safety requirements, and to obtain all required building permits. The deck and railing installer should determine and implement appropriate installation techniques for each installation situation. The Fortress Company or its distributors shall not be held liable for improper or unsafe installations.

Fortress Fe<sup>26</sup> Posts must always be secured to the deck framing. Fortress Fe<sup>26</sup> Posts should never be attached to only the deck boards.

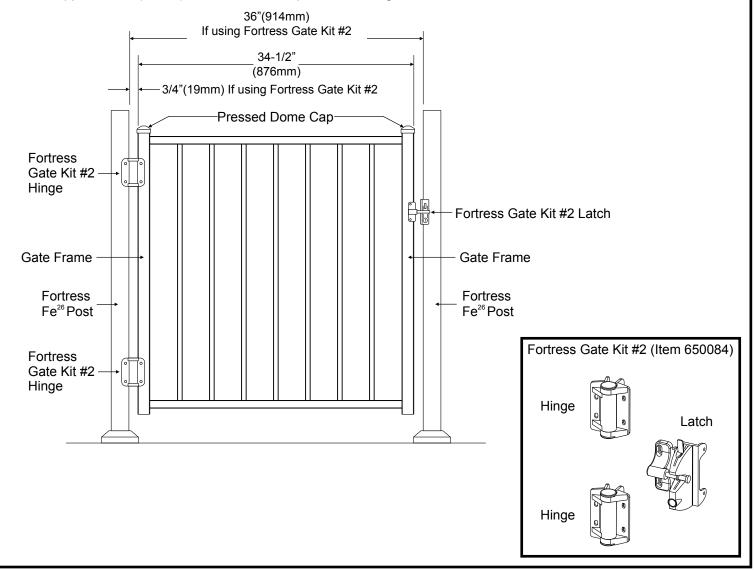
#### **Read Instructions Completely Before Starting Installation**

#### **Required Materials**

Eye Protection, Fortress Gate Kit #2 or other Hinge and Latch, Drill, Driver Bit, Tape Measure, and Pencil

#### Fortress Fe<sup>26</sup> Welded Gate

- Gate opening between posts is 36"(914mm) if using Fortress Gate Kit #2
- If using Fortress Gate Kit #2, allow 3/4"(19mm) space between gate frame and posts on each side for hinges and latch.
- Install supplied 1-1/2"(38mm) Pressed Dome Caps on installed gate.



For technical assistance, please email: technicalhelp@fortressrailing.com Hours of Operation: Monday through Friday 7:00 AM to 6:00 PM, CST Phone: 1-844-909-2999 Fax: 972-372-0924 www.fortressrailing.com **NTRESS<sup>®</sup>** Installation Instructions for Fortress Fe<sup>26</sup> Gate Uprights

3

It is the responsibility of the installer to meet all code and safety requirements, and to obtain all required building permits. The deck and railing installer should determine and implement appropriate installation techniques for each installation situation. The Fortress Company or its distributors shall not be held liable for improper or unsafe installations.

Fortress Fe<sup>26</sup> Posts must always be secured to the deck framing. Fortress Fe<sup>26</sup> Posts should never be attached to only the deck boards.

#### **Read Instructions Completely Before Starting Installation**

#### Note

When cutting Fortress railing, it is very important to complete the following at cut points. Not following the below steps will result in rust at the cut areas:

- Remove all metal shavings from the cut area
- File any sharp edges left by cutting. Thoroughly wipe and remove any filings, grime or dirt from the railing.
- Apply two coats of Fortress zinc based touch-up paint to the cut area. Allow paint to dry.
- Be sure to remove any metal shavings from the surface of deck, patio or balcony to prevent rust on the surface.

#### **Required Materials**

AILING PRODUCTS

Eye Protection, Drill, 10mm Driver Bit, Metal Cutting Saw, File, Tape Measure, Pencil, Touch Up Paint and Rubber Mallet.

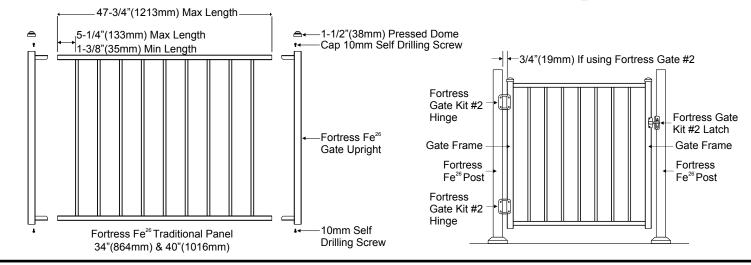
#### Fortress Fe<sup>26</sup> Gate Upright Assembly

- Maximum gate width is 48"(1219mm)
- If using Fortress Gate Kit #2, allow 3/4"(19mm) space between Fe26Gate Uprights and posts on each side for hinges and latch.
- Max spacing between the Fortress Fe<sup>26</sup>Gate Upright and the first
- baluster on each side of gate is 3-7/8"(98mm).

Determine the required length of panel between Fortress Fe<sup>26</sup> Gate Uprights add 1-3/8" (35mm) to each end of rails. The extra rail length is used to secure the panel to the Fortress Fe<sup>26</sup> Gate Uprights. Balusters may need to be removed.
Align Fortress Fe<sup>26</sup> Traditional Panel top and bottom rails with Fortress Fe<sup>26</sup> Gate Uprights. Using a rubber mallet drive Fortress Fe<sup>26</sup> Gate Uprights into the rails.

• Using a drill and 10mm driver bit install 1-10mm self drilling screw into each corner. Install the screw inside of the Fortress Fe<sup>26</sup> Gate Upright so that all screws are hidden.

• Install supplied 1-1/2"(38mm) Pressed Dome Caps on installed gate.



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# Fe<sup>26</sup> | IRON RAILING SIMPLIFIED

# **ACCENT TOP RAIL**



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#### Installation Instructions for Fortress Fe26 Accent Top Rail (ATR) on Traditional Panels with Universal Brackets and Fe26 Posts

It is the responsibility of the installer to meet all code and safety requirements, and to obtain all required building permits. The deck and railing installer should determine and implement appropriate installation techniques for each installation situation . The Fortress Company or its distributors shall not be held liable for improper or unsafe installations.

Fortress Posts must always be secured to the deck framing. Fortress Posts should never be attached to only the deck boards.

#### Note

When cutting Fortress railing, it is very important to complete the following at the cut points. Not following the below steps will result in rust at the cut areas:

- Remove all metal shavings from the cut area
- File any sharp edges left by cutting. Thoroughly wipe and remove any filings, grime or dirt from the railing.
- Apply two coats of Fortress zinc based touch-up paint to the cut area. If touch up is at rail ends, allow paint to dry before connecting bracket to post.
- Be sure to remove any metal shavings from the surface of deck, patio or balcony to prevent damaging the deck surface.

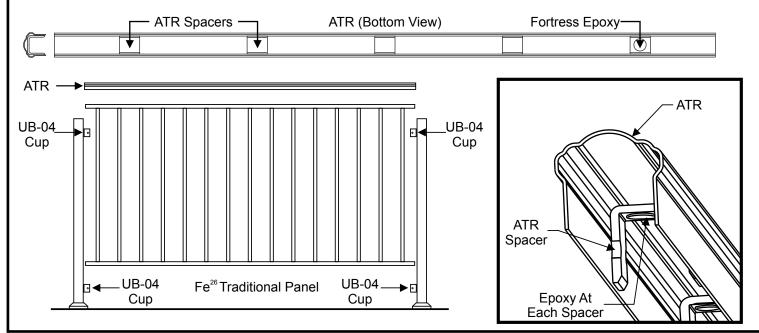
#### **Required Materials**

Saw with a ferrous metal blade, Tape Measure, Touch Up Pain, File, Caulking Gun, Fortress Epoxy, and Eye Protection

#### Fe<sup>26</sup> Accent Top Rail (ATR) Installation

Fortress Fe<sup>26</sup> ATR can only be installed on Fortress Fe<sup>26</sup> Traditional Panels installed with UB-04 Brackets.

- Install Fe<sup>26</sup> Traditional Panel with UB-04.
- Remove the UB-04 Caps from the top rail.
- Measure the distance between posts.
- Cut an equal distance from each end of ATR so that ATR Spacers are evenly spaced.
- Check the fit of ATR onto installed Fe<sup>26</sup> Traditional Panel.
- File any rough edges from cuts and apply zinc based touch up paint.
- Do not apply epoxy until all ATR's are cut and tested to fit. Fortress Epoxy has a short working time.
- Apply a quarter sized drop of Fortress Epoxy to each ATR Spacer. Follow cure times specified on epoxy packaging.
- Install ATR onto rails. Ensure that ATR is installed level with panel top rail.
- Let Fortress Epoxy cure. Do not apply any force to installed ATR for 2 hours.



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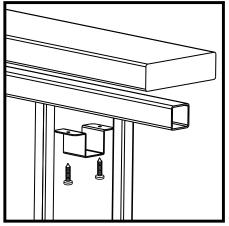
CAP RAIL CLIP



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It is the responsibility of the installer to meet all code and safety requirements, and to obtain all required building permits. The deck and railing installer should determine and implement appropriate installation techniques for each installation situation . The Fortress Company nor its distributors shall not be held liable for improper or unsafe installations.



- The Cap Rail Clip is not intended for structural use
- Not designed for use with Fortress Fe<sup>26</sup> Ring Top Accent Top Panel
- Minimum thickness of wood top rail is 3/4"(19mm)
- Maximum recommended wood top rail width is 5-1/2"(140mm)
- If the wood top rail is to be stained, complete staining before installation
- 1. Cut the wood top rail to the required length.
- 2. Center wood top rail on Fe<sup>26</sup> Traditional Railing Traditional Panel and clamp.

3. Position a Cap Rail Clip a maximum of 6"(152mm) from the post at each end of wood top rail and mark the screw hole locations on the wood top rail.

4. Space remaining Cap Rail Clips a maximum of 28"(711mm) on center along the wood top rail and mark the screw hole locations on the wood top rail.

5. Remove the wood top rail and pre-drill at marked screw locations with a 1/16"(2mm) drill bit.

6. Reposition wood top rail and secure Cap Rail Clip with supplied screws using a T-20 bit.

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