

ALUMINUM & VINYL AFCO-RAIL



STRUCTL





JRE STYLE



A gentle breeze. The fragrance of freshmowed grass. Dappled sunlight through the trees, chirping birds and that first sip of morning coffee. The vantage point from your deck or porch is a feast for the senses. Your dream deck or porch is within reach. If you can imagine it, AFCO-Rail can help you bring it to life.

ALUMINUM AFCO-RAIL







VINYL AFCO-RAIL







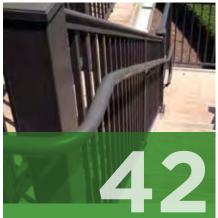
CONTENTS







ADA -



ADA-COMPLIANT HANDRAIL

WRAPS -



STRUCTURE STYLE 5



"Carefree" is the goal of your outdoor living space. Aluminum AFCO-Rail can help you meet your "carefree" goal with a virtually maintenance-free product that comes with a limited lifetime structural warranty.

The robust Aluminum AFCO-Rail system is made of extruded aluminum that will never rust and exceeds IBC and IRC requirements to provide the *Structure* you need.

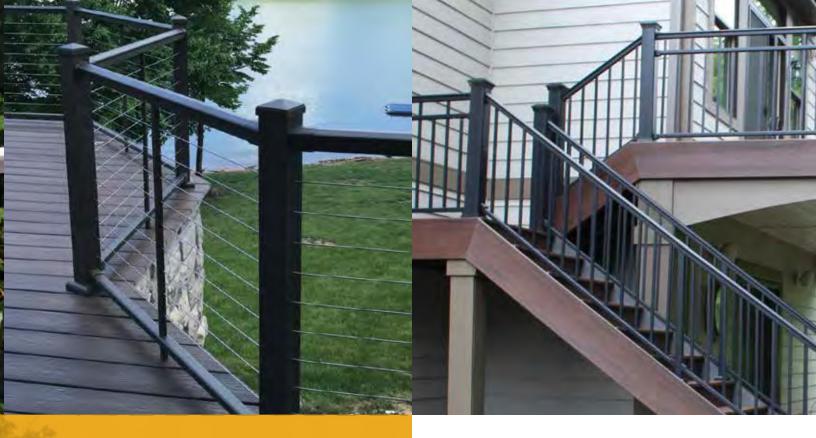
With seven durable, AAMA-2604 powdercoat paint finishes available for all its unique series, Aluminum AFCO-Rail can give your space the *Style* you want.



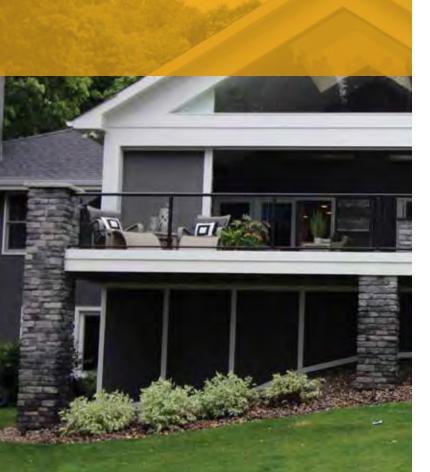
AVAILABLE IN SEVEN BEAUTIFUL FINISHES THAT NEVER NEED REPAINTING

GLOSS
WHITE
CLAY
WICKER
TEXTURED
WHITE
BLACK
BROWN
BRONZE





Traditional rail styling with the strength and durability of aluminum



Traditional "breadloaf" shaped top rail design provides a more robust aesthetic than other metal rail systems.

Infill options include round and square balusters that can be color differentiated from the rails.

Factory installed baluster connectors and unique bracket designs make installation a breeze.



Traditional rail styling with the strength and durability of aluminum

Features traditional "breadloaf" top rail design.

Factory installed baluster connectors.



The designed solution for screen enclosed outdoor living

Features same angular profile for top and bottom rail.

Allows for a flush mount of the rail against a screen panel.

Rail Kit

- Breadloaf Top Rail
- Bottom Rail
- Top and Bottom Mounting Brackets
 Support Block Material
- Mounting Hardware



Infill Options

Infill Options

Installed Rail Height

• Packaged in Exact Counts for Each Rail Length

3/4" Round or Square Baluster
Cut to Length for 36" or 42"

- 3/4" Round or Square Baluster
- Cut to Length for 36" or 42" Installed Rail Height
- Packaged in Exact Counts
 for Each Dail Longth



Style	Length		Heig	ght	Baluster Style			
	4′	6´	8´	10´	36″	42″	Square	Round
Level	•	۰		٠	0	۰	0	0
Fixed Stair	•	۰	٠	٠	۰	۰	0	•
Adjustable Stair	•		٠		•	•	٥	0

Style Options





Fixed Stair Accommodates 32 to 36



Adjustable Stair

Baluster mount toggles and pivoting brackets accommodate 0 to 38 degrees

SERIES 110

Rail Kit

- Top and Bottom Rail (same profile)
- Top and Bottom Rail Mounting Brackets
- Support Block Material



Style	Length	Height	Baluster Style		
	4´ 6´ 8´ 10´	36″ 42″	Square Round		
Level	0	• •	• •		

Style Options



Three rail design provides distinctive style to your outdoor space.

Features a third mid-rail just below the top rail.

Allows for different configurations of the short balusters between the top and the mid-rail.



Rail Kit

• Used in Conjunction with a Compatible Series 100 Rail Kit

Infill Options

- Series 125 Kit Available in Four Different Configurations A, B, C or D
- Series 125 Kit Includes:
 - Mid-Rail
 - Mid-Rail Mounting Brackets
 - Mounting Hardware
 - Exact Count of Long and Short Balusters Based on Configuration
- 3/4" Round or Square Baluster
- Cut to Length for 36" or 42" Installed



Style A







Style D

Style Options





Fixed Stair Accommodates 32 to 36 degrees

Style	Length		Heig	ght	Balust	Baluster Style		Configuration					
	4´	6´	8´	10 <i>′</i>	36″	42″	Square	Round		4	В	С	D
Level	0	۰		٠	٠	٠	0	•		•	٠	٠	•
Fixed Stair	٠	۰	•		•	٠	۰	٠		•	•	•	•



Offering a clear view of your scenic surroundings

Glass glazing channel extruded into "breadloaf" shaped top rail and bottom rail.

Channel inserts fill the glazing channel gap between glass panel edge and post.



Rail Kit

- Breadloaf Top Rail with Glazing Channel
- Bottom Rail with Glazing Channel
- Vinyl Glazing Gaskets
- Glazing Channel Inserts
- Top and Bottom Rail Mounting Brackets
- Support Block MaterialMounting Hardware
- Installation Support Foam Blocks



Style		Ler	1	Height			
	4′	6´	8´	10 <i>′</i>	36″	42″	
Level		٠			٠	•	

Infill Options

- Requires one locally sourced, ¼ thick tempered glass panel (not included).
- Glass sizing information, based on cut down rail panel length, is provided in the installation instructions or by contacting AFCO Customer Service.

Style Options







The modern look of cable in the AFCO-Rail aesthetic

Combines the "breadloaf" shaped top rail of Series 100 with horizontal stainless steel cable.

Pre-drilled 3" aluminum posts available for both Line and Corner applications.

Slotted Cable Stair Post Intermediate post slotted holes for cable stair run

Rail Kit

- Breadloaf Top Rail with Stabilizer Baluster Connector Attached
- Bottom Rail with Stabilizer Baluster Connector Attached
- Pre-Drilled Stabilizer Baluster
- Top and Bottom Rail Mounting Brackets
- Support Block Material



Infill Options

Corner

Fitting

- 1/8" Braided 316 Stainless Steel Cable with 2-3/4" pre-swaged threaded stud and mounting hardware.
- Terminating fittings, for both Line and Corner run applications, packaged separately.

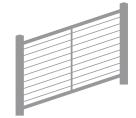


- Line Posts pre-drilled on opposing sides for cable runs.
- Corner Posts pre-drilled on opposing sides for cable runs and threaded on middle side for corner fitting.

Style Options







Fixed Stair Accommodates 32 to 36 degrees

Rail Style						(Cable	Leng	ıth		Post Style	Не	Height			
	4′	6´	8´	10 <i>′</i>	36″	42″		5´	10 <i>′</i>	15 <i>′</i>	20´	30´	50'		38"	44"
Level		٠			۰	•		٠	0	•	٠	0	٠	Line	٠	•
Fixed Stair		•			۰	•								Corner	۰	٠

Line

Fitting



Flat top design is perfect for resting a cool drink on a warm day.

Unique top rail profile can accommodate a deck board, wood or composite, mounted on top to draw the color of the decking into the rail.

Series 200 can be used as is for a low profile look.

Flat surface is perfect for decorating or entertaining on your deck.



Rail Kit

- Flat Top Rail
- Bottom Rail
- Top and Bottom Mounting Brackets • Support Block Material
- Mounting Hardware



Infill Options

- 3/4" Round or Square Baluster
 Cut to Length for 36" or 42"
- Installed Rail Height
- Packaged in Exact Counts



Style		Ler	ngth	1	Heig	ght	Baluster Style		
	4΄	6´	8´	10 <i>′</i>	36″	42″	Square	Round	
Level	۰	۰		۰	•	٠	0	۰	
Fixed Stair	0						•	٠	

Style Options





Fixed Stair Accommodates 32 to 36

degrees



Three rail design combined with flat top rail aesthetics

Features a third mid-rail just below the top rail.

Allows for different configurations of the short balusters between the top and the mid-rail.

SERIES 275

A sleek cable look in the Series 200 design

Combines the flat top rail of Series 200 with horizontal stainless steel cable.

Pre-drilled 3" aluminum posts available for both Line and Corner applications

Slotted Cable Stair Post

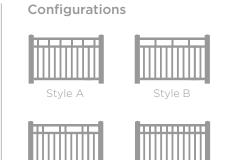
Intermediate post slotted holes for cable stair run 0

Rail Kit

• Used in Conjunction with a Compatible Series 200 Rail Kit

Infill Options

- Series 225 Kit Available in Four Different Configurations A, B, C or D
- Series 225 Kit Includes:
 - Mid-Rail
 - Mid-Rail Mounting Brackets
 - Mounting Hardware
 - Exact Count of Long and Short
- 3/4″ Round or Square Baluster
- Cut to Length for 36" or 42" Installed



Style D

Style Options





Fixed Stair Accommodates 32 to 36

Rail Height															
Style		Length		า	Height		Balust	Baluster Style			Configuration				
	4΄	6´	8´	10 <i>´</i>	36″	42″	Square	Round	А	В	С	D			
Level	٠	٠	٠	۰	0	٠	0	0	٠	•	٠				
Fixed Stair	•				٠	٠	۰	•	•	•	٠	•			

Style C

SERIES 275

Rail Kit

- Flat Top Rail with Stabilizer Baluster Connector Attached
- Bottom Rail with Stabilizer Baluster
- Pre-Drilled Stabilizer Baluster
- Top and Bottom Rail Mounting Brackets
- Support Block Material
- Mounting Hardware

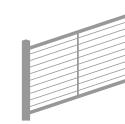


Infill Options

- 1/8" Braided 316 Stainless Steel Cable with 2-3/4" pre-swaged threaded stud and mounting hardware.
- Terminating fittings, for both Line and Corner run applications, packaged separately.







Post Options

for cable runs.

Style Options

• Line Posts pre-drilled on opposing sides

• Corner Posts pre-drilled on opposing

middle side for corner fitting.

sides for cable runs and threaded on

Fixed Stair Accommodates 32 to 36

R	а	i	L

Style		Ler	ngth	ı	Heig	ht
	4′	6´	8´	10 <i>′</i>	36″	42″
Level		٠			٠	•
Fixed Stair		•			•	•

Cable Length 10´ 15´ 20´ 30´ 5´ 50' • • • • . .

Line

Post Style		ght
	38"	44"
Line	•	•
Corner	٠	•

Level

Tension fit baluster connection ideal for commercial-grade projects.

Square balusters snap into top and bottom rail for a solid tension fit.

Traditional "breadloaf" shaped top rail design provides a more robust aesthetic than other metal rail systems.

Speed of assembly, the ease of stair angle accommodation and the unprecedented strength make the Series 300 the perfect rail for both commercial and residential projects. **Tension Fit Balusters** Rail internal fins provide tension against the baluster.

Rail Kit

- Breadloaf Top Rail
- Bottom Rail
- Top and Bottom Mounting BracketsSupport Block Material
- Support Block Mater
 Mounting Hardware



Infill Options

- 3/4" Square Baluster Cut to Length for 36" or 42"
- Installed Rail Height • Packaged in Exact Counts
- for Each Rail Length



Style		Length			Heig	ght	Baluster Style		
	4′	6´	8´	10 <i>′</i>	36″	42″	Square	Round	
Level	•	۰	٠	٠	•	•	•		
Fixed Stair	•	٠	•	٠	•	٠	٠		
Adjustable Stair	٠	•			•	•	•		

PANELS -

Rail Panels

- Tension Fit Top Rail
- Tension Fit Bottom Rail
- pre-assembled with 3/4" Square Baluters
- Does not include Bracket Kit
- Must be purchesed in full Unit Quantities per Item Code

Style	Length		ı	Heig	ght	Baluster Style		
	4´	6´	8´	10 <i>´</i>	36″	42″	Square	Round
Level		•	٠		۰	٠	۰	
Stair		•	٠		۰	٠	۰	

Style Options

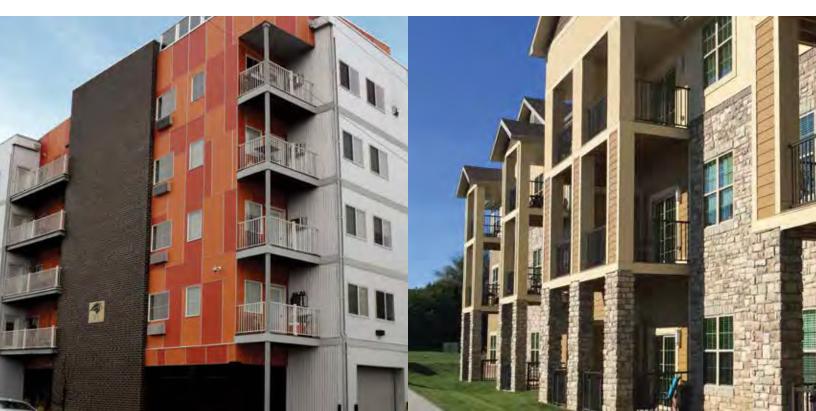




Fixed Stair Accommodates 32 to 36 degrees



Adjustable Stair Pivoting balusters and brackets accommodate 0 to 40 degrees





Combining tension fit baluster connection with a sleek cable look.

Traditional "breadloaf" shaped top rail design provides a more robust aesthetic than other metal rail systems.

Pre-drilled 3" aluminum posts available for both Line and Corner applications.

Speed of assembly, the ease of stair angle accommodation and the unprecedented strength make the Series 300 the perfect rail for both commercial and residential projects.

Slotted Cable Stair Post Intermediate post slotted holes for cable stair run



Rail Kit

- Breadloaf Top Rail with Stabilizer Baluster Connector Attached
- Bottom Rail with Stabilizer Baluster Connector Attached
- Pre-Drilled Stabilizer Baluster
- Top and Bottom Rail Mounting Brackets
- Support Block Material



Infill Options

Corner

Fitting

- 1/8" Braided 316 Stainless Steel Cable with 2-3/4" pre-swaged threaded stud and mounting hardware.
- Terminating fittings, for both Line and Corner run applications, packaged separately.



Post Options

- Line Posts pre-drilled on opposing sides for cable runs.
- Corner Posts pre-drilled on opposing sides for cable runs and threaded on middle side for corner fitting.

Style Options







Fixed Stair Accommodates 32 to 36 degrees

Rail Style		Ler	ngth	ı	Hei	ght		(Cable	Leng	yth		Post Style	Hei	ight
	4΄	6´	8´	10 <i>′</i>	36″	42″	5´	10 <i>′</i>	15 <i>′</i>	20´	30´	50'		38"	44"
Level		٠			۰	٠	•	۰	•	•	٠	•	Line	٠	•
Fixed Stair		٠			٠	٠							Corner	•	٠

Line Fitting



Flat top rail design meets tension fit baluster connections.

Unique top rail profile can accommodate a deck board, wood or composite, mounted on top to draw the color of the decking into the

Series 400 can be used as is for a low profile look.

Flat surface is perfect for decorating or entertaining on your deck.

Tension Fit Balusters Rail internal fins provide tension against the baluster.



Rail Kit

Style

Level

Fixed Stair

- Flat Top Rail
- Bottom Rail
- Top and Bottom Mounting Brackets
- Support Block Material



4′

Length

6′ 8′ 10′

Infill Options

Height

36″ 42″

- 3/4" Round or Square Baluster
- Cut to Length for 36" or 42"
 Installed Rail Height
- Packaged in Exact Counts



Square

•

Baluster Style

Round

•

Style Options





Fixed Stair Accommodates 32 to 36

PA	Ν	Е	LS
1 / 1	I N		

Rail Panels

- Tension Fit Top Rail
- Tension Fit Bottom Rail
- pre-assembled with 3/4" Square Baluters
- Does not include Bracket Kit
- Must be purchesed in full Unit Quantities per Item Code

Style	Length		Heig	ght	Baluster Style			
	4′	6´	8´	10 <i>′</i>	36″	42″	Square	Round
Level		•	٠		٠	0	۰	
Stair		٠	٠		٠	0	0	





A sleek cable look combined with a flat top rail design.

Unique top rail profile can accommodate a deck board, wood or composite, mounted on top to draw the color of the decking into the rail.

Series 400 can be used as is for a low profile look.

Combines the flat top rail of Series 400 with horizontal stainless steel cable.

Pre-drilled 3" aluminum posts available for both Line and Corner applications

Slotted Cable Stair Post Intermediate post slotted holes for cable stair run

Rail Kit

- Flat Top Rail with Stabilizer Baluster Connector Attached
- Bottom Rail with Stabilizer Baluster Connector Attached
- Pre-Drilled Stabilizer Baluster
- Top and Bottom Rail Mounting Brackets
- Support Block Material



Infill Options

- 1/8" Braided 316 Stainless Steel Cable with 2-3/4" pre-swaged threaded stud and mounting hardware.
- Terminating fittings, for both Line and Corner run applications, packaged separately.





Corner Fitting



Post Options

- Line Posts pre-drilled on opposing sides for cable runs.
- Corner Posts pre-drilled on opposing sides for cable runs and threaded on middle side for corner fitting.

Style Options



Fixed Stair Accommodates 32 to 36 degrees

Rail Style		Ler	ngth	ı	Hei	ght		(Cable	Leng	ıth		Post Style	Hei	ght
	4′	6´	8´	10 <i>′</i>	36″	42″	5´	10 <i>′</i>	15 <i>′</i>	20´	30´	50'		38"	44"
Level		٠			0	۰		•	•	٠	•	٠	Line	•	•
Fixed Stair		٠			٠	•							Corner	٠	۰



BRACKETRY

For your unique outdoor space, Aluminum AFCO-Rail has unique Bracket solutions.

Beyond standard configurations, Aluminum AFCO-Rail offers pre-cut angled brackets in common mounting angles, as well as the 4[°] Site Cut Bracket and Horizontal Angle Pivots for more unique needs.

Round Column Bracket Adapters allow you to attach any Aluminum AFCO-Rail Series to commonsized AFCO Round Fluted Aluminum Columns or AFCO Pro-Cast Round Smooth Tapered Fiberglass Columns.

Adjustable OTP Stair Bracket

he simple solution to unique or unknown stair rail installation angles is the new Adjustable Over The Post Stair Bracket. Provides a range of motion up to 40° degrees while mounted on a 3″ Post.

30 STRUCTURE STYLE

SERIES 100 / 300

Level Brackets



Stair Brackets Fixed 32°-36°



Wall Return Brackets







Adjustable 0°-40°

SERIES 200 / 400 Level Brackets

Stair Brackets

Fixed 32°-36°





Site Cut Bracket*



Site Cut Bracket**



* 45-Degree bracket will require 4" Post or wider. Depending on field cut angle,

the Site Cut Bracket may require a 4" Post or wider.

** Series 200 22.5 and 45-Degree brackets will require 4" Post or wider.

Horizontal Pivot 0°-45°







SERIES 110 -----

Level Brackets

Level



Round Column Bracket Adapters

Bottom

COLUMN -

Smooth Fiberglass 8″ and 10″

Fluted Aluminum 6", 8" and 10"







POSTS

With various aesthetic styles and mounting configurations, Aluminum AFCO-Rail Posts are the definition of Structure & Style.

Post-to-Post products offer a traditional style in which the top rail runs directly into the face of the post.

Over-the-Post products feature top rail bracketry mounted to the top of the post, giving the appearance of a continuous top rail run.

All Aluminum AFCO-Rail posts are surface mounting; either on the flooring surface, or, with the Fascia Mount Post, on the outer face of the deck or porch.

The 6" Newell Post can give your outdoor space a more grand appearance. It can either sleeve over a 4" X 4" wood post or be surface mounted using AFCO's uniquely designed brackets.

4" Aluminum Post Sleeve

Designed to slide over a nominal 4" X 4" structural wood post and maintain the Aluminum AFCO-Rail aesthetic.

POST-TO-POST INSTALLATION



OVER-THE-POST INSTALLATION

Surface Mount





Line

Post Width Rail Height

1-7/8″

3″

36″

42″

Surface Mount 90°45°End Fixed Stair

Fixed Stair

Fascia Mount Line Fixed Stair

Fascia Mount

Fixed Stair

Line

Fascia Mount





AFCO-Tool

- Makes an easy installation even easier.
- This optional tool overlaps both the 3[°] and 4[°] Posts.
- Provides pre-drill positioning for all precut bracket configurations.
- Works with all Aluminum AFCO-Rail Series.



Optional Post Mount Plate

For use under decking structure for through-bolt post installations

Optional Post Mount Plate

For secure access onto your deck, Aluminum

GATES

AFCO-Rail has a gate to fit any requirement

The Fixed Gate is a pre-assembled, all-aluminum welded gate available in common gate sizes.

For custom width gate needs, the Adjustable Gate Kit can be paired with a section of 100, 125, or 300 Level Rail to create any width up to 4'.



34 STRUCTURE STYLE

FIXED GATE



Baluster	Nomina	al Gate Siz	ze (Width)	(Height)
Style	36″ x 36″	36″ x 42″	42″ x 36″	42″ x 42″
Round	•	0	•	•
Square	۰	۰		۰

Optional Accessories

Spring-loaded, self-closing hinges



Keyed gate latch



Top pull safety latch

ADJUSTABLE GATE -





VINL AFCO-RAIL



Your home's front porch is its greeting. It's where you sit with your family and wave to the neighbors passing by. It's where you greet visitors and give your goodbyes when they depart. Nothing speaks to the hospitality of your home like your front porch.

You want your home's front porch to convey the warmest of welcomes. The traditional aesthetic *Style* of the Vinyl AFCO-Rail system can help create your home's warm greetings while providing the strength in *Structure* to ensure that all who visit are protected.

Vinyl AFCO-Rail is available in several sizes and styles to suit your front porch's specific requirements, and in a traditional White finish which calls to the classic elements of a home's greeting.

Come right in. We're glad to have you.





VINYL AFCO-RAIL

Maintenance-free vinyl offers value in traditional handrail styles.

Classic "Breadloaf" Top Rail Design

Unique Pultruded Fiberglass Top Rail Structural Insert does not require a metal cutting blade to trim the product in the field nor will it rust over time like other structural inserts.

Collar Style Brackets provide easy, forgiving rail installation.

Snap-in Balusters makes rail panel assembly a breeze.

RAIL

Rail Kit

- Breadloaf Top Rail
- Bottom Rail
- Top and Bottom Mounting Brackets
- Support Block MaterialMounting Hardware

Infill Options

- Square Baluster
- Cut to Length for 36" or 42"Installed
- Rail Height
- Packaged in Exact Counts with each Rail Kit

Style Options





Stair Accommodates 0 to 36 degrees, includes rails, balusters and brackets

Style	Rail Height	Rail Lengths					
	Baluster Style	6'	8'	10'			
	36" Square	۰	•	•			
Level	42" Square	0	۰	۰			
	36" Square	0	•				
Stair	42" Square						

GATES



Optional Accessories

- Spring-loaded, self-closing hinges
- Keyed gate latch
- Top pull safety latch

Baluster	Gate Siz	e (Width x	Height)
Style	36″ x 36″	36″ x 42″	42″ x 42″
Square	•	٠	•

BRACKETRY -

Level Brackets

Leve



Stair Brackets

0°-36°



Fluted Aluminum

Тор

Column

Smooth Fiberglass

	Bracket Kit	Bracket Adapters Round Smooth Fiberglass Column	Rou Alumir	nd Flu	ited olumn
Level	٠	0	٠	•	٠
Stair	•				

POSTS



Surface Mount Post Wrap

POSTS

Post Width	Post Style	Post Height 38″ 44″ 108″
4"	Surface Mount	• •

Surface Mount Post includes structural Aluminum Insert, Vinyl Square Post Sleeve, Post Cap and Post Base Trim

POSTS WRAPS AND SLEEVES

Post Width	Post Style	Po: 38″	st Hei 44″	ght 108″
<i>A</i> "	Post Sleeve			٠
4	Post Wrap			٠
6″	Post Wrap			٠

Post Sleeve includes structural Vinyl Square Post Sleeve, Cap and Post Base Trim

Post Wrap includes four Vinyl Post Wrap sides, to snap around nominal wood square post of noted width, and Cap and Base Trim Set.

ADA-COMPLIANT HANDRAIL

A secure grasp for any walkway.

1-1/2" extruded aluminum tubular secondary handrail

Meets Type I Graspability requirements.

Runs parallel to any AFCO-Rail system.

Various components to meet any mounting configuration need.

Internal connector joins components together.

Available in all seven Aluminum AFCO-Rail finishes.

Handrail



Lengths 6′ 8′ 10′

ADA Bracket

Mounting Brackets

ADA Bracket On-Center Spacing 2-1/4″ 2-1/2″ 3″



Inside Corner Bracket (2-1/2" Spacing Only)

Elbows



Elbow Angles

34°

38°

90°

32°

Additional Components



Plug



Rail





42 STRUCTURE STYLE

5

30°

DECK POST WRAP

Aesthetically coordinates the support posts under your deck with the railing on top of it.

Similar to AFCO Aluminum Columns, Deck Post Wraps use extruded aluminum interlocking panels to wrap the structural posts under your deck.

Includes a split cap and base trim for a finished look.

Available in all seven Aluminum AFCO-Rail finishes.

Deck Post Wrap		Le	ngth		Support Wrapping*			
Nominal Width	8´	9´	10 <i>′</i>	12′	Largest Round Support	Largest Square Support		
6″	٠	•	•	•	5″	4-1/2″		
8″	٠	۰	•	•	6″	5-1/2″		

*The largest size of existing support post that the Deck Post Wrap will wrap around.



Before



After



AFCO Industries, Inc.

One of the most respected names in the building materials industry since 1946, AFCO Industries operates four US manufacturing facilities specializing in Aluminum, Fiberglass and Vinyl production. AFCO, a 100% Employee-Owned ESOP corporation, is the only vertically integrated manufacturer of Aluminum and Fiberglass Columns and Railing systems in the country, as well as being an OEM producer. Trust AFCO's 70 years of American manufacturing experience for your project's column and railing needs.



afcocolumnsandrailings.com

pinterest.com/AFCOColsRails



fb.com/AFCOColsRails



🕅 @AFCOColsrails



VER.1024