AFCO
Columns and Railings

ALUMINUM & VINYL
AFCO-RAIL

STRUCTURE & STYLE

STRUCTURE & STYLE

A gentle breeze. The fragrance of fresh-mowed 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.

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ALUMINUM AFCO-RAIL

"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 powder-coat 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**

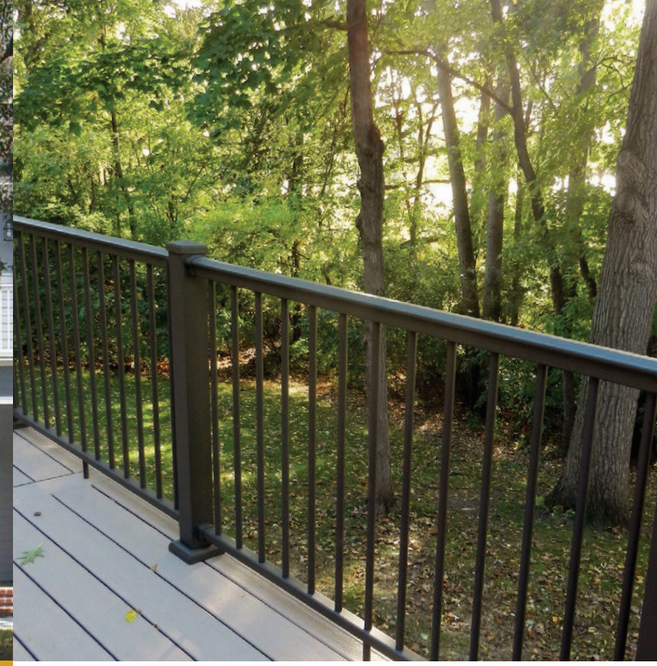
GLOSS

- WHITE
- CLAY
- WICKER

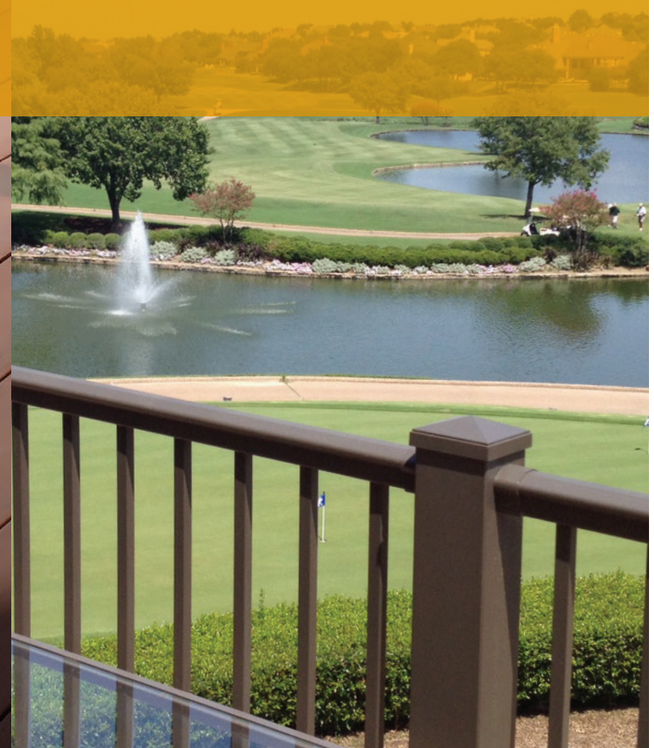
TEXTURED

- WHITE
- BLACK
- BRONZE
- BROWN

SERIES 100



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.

AFCO RAIL SYSTEMS ALUMINUM

SERIES **110**

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.

SERIES **125**

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.

SERIES **100**

Rail Kit

- Breadloaf 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 for Each Rail Length

Style Options

Level

Fixed Stair
Accommodates 32 to 36 degrees, includes rails, balusters and brackets

Adjustable Stair
Baluster mount toggles and pivoting brackets accommodate 0 to 38 degrees

Style	Length				Height		Baluster Style	
	4′	6′	8′	10′	36″	42″	Square	Round
Level	•	•	•	•	•	•	•	•
Fixed Stair	•	•	•	•	•	•	•	•
Adjustable Stair	•	•	•		•	•	•	•

SERIES **110**

Rail Kit

- Top and Bottom Rail (same profile)
- Top and Bottom Rail 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 for Each Rail Length

Style Options

Level

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

SERIES **125**

Rail Kit

- Used in Conjunction with a Comparable 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 Rail Height

Configurations

Style A

Style B

Style C

Style D

Style Options

Level

Fixed Stair
Accommodates 32 to 36 degrees, includes rails, balusters and brackets

Style	Length				Height		Baluster Style		Configuration			
	4′	6′	8′	10′	36″	42″	Square	Round	A	B	C	D
Level	•	•	•	•	•	•	•	•	•	•	•	•
Fixed Stair	•	•	•		•	•	•	•	•	•	•	•

SERIES 200

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.

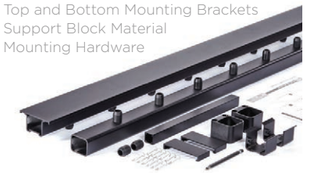
Series 200 can be used as is for a low profile look.

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

SERIES 200

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 for Each Rail Length

Style Options

Level

Fixed Stair
Accommodates 32 to 36 degrees, includes rails, balusters and brackets

Style	Length				Height		Baluster Style	
	4′	6′	8′	10′	36″	42″	Square	Round
Level	•	•	•	•	•	•	•	•
Fixed Stair	•	•	•	•	•	•	•	•

SERIES 225

Rail Kit

- Used in Conjunction with a Comparable 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 Balusters Based on Configuration
- 3/4″ Round or Square Baluster
- Cut to Length for 36″ or 42″ Installed Rail Height

Configurations

Style A

Style B

Style C

Style D

Style Options

Level

Fixed Stair
Accommodates 32 to 36 degrees, includes rails, balusters and brackets

Style	Length				Height		Baluster Style		Configuration			
	4′	6′	8′	10′	36″	42″	Square	Round	A	B	C	D
Level	•	•	•	•	•	•	•	•	•	•	•	•
Fixed Stair	•	•	•		•	•	•	•	•	•	•	•

SERIES 300

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.

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

SERIES **300**

Rail Kit

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

Infill Options

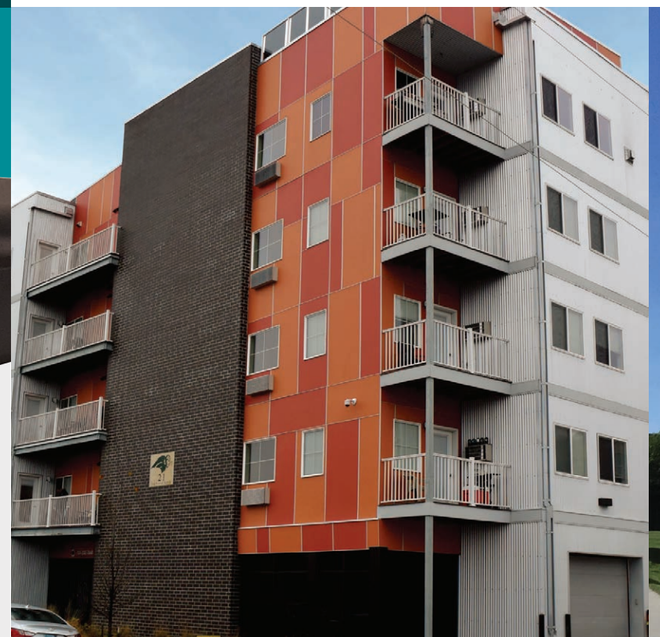
- 3/4″ Square Baluster
- Cut to Length for 36″ or 42″ Installed Rail Height
- Packaged in Exact Counts for Each Rail Length

Style	Length				Height		Baluster Style	
	4′	6′	8′	10′	36″	42″	Square	Round
Level	•	•	•	•	•	•	•	
Stair	•	•	•		•	•	•	

Style Options

Level

Stair
Pivoting balusters and brackets accommodate 0 to 40 degrees



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 common-sized AFCO Round Fluted Aluminum Columns or AFCO Pro-Cast Round Smooth Tapered Fiberglass Columns.

NEW PRODUCT
Horizontal Angle Pivot
The simple solution to unique or unknown level rail installation angles is the new Horizontal Angle Pivot. Provides a range of motion up to 45 degrees while mounting on a 3″ Post.

SERIES **100 / 125 / 300**

Level Brackets

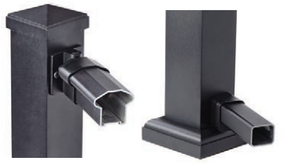
Level

Top Bottom

22.5° and 45°**

Top Bottom

Horizontal Pivot 0° – 45°



Top Bottom

Stair Brackets

Fixed 32° – 36°

Top Bottom

Adjustable 0° – 40°

Top Bottom

Wall Return Brackets

Top Bottom

Site Cut Bracket*

SERIES **200 / 225**

Level Brackets

Level

Top Bottom

22.5° and 45°**

Top Bottom

Stair Brackets

Fixed 32° – 36°

Top Bottom

Site Cut Bracket**

SERIES **110**

Level Brackets

Level

Top Bottom

COLUMN

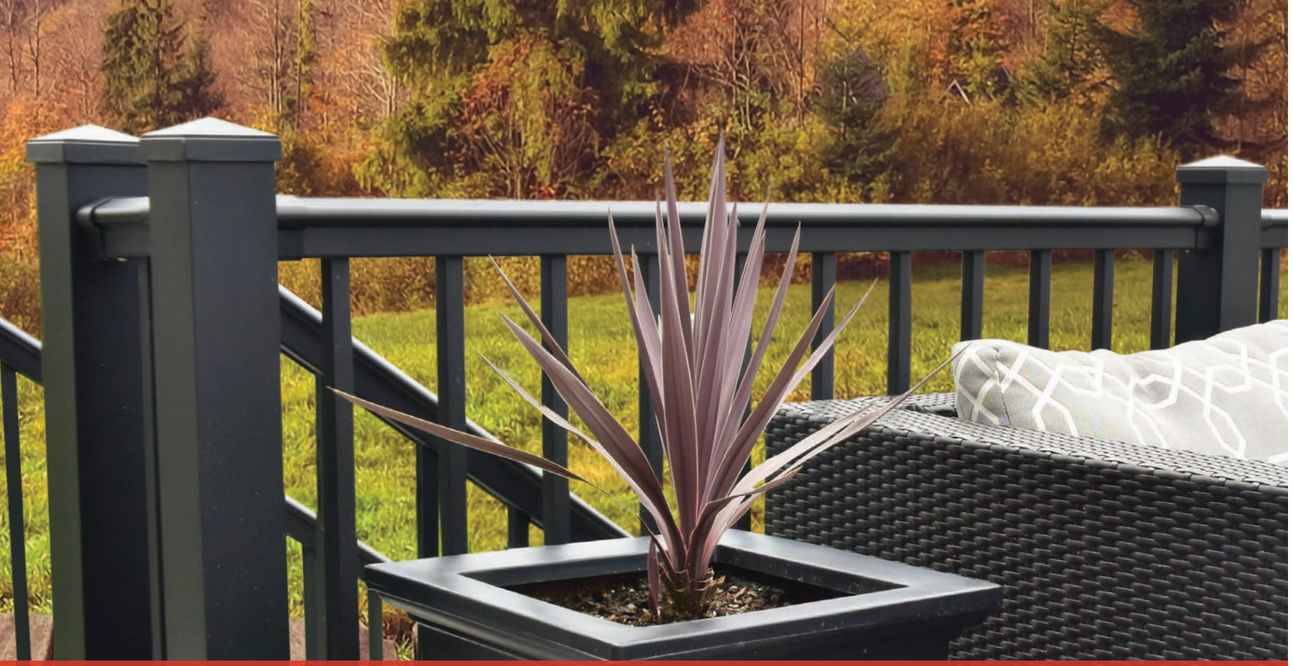
Round Column Bracket Adaptors

Smooth Fiberglass 8″ and 10″

Fluted Aluminum 6″, 8″ and 10″

* 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.



POSTS

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

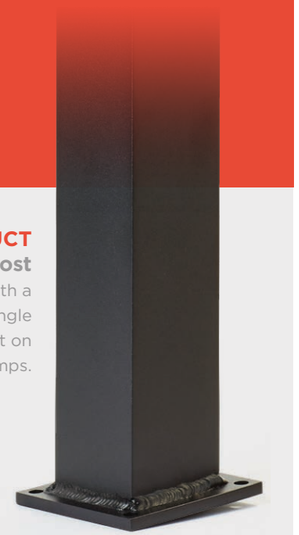
Post-to-Post products offer a traditional style in which the top rail runs directly into the face of the post.

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.

NEW PRODUCT
Ramp Post
3″ Post with a bottom cut angle of 5° for mount on accessibility ramps.



POST-TO-POST INSTALLATION

Surface Mount

3″ | 3″ Wall Plate | 4″ | 6″ Smooth | 6″ Fluted | Ramp

Fascia Mount

3″

Post Width	Post Style	Post Height 38″	40″	44″	46″	54″	108″	Optional Post Mount Plate
3″	Surface Mount	•		•		•		•
	Ramp	•		•				•
	Fascia Mount	•		•				•
	Wall Plate	•		•				•
4″	Surface Mount	•		•		•	•	•
6″	Newel Post		•		•			

OVER-THE-POST INSTALLATION

Surface Mount

Line | 45° | 90° | End | Fixed Stair

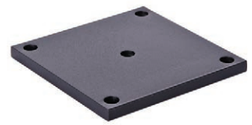
Fascia Mount

Line | Fixed Stair

Post Width	Rail Height	Surface Mount Line	90°	45°	End	Fixed Stair	Fascia Mount Line	Fixed Stair	Optional Post Mount Plate
1-7/8″	36″	•	•	•	•	•	•	•	•
3″	42″	•	•	•	•				•

AFCO-Tool

- Makes an easy installation even easier.
- This optional tool overlaps the 3″ and 4″ Posts to provide a positioning guide for bracket mounting.
- Works with all Aluminum AFCO-Rail Series.



Optional Post Mount Plate
For use under decking structure for through-bolt post installations

GATES

For secure access onto your deck, Aluminum AFCO-Rail has a gate to fit any requirement

Fixed Gate

Our all-aluminum, welded fixed gate comes pre-assembled in common gate sizes.

Adjustable Gate

Do you require a custom width? Pair this kit with a section of Series 100, 125 or 300 level rail.

Baluster Style	Gate Size *(Width x Height)*			
	36″ x 36″	36″ x 42″	42″ x 36″	42″ x 42″
Round	•	•	•	•
Square	•	•	•	•

ALSO AVAILABLE

Optional Accessories

- Spring-loaded, self-closing hinges
- Keyed gate latch
- Top pull safety latch *(not shown)*

AFCO-RAIL BALUSTERS

AFCO-Rail Balusters provide appeal and durability to your mixed-material rail designs.

Balusters

- Available in 3/4″ Round or Square
- Black Tex, Brown Tex or Bronze Tex finish

Round Baluster Connector

Level Stair

Square Baluster Connector

Level Stair

Baluster Style	Baluster Length		Baluster Connectors	
	26″	32″	Level	Stair
Round	•	•	•	•
Square	•	•	•	•

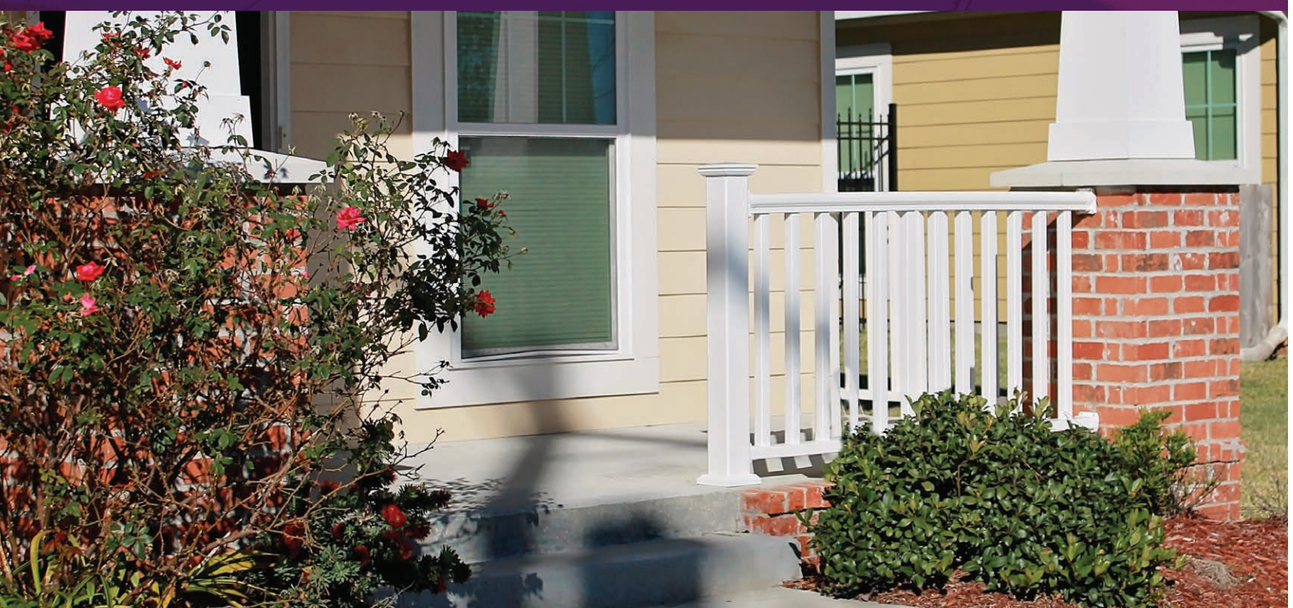
QuickTrac:

This exclusive mounting strip saves time two ways:

- Faster installation – pre-drilled for code compliant baluster spacing, there's no need to measure and mark every baluster position
- QuickTrac edge creates a clean cut line when staining or sealing wood rails, rather than having to get in between each baluster

QuickTrac Rail Style	Rail Length		Rail Height & Length			
	72″	96″	36″ x 72″	42″ x 72″	36″ x 96″	42″ x 96″
Level	•	•				
Stair			•	•	•	•

VINYL 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.

AFCO RAIL SYSTEMS VINYL

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 Material
- Mounting Hardware

Infill Options

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

Style Options

Level

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

Style	Rail Height Baluster Style	Rail Lengths 6’	8’	10’
Level	36” Square	•	•	•
	42” Square	•	•	•
	36” Colonial	•	•	
Stair	36” Square	•	•	
	42” Square			
	36” Colonial	•		

POSTS

Surface Mount Colonial Post Wrap

POSTS

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

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

Colonial Post includes structural Aluminum Insert and Vinyl Colonial Post Sleeve. Optional Cap and Base Trim Set available.

POSTS WRAPS AND SLEEVES

Post Width	Post Style	Post Height 38″	44″	108″
4″	Post Sleeve		•	•
	Post Wrap			•
6″	Post Wrap			•

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.

BRACKETRY

Level Brackets

Level

Top

Bottom

Stair Brackets

0˚– 36˚

Top

Bottom

Column

Smooth Fiberglass

Top

Fluted Aluminum

Top

Rail Style	Bracket Kit	Round Smooth Fiberglass Column Bracket Kit	Bracket Adapters Round Fluted Aluminum Column 6″	8″	10″
Level	•	•	•	•	•
Stair	•				

GATES

Optional Accessories

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

Baluster Style	Gate Size *(Width x Height)* 36″ x 36″	36″ x 42″	42″ x 42″
Square	•	•	•

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

Level Rail

Lengths

6′	8′	10′

Mounting Brackets

Bracket

On-Center Spacing

2-1/4″	2-1/2″	3″

Elbows

5˚ Elbow | 32˚ Elbow | 90˚ Elbow

Elbow Angles

5˚	30˚	32˚	34˚	38˚	90˚

Additional Components

Plug | Rail Connector | Return | D-Loop

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	Length				Support Wrapping*	
Nominal Width	8′	9′	10′	12′	Largest Round Support	Largest Square Support
6″	•	•	•	•	5″	4-1/2″
8″	•	•	•	•	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.

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PROUDLY AMERICAN ★MADE★