



ALUMINUM AFCO-RAIL



STRUCTURE
STYLE





ALUMINUM AFECO-RAIL

AVAILABLE
IN SEVEN
BEAUTIFUL
FINISHES
**THAT
NEVER NEED
REPAINTING**

GLOSS

WHITE

CLAY

WICKER

TEXTURED

WHITE

BLACK

BROWN

BRONZE

“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.



SERIES 100

SERIES





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.

SERIES 100

Style Options



Level



Fixed Stair

Accommodates 32 to 36 degrees



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

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 110

Style Options



Level

Style	Length	Height	Baluster Style	
	4' 6' 8' 10'	36" 42"	Square	Round
Level	•	• •	•	•

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 125

Style Options



Level



Fixed Stair

Accommodates 32 to 36 degrees

Configurations



Style A



Style B



Style C



Style D

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

150

SERIES



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.

Each rail section utilizes one locally sourced, ¼” thick tempered glass panel.



Offering a clear view of your scenic surroundings.

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.

SERIES 150

Style Options



Level

Style	Length	Height
Level	4' 6' 8' 10'	36" 42"

175

SERIES



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

Rail kit includes stabilizer baluster, which is pre-drilled to thread the cables through.

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

SERIES 175

Style	Length	Height
	4' 6' 8' 10'	36" 42"
Level	•	• •
Fixed Stair	•	• •



The modern look of cable in the AFCO-Rail aesthetic

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.

Style Options



Level



Fixed Stair

Accommodates 32 to 36 degrees

Posts Kits

Cable Length

5' 10' 15' 20' 30' 50'

• • • • • •

Style Height

38" 44"

Line	•	•
Corner	•	•



SERIES 2000

SERIES





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

Style Options



Level

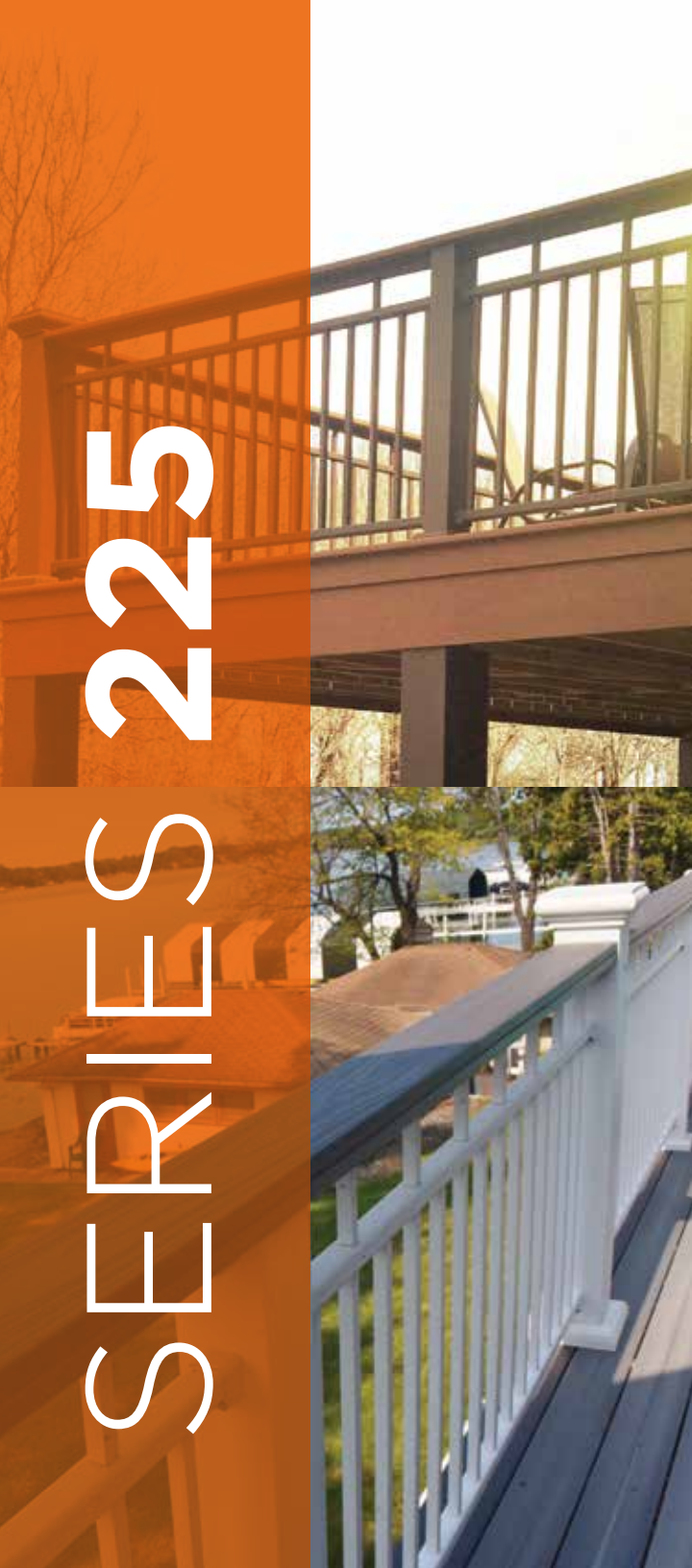


Fixed Stair

Accommodates 32 to 36 degrees

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

SERIES 225





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 225

Style Options



Level



Fixed Stair

Accommodates 32 to 36 degrees

Configurations



Style A



Style B



Style C



Style D

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

275

SERIES



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

SERIES 275

Style	Length	Height
	4' 6' 8' 10'	36" 42"
Level	•	• •
Fixed Stair	•	• •



The modern look of cable in the AFCO-Rail aesthetic

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.

Style Options



Level



Fixed Stair

Accommodates 32 to 36 degrees

Posts Kits

Cable Length

5' 10' 15' 20' 30' 50'

• • • • • •

Style Height

38" 44"

Line	•	•
Corner	•	•



3000

SERIES



Tension Fit Balusters

Rail internal fins provide tension against the baluster.





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.

Available in kits for assembly on the job, or in preassembled panels.

SERIES 300

Style Options



Level



Fixed Stair

Accommodates 32 to 36 degrees



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	•	•	•	•	•	•	•	
Stair	•	•	•		•	•		•

375

SERIES



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.

SERIES **375**

Style	Length	Height
	4' 6' 8' 10'	36" 42"
Level	•	• •
Fixed Stair	•	• •



Combining tension fit baluster connection with a sleek cable look.

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.

Style Options



Level



Fixed Stair

Accommodates 32 to 36 degrees

Posts Kits

Cable Length

5' 10' 15' 20' 30' 50'

• • • • • •

Style

Line

Corner

Height

38" 44"

• •

• •



4000

SERIES



Tension Fit Balusters

Rail internal fins provide tension against the baluster.





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

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

Available in kits for assembly on the job, or in preassembled panels.

SERIES 400

Style Options



Level



Fixed Stair

Accommodates 32 to 36 degrees

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

475

SERIES



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

SERIES **475**

Style	Length	Height
	4' 6' 8' 10'	36" 42"
Level	•	• •
Fixed Stair	•	• •



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

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.

Style Options



Level



Fixed Stair

Accommodates
32 to 36
degrees

Posts Kits

Cable Length

5' 10' 15' 20' 30' 50'

• • • • • •

Style Height

38" 44"

Line	•	•
Corner	•	•



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.

BRACKETS

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

Adjustable OTP 0°-40°



Top

Wall Return Brackets



Top

Bottom

Site Cut Bracket*



Bracket Styles

Rail Series	4"				Horizontal Angle	Adjustable OTP	Wall Return	Fixed Stair	Adjustable Stair
	Level	45°*	22-1/2°	Site Cut*					
100	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•

COLUMN

Round Column Bracket Adaptors

Smooth Fiberglass
8" and 10"

Fluted Aluminum
6", 8" and 10"



AFCO-Tool

- Makes an easy installation even easier.

Round Column Style	Bracket Adaptors		
	6"	8"	10"
Smooth Fiberglass	•	•	•
Fluted Aluminum	•	•	•

POSTS



Various aesthetic styles and mounting configurations available.

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.

POST-TO-POST INSTALLATION



Post Width	Post Style	Post Height						Optional Post Mount Plate
		38"	40"	44"	46"	54"	108"	
3"	Surface Mount	•	•			•		•
	Ramp	•	•					•
	Fascia Mount	•	•					•
	Wall Plate	•	•					•
	Cable Line	•	•					•
	Cable Corner Cabel Slotted	•	•			•		•
4"	Surface Mount	•	•			•	•	•
	Sleeve			•				
6"	Newel Post		•		•			

OVER-TO-POST INSTALLATION



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

GATES



For secure access onto your deck, Aluminum 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'.



FIXED GATE



Fixed Gate

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

Baluster Style	Gate Size (<i>Width x Height</i>)			
	36" x 36"	36" x 42"	42" x 36"	42" x 42"
Round	•	•	•	•
Square	•	•	•	•

ADJUSTABLE GATE



Adjustable Gate

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

Optional Accessories

Spring-loaded, self-closing hinges



Keyed gate latch



Top pull safety latch



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"

Additional Components



Plug



Rail Connector



Return



D-Loop

Elbows



5° Elbow



32° Elbow



90° Elbow

Elbow Angles

5° 30° 32° 34° 38° 90°

DECK POST WRAPS



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*	
Width Nominal	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



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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