

Product Guide

Railings, Columns
& Fence

SUPERIOR
ALUMINUM PRODUCTS



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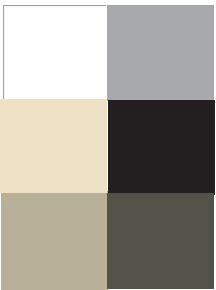
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Superior Aluminum

Superior Aluminum provides numerous advantages, including:

- Durable, strong, sustainable, code-compliant products built with high-quality aluminum
- Numerous customization options
- A product which is assembled in the USA

Series 5P Pipe Picket
Railing with Series 5H
Handrail, Sacred Heart
of Jesus Church,
McCartyville, OH ▶

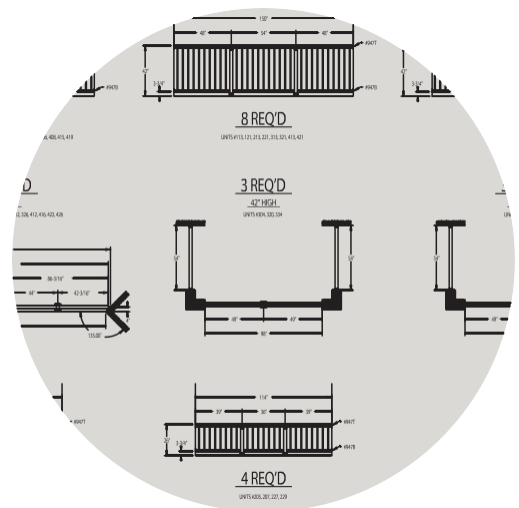




▲ Series 9 Picket Railing, The Heights at Bridge Park, Dublin, OH

The Superior Difference

Each Superior Aluminum railing is assembled in-house to exact jobsite specifications based upon detailed shop drawings. All that needs done on a jobsite is to place and anchor the railing... no onsite assembly necessary!





Aluminum Railing

Unique blend of functionality, safety, and pleasing aesthetics creates versatile railing solutions.

- Nine unique railing styles for an array of applications
- Code-compliant in virtually any setting
- Each railing series is compatible with matching pipe handrail for stairs or ramps
- All railing is built with durable, high-quality aluminum extrusions and castings

Series 5C Pipe
Cable Railing,
Minster Machine,
Minster, OH



Typical Railing Applications



Multi-Family Housing



Water Treatment



Series 9H Horizontal Railing, Bridge Park, Dublin, OH



Educational Facilities



Commercial Locations



Athletic Venues



Residential Settings



▲ Series 9P Picket Railing with Series 5H Pipe Handrail, The Adison, Madison, WI

Series 9P Picket Railing

Superior's square post railing line features a multitude of customization options, making it adaptable to numerous environments.



▲ Pocket Post

◀ Concealed Fasteners

- Screw covers and pocket posts streamline the final look
- Several top/bottom rail, picket, and style options for all architectural applications
- Available in five finish options
- Meets all code and safety standards

Series 9S Seamless Railing

Standard square post railing is elevated with the inclusion of a continuous top rail, creating an architecturally-advanced railing system ideal for those seeking a clean modern style.

- Offers similar advantages to Series 9P Railing with added bonuses
- Continuous top rail via custom transition castings
- Add ring or diamond inserts to fully customize to your project's needs
- Available in five finish options

Series 9S Seamless Railing, Walnut Hills High School, Cincinnati, OH



Continuous Top
Rail Transitions





▲ Series 9C Cable Railing, Residence, Burton, MI

Series 9C Cable Railing

By substituting standard pickets with stainless steel cable, your railing system becomes a spectacle of modern architecture while simultaneously creating an unimpeded view toward the horizon.



Interior
Cutaway
View

- Stainless steel cables are rust-resistant
- Allows for unobstructed views over water or scenic landscapes
- Superior cable systems use internal fittings to eliminate bulky fasteners
- No unsightly stabilizing picket required
- Available in four finish options

Series 5C Pipe Cable Railing

Trading square components for round pipe transforms cable railing into an unrivaled blend of modern and industrial style without sacrificing sightlines or safety.

- Spruce up modern or industrial settings
- Superior cable systems do not use large visible turnbuckles
- Framework is built with schedule 40 pipe and reinforced posts
- Stainless steel cables resist environmental hazards
- Available in five finish options

Series 5C Pipe Cable Railing, Moeller Brew Barn, Maria Stein, OH



Series 5H Pipe Railing

Non-welded pipe railing forms a strong guardrail, or complements any Superior railing series as a handrail.

- Designed to easily attach to guardrail
- Enables code-compliance on stairs and ramps when paired with guardrail
- Available in seven finish options
- Finishes perfectly match standard guardrail finishes



Guardrail with
Pipe Handrail



Series 5H Pipe Railing, Brownsville Water Treatment Plant, Brownsville, TX





▲ Series 5P Pipe Picket Railing with Series 500 Handrail, Lancaster Spine, Lancaster, PA

Series 5P Pipe Picket Railing

The versatility of pipe railing extends even further with the ability to add pickets in order to create pipe guardrails for schools, offices, apartments, and more.

- All pipe railing is constructed with sturdy 1.5" Schedule 40 pipe (1.9" OD)
- All pipe railing is built with concealed fasteners
- Enables code-compliance on stairs and ramps when paired with handrail
- Available in seven finish options

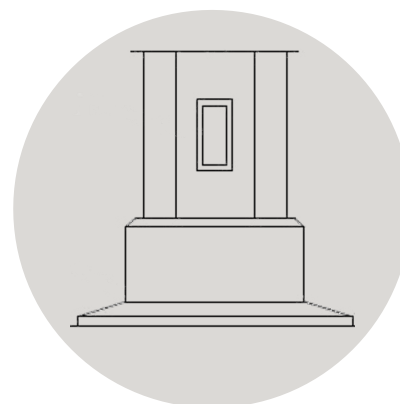




▲ Series 9H Horizontal Railing, Bridge Park, Dublin, OH

Series 9H Horizontal Railing

Traditional vertical picket railing is flipped on its side as horizontal pickets fill openings between posts. This unique architectural style creates instant intrigue and allure to any locale.



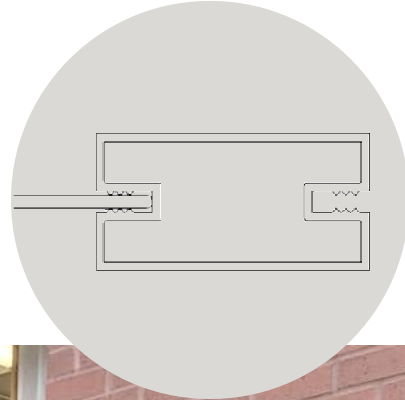
◀ Picket
Fastening
System

- Pickets secured with specially designed posts
- Bottom horizontal picket is reinforced to avoid damage from resting feet or excited children
- Durable aluminum makeup ensures pickets will remain strong over time

Series 7V Privacy Fence

Block sightlines to HVAC units, nosy neighbors, dumpsters, or machinery without sacrificing the aesthetic integrity of your home or business.

- Privacy panels fit tightly into specially-made pickets to prevent rattling and to keep railing secure
- Will not rust or rot like other similar products used in this application
- Available in three finishes



◀ Panels insert into specialty pickets

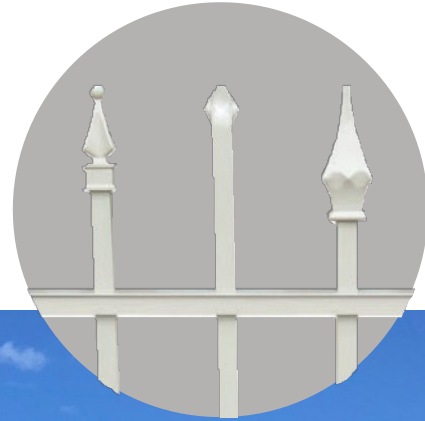
Series 9P Privacy Fence, HarborChase of Beavercreek, Beavercreek, OH



Series 7P Picket Fence

Multiple picket styles and custom design options create a wonderful safety barrier for pools, backyards, stadiums, and other secure locations.

- Features screw cover and pocket post technology
- Several custom picket and design options
- Meets code standards for swimming pools
- Ships in ready-to-install panels
- Available in five finish options



Custom
Picket
Finishes

Series 7P Picket Fence, Goldleaf Developments, Madison, WI





▲ Custom Gate, Community Swimming Pool, Versailles, OH

Custom Gates

Gates are built to the exact size and style needs of an installation, ensuring a lifetime of perfect entrances and exits.



◀ Latch Options



▲ Pipe Cable Gate

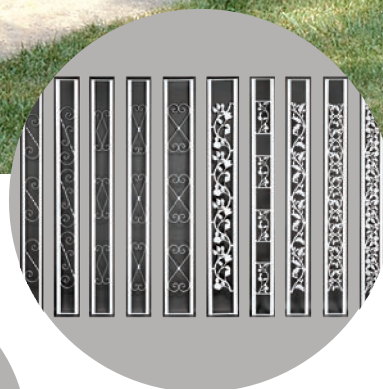
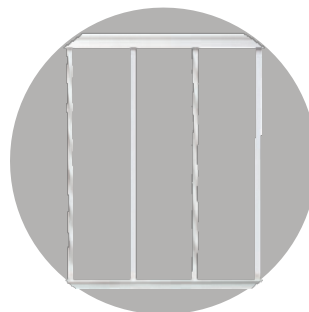
- Design and size are all fully customizable
- Several latch and hinge options available based upon project needs
- Gates available for ALL product lines
- Available in five finishes



▲ Series 6R Residential Railing with Decorative Columns, Residence, Ft. Loramie, OH

Series 6R Residential Railing

Designed specifically for the residential market, the more ornate design of residential railing boasts numerous customization options not available in commercial lines.



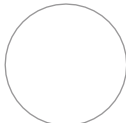




▲ Decorative columns and inserts

◀ Straight and Twisted Pickets

- Pickets offered in straight and/or twisted configuration
- Compatible with a full line of decorative columns
- Numerous scroll and cast inserts available to fully customize any porch or patio
- Available in five finishes

Railing Finishes & Product Data

Standard colors are always available for all products. Additional colors are generally available for listed products, but accessibility should be confirmed with Superior Aluminum. All regular finishes are PPG Duracon paint.

Standard Colors				
				
White (W)	Black (B)	Dark Bronze (D)	Satin Anodized (A)	Sandstone (S)

Product Line	Post Sizes	Top Rail Sizes	Infill Style	Infill Sizes	Finishes	Common Applications	Assembled to Job Specifications?
Series 9P Picket Railing	2" 2½" 4"	2½" x 1⅝" 2" x 4" 2" x 1⅝"	Aluminum Pickets	¾" x ¾" ¾" x 1½"	W, B, D, A, S	Multi-Family, Educational, Residential, Commercial, Municipal	Yes
Series 9S Seamless Railing	2"	2½" x 1⅝"	Aluminum Pickets	¾" x ¾" ¾" x 1½"	W, B, D, A, S	Multi-Family, Educational, Commercial, Athletic, Contemporary Locations	Yes
Series 9C Cable Railing	2½"	2" x 1⅝"	Type 316 Stainless Steel Cable	⅜" Cable	W, B, D, A	Settings with a View, Educational, Multi-Family, Modern Environments	Yes
Series 5C Pipe Cable Railing	1½" Schedule 40 Pipe	1½" Schedule 40 Pipe	Type 316 Stainless Steel Cable	⅜" Cable	W, B, D, A	Industrial, Settings with a View, Multi-Family, Upscale Residential	Yes
Series 5H Pipe Railing	1½" Schedule 40 Pipe	1½" Schedule 40 Pipe	Horizontal Pipe	1½" Schedule 40 Pipe	W, B, D, A, S	Handrail, WWTP, Industrial, Commercial, Athletic, Educational	Yes
Series 5P Pipe Picket Railing	1½" Schedule 40 Pipe	1½" Schedule 40 Pipe	Pipe Pickets	¾" Pipe	W, B, D, A, S	Multi-Family, Educational, Commercial, Churches	Yes
Series 9H Horizontal Railing	3"	2" x 1⅝"	Horizontal Square Pickets	¾" x 1½"	W, B, D	Multi-Family, Upscale Residential, Commercial, Modern Environments	Yes
Series 7P Privacy Fence	4"	2" x 4"	Privacy Panels & Pickets	4¼" x .007" ¾" x 1½"	W, B, D	Shared Balconies, Hiding Machinery, Concealing Dumpsters, Residential	Yes
Series 7P Picket Fence	2" 2½" 4"	2½" x 1⅝" 2" x 4" 2" x 1⅝"	Aluminum Pickets	¾" x ¾"	W, B, D, A, S	Swimming Pools, Athletic, Residential, Secure Areas	Yes
Series 6R Residential Railing	1½"	1½" x 1½"	Aluminum Pickets	½" x ½"	W, B, D, A, S	Residential - Porches & Decks	Yes

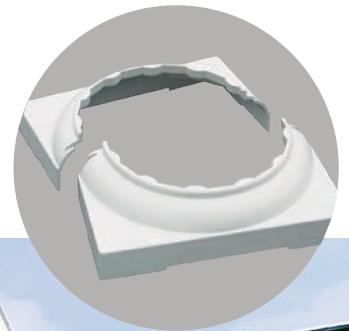
Aluminum Columns

A blend of traditional and modern styles combine with load-bearing strength and wrap-around functionality to make aluminum columns an ideal companion for overhanging structures.

- Four unique profiles, each with numerous size options
- All sizes and shapes of columns are fully load-bearing
- Wrap-around functionality for easy remodeling
- Smaller sizes can be easily installed by one person
- Built with durable, maintenance-free aluminum
- Compatible with Superior Aluminum railing
- Columns available in diameters up to 30" and lengths up to 30'!



Wrap-Around
Functionality
Available



Sq. Panel Aluminum Columns with Series 9000 Heavy-Duty Railing, Residence, Maria Stein, OH





▲ Square Fluted Aluminum Columns with Standard Cap and Base, Residential Installation

Square Fluted Columns

Subtle flutes create the natural aesthetic of wood columns, while aluminum construction dissuades the typical maintenance and deterioration that comes with wood.



Cap and Base Options

- Four cap and base styles
- Load-bearing up to 33,000 pounds
- Thousands of combinations of width, height, finish, and cap/base available
- Available in five finish options

Square Panel Columns

Recessed panels give standard square columns a bit of a modern spin, allowing them to beautifully complement contemporary design.

- Five unique cap and base styles
- Load-bearing up to 80,000 pounds
- Thousands of combinations of width, height, finish, and cap/base available
- Ships in ready-to-install panels
- Available in five finish options

Sq. Panel Aluminum Columns with Standard Cap & Base, Residence, OH





▲ Square Smooth Aluminum Columns with Standard Cap and Base, Residence, OH

Square Smooth Columns

Create a simple yet sophisticated natural touch to any overhanging area without distracting from more bold architectural features.



Cap and Base Options

- Four cap and base styles
- Load-bearing up to 50,000 pounds
- Thousands of combinations of width, height, finish, and cap/base available
- Available in five finish options



▲ Round Fluted Columns with Corinthian Cap & Doric Base, Chestnut Accelerated Middle School, Springfield, MA

Round Fluted Columns

Round columns have been the go-to architectural style for holding up some of history's greatest buildings. Today, this tradition continues, but with durable aluminum in place of weatherable stone.

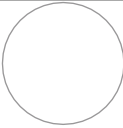






Cap and Base Options

- Four cap and base styles
- Load-bearing up to 50,000 pounds
- Thousands combinations of diameter, height, finish, and cap/base available
- Available in five finish options

Column Finishes & Product Data

Standard colors are always available for all products. Additional colors are generally available for listed products, but accessibility should be confirmed with Superior Aluminum. All regular finishes are PPG Duracon paint.

Standard Colors	Additional Colors			
				
White (W)	Black (B)	Dark Bronze (D)	Satin Anodized (A)	Sandstone (S)

All columns are available in white and sandstone. 6" and 8" square and round fluted columns are available in brown. All 6", 8", 10" square columns are available in black and dark bronze.

Square Columns

Diameter	Fluted Lengths	Smooth Lengths	Panel Lengths	Fluted Load Lbs.	Panel Load Lbs.	Smooth Load Lbs.	Outside Dimension	Max. Square Encaseable*
4"	<u>8</u> , 9, 10, 12, 20'	<u>8</u> , 9, 10'	-	13,000	-	15,000	4"	3 $\frac{1}{8}$ "
6"	4, <u>8</u> , 9, 10, 12, 20'	4, <u>8</u> , 9, 10, 12, 20'	4, <u>8</u> , 9, 10, 12, 20'	13,000	38,000	13,000	5 $\frac{5}{8}$ "	3 $\frac{1}{2}$ "
8"	4, <u>8</u> , 9, 10, 12, 16, 20'	4, <u>8</u> , 9, 10, 12, 16, 20'	4, <u>8</u> , 9, 10, 12, 16, 20'	10,000	60,000	19,000	7 $\frac{1}{2}$ "	6 $\frac{3}{16}$ "
10"	8, 9, 10, <u>12</u> , 16, 18, 20'	8, 9, 10, <u>12</u> , 16, 18, 20'	8, 9, 10, <u>12</u> , 16, 18, 20'	33,000	80,000	45,000	9 $\frac{1}{2}$ "	8 $\frac{1}{16}$ "
12"	<u>8</u> , 9, 10, 12, 16, 18, 20, 24'	8, 9, 10, 12, <u>16</u> , 18, 20, 24'	8, 9, 10, 12, <u>16</u> , 18, 20, 24'	27,660	75,000	50,000	11 $\frac{1}{2}$ "	9 $\frac{3}{4}$ "
16"	<u>16</u> , 18, 20, 24, 30'	-	<u>16</u> , 18, 20, 24'	13,000	75,000	-	15 $\frac{1}{2}$ "	13 $\frac{3}{4}$ "

Round Columns

Diameter	Lengths	Load Lbs.	Outside Dimension	Inside Dimension	Max. Square Encaseable*
6"	8, 9, 10, <u>12</u> '	13,000	5 $\frac{5}{8}$ "	4 $\frac{3}{4}$ "	3 $\frac{1}{2}$ "
8"	8, 9, 10, <u>12</u> , 14, 16'	22,000	8"	7 $\frac{1}{8}$ "	5 $\frac{1}{4}$ "
10"	8, 9, 10, <u>12</u> , 14, 16, 18, 20'	25,000	10"	8 $\frac{7}{8}$ "	6 $\frac{1}{4}$ "
12"	8, 9, 10, <u>12</u> , 16, 18, 20'	30,000	11 $\frac{1}{4}$ "	9 $\frac{7}{8}$ "	6 $\frac{7}{8}$ "
15"	<u>12</u> , 16, 18, 20'	34,000	14 $\frac{3}{8}$ "	13 $\frac{1}{8}$ "	9 $\frac{1}{4}$ "
18"	<u>16</u> , 18, 20'	38,000	18"	16"	11 $\frac{5}{16}$ "
24"	16, 18, 20, <u>24</u> '	50,000	24"	22"	15 $\frac{9}{16}$ "
30"	16, 18, 20, <u>24</u> '	50,000	30"	28"	19 $\frac{13}{16}$ "

*The largest size support structure that can be enclosed by the corresponding wrap-around column
Tested lengths are underlined



▲ Round Tapered Fiberglass Columns, Residential Installation

Square
Fiberglass
Columns,
Residential
Installation



Fiberglass Columns

Classic architectural style meets modern day durability to create an elegant load-bearing support for any overhang.

- Six diverse column profiles
- Columns available in tapered and non-tapered designs
- Eight cap and base options
- Thousands of combinations of profile, width, height, and cap/base
- Load-bearing up to 20,000 pounds

Square, Fluted, & Panel PVC Column Wraps*

- Variety of sizes and designs
- Paintable surfaces for unlimited customization
- Uses cellular PVC to ensure longevity
- Matches exterior trim for a modern, uniform look

Now that's a wrap! Cover up any unsightly existing support beams with a Square, Fluted, or Panel PVC column wrap to brighten up any entrance or area!



*Please note that standard Square & Panel PVC Columns (non-Snap-Tite™) require PVC Glue for assembly



SNAP-Tite™ PVC Column Wrap

The **ONLY** Cellular PVC Column Wrap that requires **No** PVC glue or adhesive to assemble. No need to wait hours or days for glue to dry. Simply snap together for the perfect column!

- Patent pending design for quick assembly
- Wood and Smooth Designs available
- Paintable surfaces for unlimited customization
- Uses cellular PVC to ensure longevity
- Matches home's exterior trim for a modern, uniform look

CASE STUDY

Making Installation a Snap!

The Problem

In 2021, A newly-constructed retail store had a punch list of projects that needed to be completed, including the front porch trim, but had precious little time remaining before grand opening. How could they save time and have everything ready by opening day?

The Solution

Existing support beams were up, but they needed to be covered. Column wraps historically took much time to be fully trimmed out, and there were other important punch list items to be done before the store invited its customers in for the big day the following week. They found out about and chose Snap-Tite™ PVC Columns from Superior as a time-saving alternative.

Unlike other PVC Wrap Around Column solutions, Superior's Snap-Tite™ Columns' patent-pending design required no cutting, mitering, gluing, or bungying. This saved the installation team an average of more than 30 minutes per column assembled compared to traditional PVC Wrap-Around Column solutions. Added up over the 7 columns installed, over 4 hours of labor were saved by the contractor.

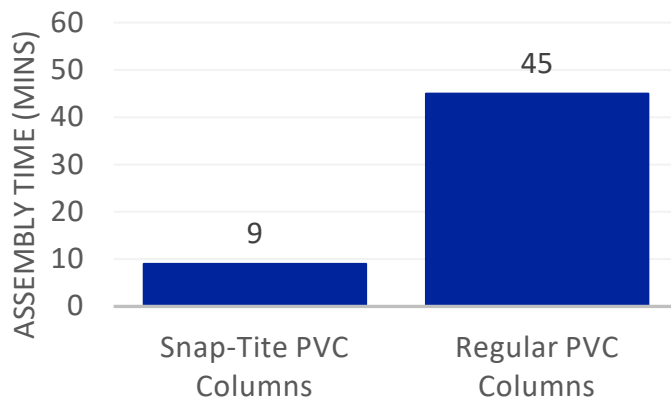
The Result

In part due to the time saved by installing Superior's Snap-Tite™ PVC Wrap-Around Columns, the store was able to successfully complete all their major projects before grand opening.



Before (Top) and After (Bottom)
Addition of PVC Snap-Tite™

Average Assembly Time Per Column



Craftsman PVC Column Wraps

Make a statement with a Craftsman PVC Column Wrap! With a variety of sizes available, full customization is just a wrap away!

- Variety of sizes and designs
- Paintable surfaces for unlimited customization
- Uses cellular PVC to ensure longevity
- Matches exterior trim for a modern, uniform look



*please note that Craftsman PVC Columns require PVC Glue



Finishes & Product Data:

PVC Column Wraps, Caps, & Bases

PVC Wraps

Style	Material Used	Finish	Widths Available	Lengths Available	Requires PVC Glue
PVC Snap-Tite™ Column Wraps	Cellular PVC	Smooth, Wood Grain	6", 8"	8', 10'	NO
PVC Smooth Column Wraps	Cellular PVC	Smooth	10", 12"	8', 10' 12'	YES
PVC Fluted Column Wraps	Cellular PVC	Smooth	6", 8", 10", 12"	8', 10', 12'	YES
PVC Panel Column Wraps	Cellular PVC	Smooth	8", 10", 12"	8', 10', 12'	YES
PVC Tapered Column Wraps	Cellular PVC	Smooth	12"x8", 16"x11", 20"x13", 24"x16"	4', 5', 5'6", 6', 6'6", 8'	YES

Caps, Bases, & Accessories

Style	Material	Sizes Available	Requires PVC Glue
Uptown Cap and Base	Composite	6", 8"	NO
Parkway Cap and Base	Composite	10", 12"	NO
Box Set Cap and Base	Composite	6", 8", 10", 12"	YES
Craftsman Style Cap and Base	Composite	8", 11", 13", 16"	YES
Non-Tapered Astragal	Composite	6", 8", 10", 12"	NO

Want to Learn More?

Interested in learning more about the Superior Aluminum products shown here? We've been doing this since 1956! Visit www.superioraluminum.com, or contact us at info@superioraluminum.com or 800-548-8656 and ask for an in-depth product specific brochure!

Full Product Brochure



Full Product Brochure

Industry Brochures



Multi-Family Housing



Water Treatment Plants

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