

**Superior**

# Architectural Aluminum Railing

**New** SERIES  
**9100**

Meets OSHA, ADA and ICC Safety Criteria



*Embracing form and function in a sleek, modern design.*

[www.superioraluminum.com](http://www.superioraluminum.com)



# Architectural Aluminum Railing

*Embracing form and function in a sleek, modern design.*

Superior Series 9100 Architectural Aluminum Railing embraces both form and function with it's high-style, modern aesthetics and innovative, sensible design.

The sophisticated and refined railing system features a sleek, continuous top rail, concealed fasteners and seamless transitions around corners, creating a high-end, custom look.

Whether your preference is for the bold, dramatic lines or the practicality of an uninterrupted graspable handrail, Series 9100 is an excellent choice for both residential and commercial applications, alike.

Series 9100 Railing utilizes all the advantages of aluminum, where strength, durability and no-paint maintenance are key. In addition, the highest quality aluminum alloy extrusions are used to provide maximum strength and support where it's need most – in your installation.

Series 9100 Railing is available in any height. Standard heights include 42" for commercial railing and 36" for residential railing.

Series 9100 Railing can be embedded in concrete, surface mounted or side-mounted, and is factory assembled in lengths up to 18', making for easy, no-hassle installations.



9100 Railing with Ring Inserts

## Finishes

Whether baked-on enamel, anodized or duranodic, the smart decorative finishes are guaranteed to endure for years of continued service and maintenance-free beauty.



## Series 9100 Architectural Railing



Standard 9100 Railing utilizes 901 top rail (2 1/2" w x 1 5/8" h), 903 bottom rail (1 5/8" w x 3/4" h), 2" square posts and 3/4" square pickets. 904 bottom rail with rectangular holes is used for ramp or step railing.

### Interchangeable Pickets

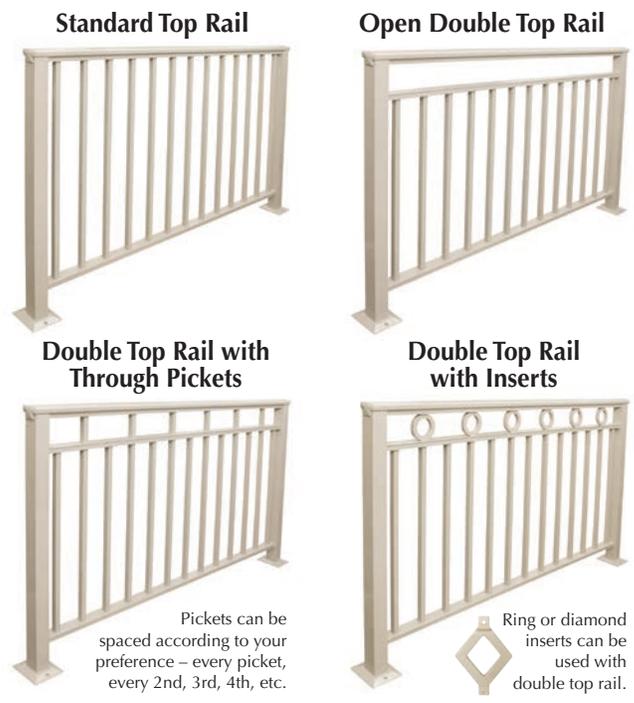
To customize your look, standard 3/4" pickets can be substituted with 3/4" x 1 1/2" pickets.



3/4" square pickets

3/4" x 1-1/2" pickets

## Railing Style Systems



Standard Top Rail



Open Double Top Rail



Double Top Rail with Through Pickets

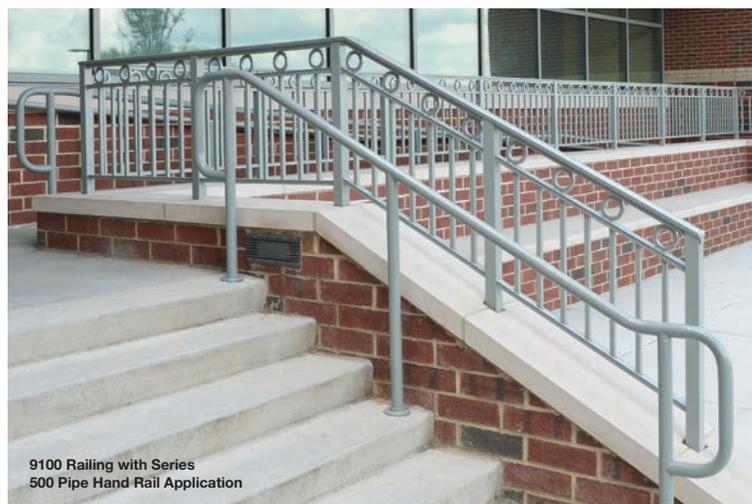


Double Top Rail with Inserts

Pickets can be spaced according to your preference – every picket, every 2nd, 3rd, 4th, etc.

Ring or diamond inserts can be used with double top rail.

*Series 9100 Railing meets OSHA, ICC and ADA criteria.*



9100 Railing with Series 500 Pipe Hand Rail Application

### Hand Rail Applications

Superior Series 500 Pipe Railing is used for Series 9100 hand rail applications. Pipe rail can be mounted separately (as shown in photo to left) or it can be mounted directly to the railing with brackets and a through bolt (see photo inset).

# Series 9100 Features

## Continuous Top Rail

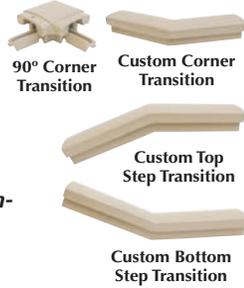
Series 9100 Railing features a sleek, continuous top rail, ingeniously designed with concealed fasteners to create a continuous graspable handrail and clean, dramatic lines.



## Seamless Rail Transitions

Series 9100 Railing seamlessly transitions around corners and from horizontal to ramp or step railing with no interruption to the top rail surface for continuous smooth lines and a modern, upscale look.

**Note:** Custom transition parts can be manufactured in any custom angle to meet your requirements.



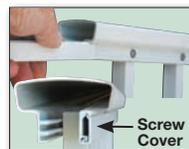
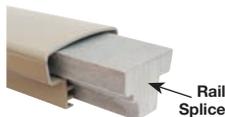
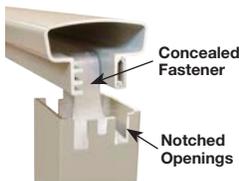
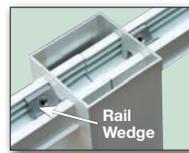
Series 9100 Railing seamlessly transitions around corners and from horizontal to ramp or step railing.

## Machined Post Openings

Machined post openings receive center and bottom rails, eliminating the need for brackets, which results in a clean, rigid design with added strength.

Rail wedges, located in the underside of the rails will ensure proper insertion of 1" inside the post.

*Note: If railing is angled horizontally or vertically, the angle must be specified so the proper openings can be machined into the post.*



## Concealed Hardware

Series 9100 Railing is assembled using concealed fasteners that attach to the inside of the top rail. The fasteners slide inside the posts until the top rail rests in the notched openings.

A railing splice can also be used to connect top rails more than 18' in length.

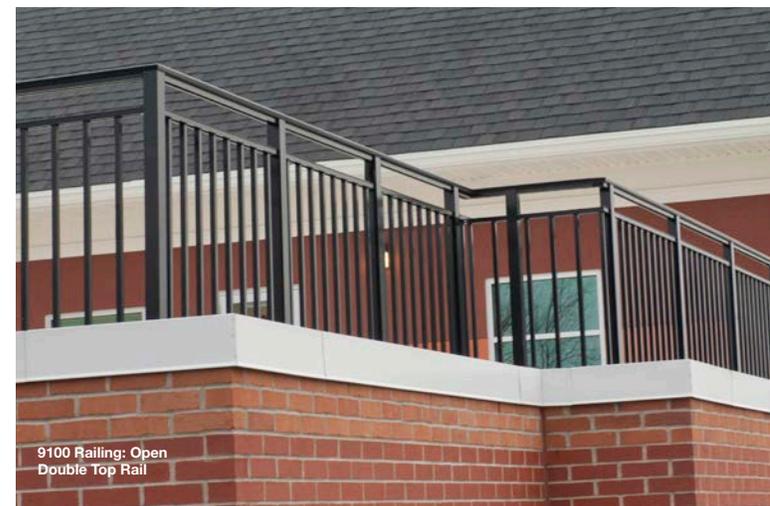
Series 9100 Railing is also equipped with screw covers, used to conceal picket screws on top and bottom rail assemblies for a clean, streamlined look.



9100 Railing: Double Top Rail with Ring Inserts Side Mounted on a Rooftop



9100 Railing: Double Top Rail with Ring Inserts



9100 Railing: Open Double Top Rail



9100 Railing: Double Top Rail with Ring Inserts Embedded in Concrete

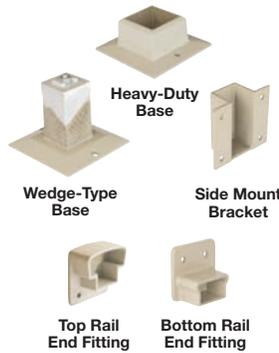


## Custom Aluminum Gates

Attractive aluminum gates with standard or custom security locks are available for Series 9100 Railing. The durable, welded gates can be designed in any size or configuration and arrive completely assembled for easy installation. Please call Superior Aluminum to discuss your needs.

## Mounting Options

A variety of mounting options are available to fit any installation requirements. Series 9100 Railing can be base mounted with wedge-type or heavy-duty bases, side mounted with brackets or embedded into concrete using an elongated post. End fittings for the top and bottom rail are also available for applications where the railing system meets a wall.



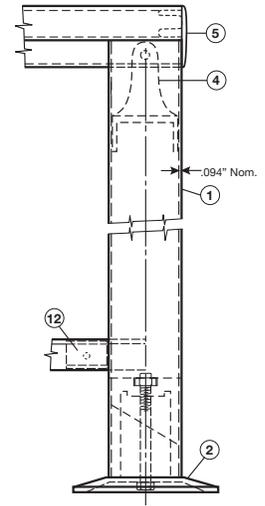
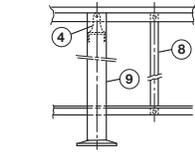
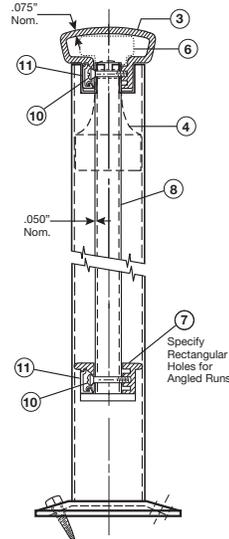
## Series 9200 ★ New Herringbone Aluminum Railing

Call Superior Aluminum for details about this exciting new product!



## Assembly Identification

### SERIES 9100



- |                                     |                       |
|-------------------------------------|-----------------------|
| 1. 377 2" Tube .094" Wall           | 7. 903 Bottom Rail    |
| 2. 968 Base Assembly                | 8. 3/4" Square Picket |
| 3. 901 Top Rail 2 1/2" w x 1 5/8" h | 9. Section Post       |
| 4. 960X Internal Attachment         | 10. 911 Picket Screws |
| 5. 980X End Cap                     | 11. 907 Screw Cover   |
| 6. 913X Internal Splice             | 12. Rail Wedge        |

### MATERIALS -

All rails, posts and pickets shall be formed from 6063-T5 & 6063-T6 extruded aluminum alloys. All railing accessories shall be cast from ANSI 713 alloy. All fasteners used in the system shall be aluminum or stainless steel.

### INSTALLATION -

The railing system can be either base mounted, side mounted or embedded into concrete. Pickets shall run between the top and bottom rail. Pickets shall be 3/4" square on 4 1/2" centers or 1 1/2" x 3/4" on 5 1/4" centers.

The railing system will adapt to step railing requirements by providing the riser and tread dimensions of the steps and specifying a rectangular hole in the bottom rail.

### SCOPE OF WORK -

Aluminum railings as shown on drawings shall be Superior Series 9100 Architectural Aluminum Railings, as manufactured and supplied by Superior Aluminum Products, Inc., Russia, Ohio 45363.

Series 9100 Railing meets federal safety requirements as determined by an independent testing laboratory. Test results available upon request. Superior Series 9100 Railing is protected by US Patent #3707276.

**Superior Aluminum Products, Inc.**

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