

**Superior**

# Aluminum Railing

SERIES  
**9000**  
**900**

Meets OSHA, ADA and ICC Safety Criteria



***Strong, Durable and Maintenance-Free Beauty!***



# Heavy-Duty Aluminum Railing

*Strong, Durable, and Maintenance-Free Beauty!*

Superior Series 9000 and 900 Heavy-Duty Aluminum Railing offers the finest design features available on the market today. The highest quality aluminum alloy extrusions are used to provide maximum strength and support where it is needed most – in your installation.

Superior Heavy-Duty Railing utilizes all the advantages of aluminum – strong, durable, and rust- and corrosion-free. These characteristics make it a practical, sound investment for the budget-minded buyer.

The smart, contemporary design is an added plus. Our unique, no-weld design utilizes simple, cast aluminum fittings or machined openings for a no-hassle, easy installation.

Superior Heavy-Duty Railing can be found wherever clean design and safety are a must. It is an excellent choice for condominiums, apartments, motels, churches, schools, commercial buildings and homes.

To make our railing even more versatile, decorative columns, inserts and scrolls are available.

Superior Railing is available in any height. Standard heights include 42" for commercial railing, 36" for residential railing and 72" for pool railing. Superior railing comes in standard 6' lengths, as well as custom lengths, in 2-line or 3-line styles. Ordering standard 6' lengths reduces lead times and cost.

### NEW! Concealed Picket Screws



A new product design for Series 9000 and 900 Heavy-Duty Railing features a screw cover to conceal picket screws on top and bottom rail assemblies for a cleaner, more streamlined look.



990 Railing (Style A) with 902 Top Rail and Superior Panel Columns

### Finishes

Smart, decorative finishes add a distinctive touch. Whether baked-on enamel, anodized or duranodic, these finishes are guaranteed to endure for years of continued service and maintenance-free beauty.



## Railing Style Systems

Superior offers a variety of styles to fit any application.



Style A  
Standard  
Top Rail

950 Railing, 905 Top Rail



Style B  
Open Double  
Top Rail

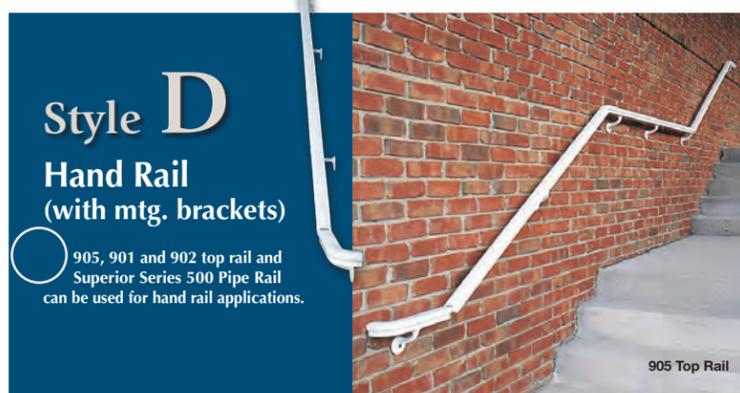
950 Railing, 905 Top Rail



Style C  
Double Top  
Rail with  
Through Pickets

Through pickets can be spaced according to your preference. For example, every picket, every 2nd, 3rd, 4th picket, etc.

900 Railing, 901 Top Rail



Style D  
Hand Rail  
(with mtg. brackets)

905, 901 and 902 top rail and Superior Series 500 Pipe Rail can be used for hand rail applications.

905 Top Rail

## Customize your look!

Top rail, bottom rail, pickets and posts are interchangeable for a completely custom look.

### Interchangeable Top & Bottom Rail

All 905, 901 and 902 top rail are interchangeable. Standard 903 bottom rail can be substituted with 902 top rail. See examples of 9000 Rail below.



Option 1 905 Top Rail 903 Bottom Rail  
Option 2 901 Top Rail 903 Bottom Rail  
Option 3 902 Top Rail 903 Bottom Rail  
Option 4 902 Top Rail 902 Bottom Rail



Option 5 905 Top Rail 903 Bottom Rail  
Option 6 901 Top Rail 903 Bottom Rail  
Option 7 902 Top Rail 903 Bottom Rail

Note:  
3/4" sq. pickets and 3/4" x 1 1/2" pickets are also interchangeable.

## 9000 Series New 9000 and 9900 Railing



Rails are inserted into machined post openings.

Series 9000 Heavy-Duty Railing features machined post openings on level and ramp railing, eliminating the need for brackets. The result is a clean, rigid design with added strength.

If railing is angled horizontally, the angle must be specified so the proper openings can be machined into the post. **Swivel brackets are required for step rail applications.** The top rail has a 2" wide gripping surface which meets all safety criteria. The machined post openings and assembled sections (standard 6' length or custom length) facilitate quick turn-around and overall savings to the customer.

## 900 Series 900, 950 and 990 Railing



Post and rail are assembled with brackets.

Series 900 Heavy-Duty Railing features well-crafted lines and a functional design. It is recognized by the use of brackets to connect the post and rail for level, ramp and step railing applications.

### Top Rail Selections



All top rail (905, 901, 902), posts (2", 2 1/2", 4") and pickets (3/4" square, 3/4" x 1 1/2") are interchangeable.



Assembled with Machined Openings  
**9000 RAILING**  
Features 2 1/2" square posts, 3/4" square pickets and 905 top rail.



Assembled with Hidden Bracket and Machined Opening  
**9000 RAILING**  
Features 2 1/2" square posts, 3/4" square pickets and 901 top rail.



Assembled with Machined Openings  
**9900 RAILING**  
Features 2 1/2" square posts, 1 1/2" x 3/4" pickets and 905 top rail.



Assembled with Brackets  
**900 RAILING**  
Features 2 1/2" square posts, 3/4" square pickets and 901 top rail.



Assembled with Brackets  
**950 RAILING**  
Features 2" square posts, 3/4" square pickets and 905 top rail.



Assembled with Brackets  
**990 RAILING**  
Features 2 1/2" sq. posts, 1 1/2" x 3/4" pickets and 905 top rail.

Superior 9000, 9900, 950 and 990 Railing meets OSHA, ICC and ADA criteria.  
Superior 900 Railing meets OSHA and ICC safety criteria.

### Interchangeable Post

All 2" or 2 1/2" square posts can be substituted with a 4" square post.



Machined post openings are available for 2 1/2" and 4" square posts. A 4" machined post opening is shown above.

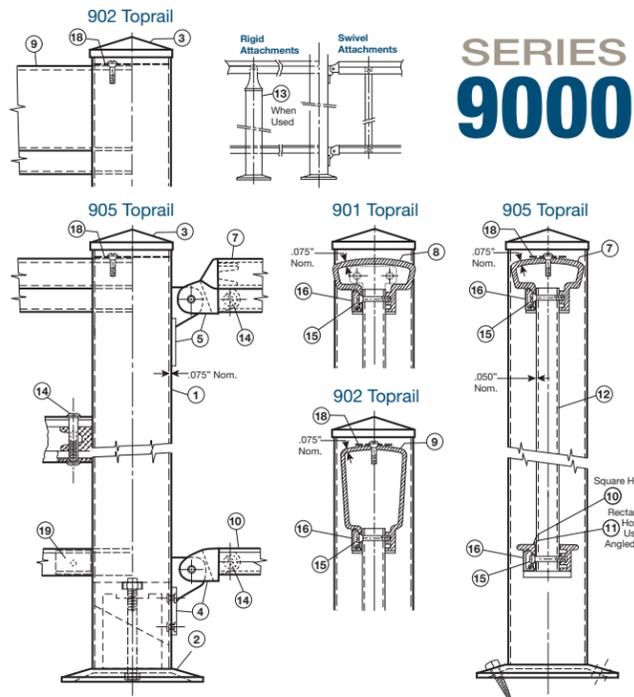
In the 9000 rail application above, 4" square posts are used for the end posts and a 2 1/2" square post is used for the crossover post.



### Continuous Top Rail

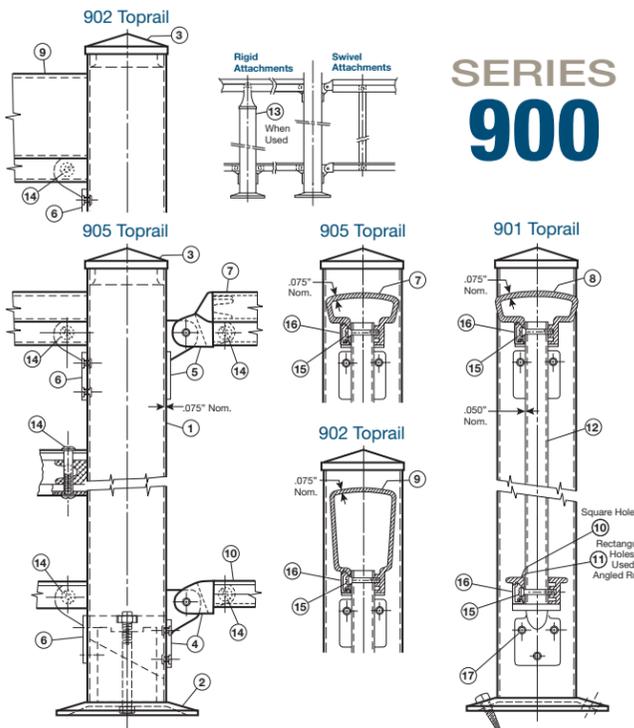
Unlike some other railing companies, Superior manufactures crossover posts for your rail system. The advantage of using these posts is a continuous top rail surface. Not only is this feature attractive, but it also allows for an uninterrupted gripping surface.

## Assembly Identification



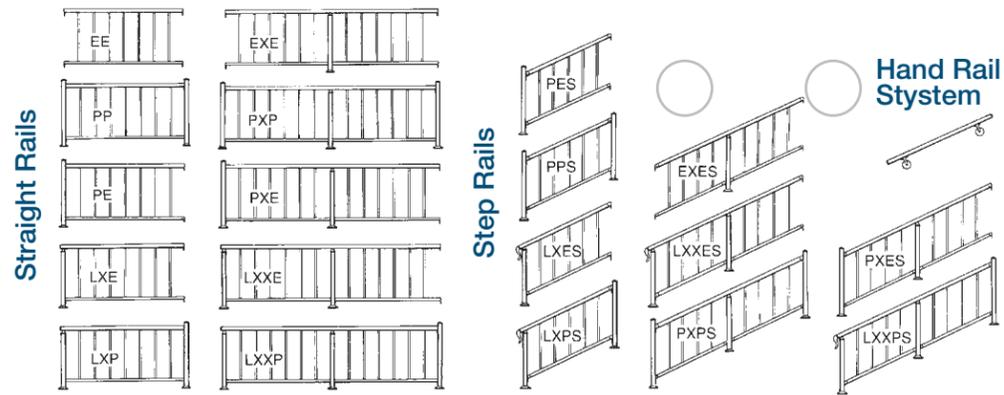
### SERIES 9000

- |                                      |                           |
|--------------------------------------|---------------------------|
| 1. 990 2 1/2" Tube .075" Wall        | 10. 903 Bottom Rail       |
| 2. 957 Base Assembly                 | 11. 904 Bottom Rail (A)   |
| 3. 950 Cap                           | 12. 3/4" Square Picket    |
| 4. 956 Bottom Rail Swivel Assem.     | 13. Crossover Post        |
| 5. 955 Top Rail Swivel Assem.        | 14. 912 8-32 Binder Bolt  |
| 6. 940 Top & Bottom Rigid Attachment | 15. 910 Picket Screws     |
| 7. 905 Top Rail 2" w x 1 5/8" h      | 16. Screw Cover           |
| 8. 901 Top Rail 2 1/2" w x 1 5/8" h  | 17. 915 5/32" Dia. Rivets |
| 9. 902 Top Rail 2" w x 4" h          | 18. Rail Tab              |
|                                      | 19. Rail Wedge            |

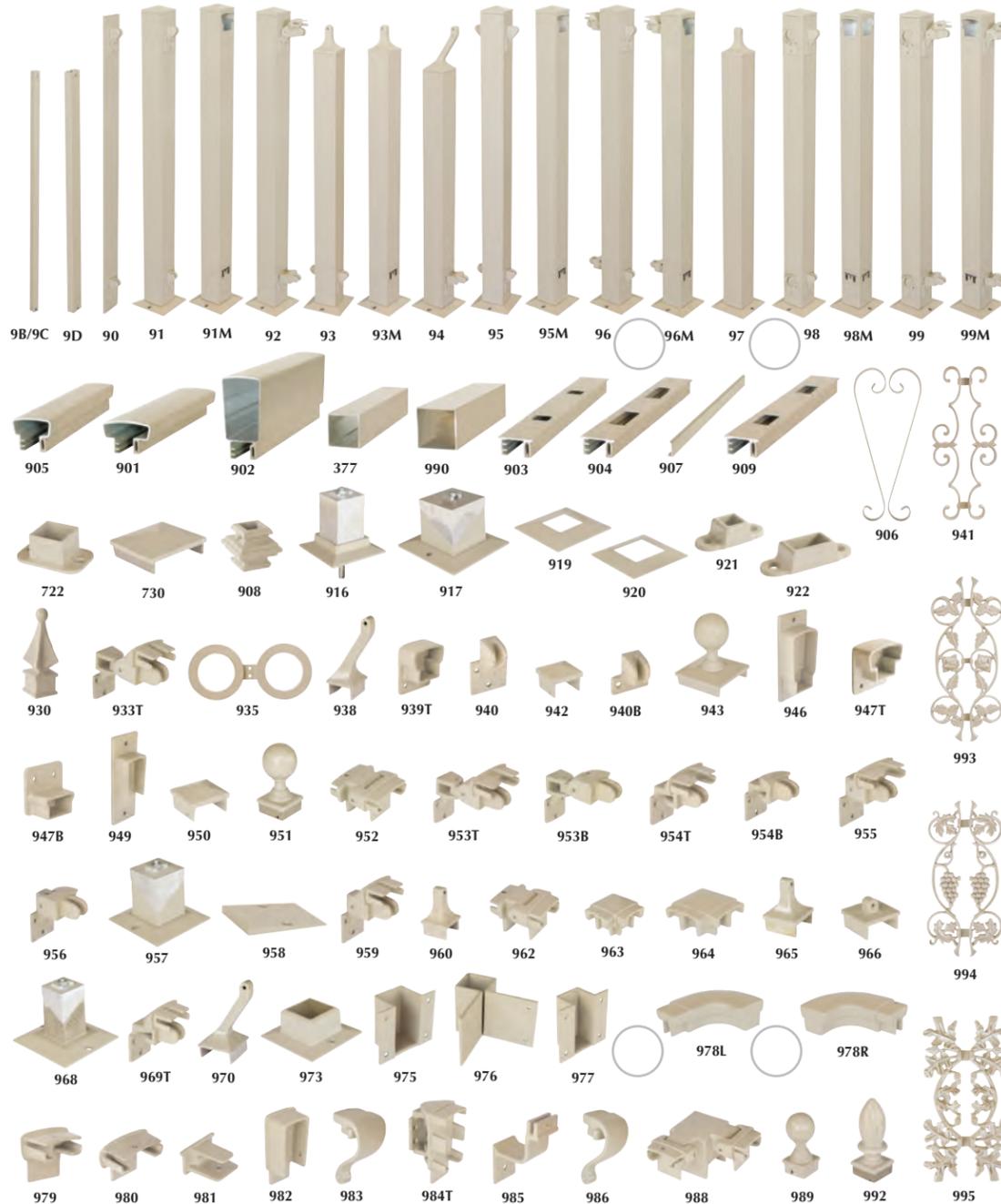


### SERIES 900

## Design Selections



## Component Parts



## Parts Description

### RAILS

- 901 Top Rail 2 1/2" w x 1 5/8" h  
16' white only, 18' & 24' Lgths.
- 902 Top Rail 2" w x 4" h  
18' white only & 24' Lgths.
- 903 Bottom Rail (Sq. Hole)  
1 5/8" w x 3/4" h,  
16' white only & 18' Lgths.
- 904 Bottom Rail (Rect. Hole)  
1 5/8" w x 3/4" h,  
16' white only & 18' Lgths.
- 905 Top Rail - 2" w x 1 5/8" h  
18' & 24' Lgths.
- 907 Screw Cover (For Top & Bott. Rail)  
18' & 24' Lgths.
- 909 Bottom Rail (1 1/2" w Hole)  
16' white only & 18' Lgths.

### FASTENERS

- 911 Picket Screws
- 912 Rail Bracket Binder Bolt
- 915 Post Bracket Rivet 5/32"

### POSTS & PICKETS

- 9B \_\_\_ Picket 3/4" Sq. - 4 1/2" Centers
- 9C \_\_\_ Picket 3/4" Sq. - 6" Centers
- 9D \_\_\_ Picket 3/4" x 1 1/2"
- 90 \_\_\_ Wall Plate
- 91 \_\_\_ End Post
- 92 \_\_\_ Swivel Post
- 93 \_\_\_ Crossover Post
- 94 \_\_\_ Bottom Step Post
- 95 \_\_\_ Section Post
- 96 \_\_\_ Top Step Straight Post
- 97 \_\_\_ Intermediate Step Post
- 98 \_\_\_ Corner Post
- 99 \_\_\_ Top Step Corner Post

**Specify Railing Height:**  
32", 36", 42", or 48"

### CAST FITTINGS

- 730 Cap for 4" Post
- 906 17" Heart Scroll
- 913 Internal splice for #905 Top Rail
- 914 Post Ball Cap for 4" Post with  
4" Diameter Ball
- 916 2 1/2" Wedge Base with Stud
- 917 Wedge Base for 4" Post
- 918 Wedge Base for 2" Post  
4 3/4" Angle
- 919 2" Slip Over Base
- 920 2 1/2" Slip Over Base
- 921 3/4" Square Base
- 922 3/4" x 1 1/2" Base
- 929 Cast "X" Insert (4" Opening)
- 933T 2-Way Swivel Bracket - 2"
- 935 3 3/4" OD Double Ring
- 936 Hanging Rail "L" Brackets
- 937 3 3/4" Cast Diamond
- 938 Angle Crossover Cap for 2"  
Step Post
- 939T Adj. End Fitting (for 905)
- 940 End Brkt. for Top & Bottom Rail
- 940B End Brkt. for #903 Bottom Rail
- 941 17" Cast "Fleur De-Lis" Insert
- 942 Cap for 2" Post
- 943 Post Ball Cap for 4" Post with  
2 1/2" Diameter Ball
- 946 Adj. End Brkt. Top (for 902)
- 947T Adj. End Fitting Top (for 901)
- 947B Adj. End Fitting Bottom
- 949 End Bracket for #902
- 950 Post Ball Cap for 2 1/2" Post
- 951 Post Ball Cap for 2 1/2" Post
- 952 Top Rail Hinge 2 1/2" w
- 953T 2-Way Swivel Bracket - 2 1/2"
- 953B 2-Way Swivel Bottom
- 954T Horiz. Swivel Brkt. Top - 2 1/2"
- 954B Horiz. Swivel Brkt. Bottom
- 955 Vertical Swivel Top 2 1/2" w
- 956 Vertical Swivel Bottom
- 957 Base for 2 1/2" Post (wedge type)
- 958 Angle Ramp Plate
- 959 Vertical Swivel Top 2" w
- 960 Crossover Cap for 2" Post
- 961 Cap for 2" Post
- 962 Top Rail Hinge 2" w
- 963 Top Rail Corner 2" w
- 964 Top Rail Corner 2 1/2" w
- 965 Crossover Cap for 2 1/2" Post
- 966 Crossover Cap for 2 1/2" Post (Flat)
- 967 Crossover Cap for 1 1/2" Sq. Tube
- 968 Base for 2" Post (Wedge Type)
- 969T Horiz. Swivel Brkt. Top - 2" w
- 970 Angle Crossover Cap for 2 1/2"  
Step Post
- 971 Cap for 2 1/2" Post (Heavy Wall)
- 972 Crossover Cap for 2 1/2" Post  
(Heavy Wall)
- 973 Heavy Duty Base for 2 1/2" Post
- 974 2 1/2" Sq. 42" with #973 Welded On
- 975 Side Mount Brkt. for 2 1/2" Post
- 976 Corner Side Mount Brkt. for 2 1/2" Post
- 977 Side Mount Bracket for 2" Post
- 978L Wall Return - LH for #905 Top Rail
- 978R Wall Return - RH for #905 Top Rail
- 979 End Cap for #905 Top Rail
- 980 End Cap for #901 Top Rail
- 981 End Cap for Bottom Rail
- 982 End Cap for #902 Top Rail
- 983 Lambs Tongue for #901 Top Rail
- 984T Horizontal Swivel for #902
- 985 Wall Brkt. for Handrail - 3"
- 986 Lambs Tongue for #905 Top Rail
- 988 90° Double Swivel for #905 Top Rail
- 989 Post Ball Cap for 2" Post
- 992 Post Finial for 2 1/2" Post
- 993 Cast Rose Snap-on Picket Insert
- 994 Cast Grape Snap-on Picket Insert
- 995 Cast Oak Snap-on Picket Insert
- 997 Cast "X" Insert (6" Opening)
- 998 Corner Side Mount Brkt. for 2" Post

### TUBING

- 990 2 1/2" Sq. - 16' white only & 18' Lgths.
- 377 2" Sq. - 16' white only & 18' Lgths.
- 380 4" Sq. - 16' Length



950 Railing (Style A), 905 Top Rail



900 Railing with Open Double Top Rail (Style B), 901 Top Rail



900 Railing (Style A), 901 Top Rail



900 Railing (Style A), 901 Top Rail, and Superior Aluminum Round Columns

**SERIES 9000** Meets ADA Regulations

## 9000 Railing

Clean, rigid design

Superior 9000 Railing features an attractive and innovative railing design. It's trademark machined post openings eliminate the need for brackets, which results in a clean, rigid design with added strength. This streamlined appearance lends itself to high-rises, but looks great in virtually any situation.

## 9900 Railing

A well-defined look

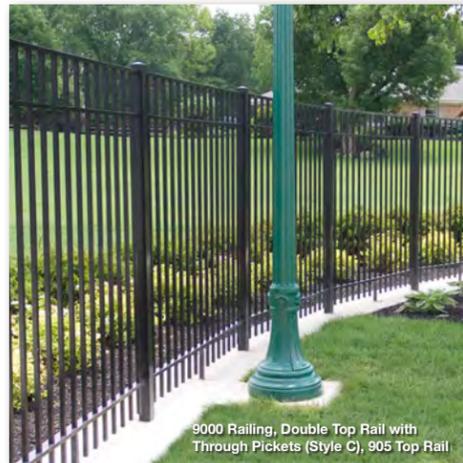
Superior 9900 Railing offers all the features of 9000 Railing in addition to 1 1/2" x 3/4" pickets. The wider pickets resemble the appearance of painted wood, but have the no-maintenance qualities of aluminum. 9900 Railing also lends itself well to high-rise applications.



9000 Railing, Double Top Rail with Through Pickets (Style C), 905 Top Rail



9000 Railing, Double Top Rail with Through Pickets (Style C), 905 Top Rail



9000 Railing, Double Top Rail with Through Pickets (Style C), 905 Top Rail



9000 Railing (Style A), 905 Top Rail



No brackets on level and ramp railing!



9000 Railing (Style A), 905 Top Rail

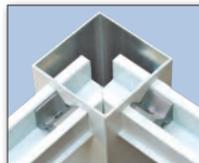


Swivel brackets are required for all step rail applications.

### Easy Assembly and Installation!



View of the underside of bottom rail to show rail wedge location.



**Series 9000 Railing is not only easy to assemble and install, but the machined post openings and factory assembled sections facilitate quick turn-around and cost savings.**

All posts are machined with openings to receive the top and bottom rails. As assembled railing is inserted into the openings, a rail wedge located in the bottom rail will ensure proper insertion of 1 1/4" inside the post.



View of the top rail without post cap to show rail tabs.



Predrilled rail tabs are provided with the post to connect the top rails. If a railing section or sections need to be shortened, simply saw an equal amount from each railing end with the use of a miter or circular saw. Reinstall and tighten the rail wedge using an 1/8" Allen Wrench on the bottom rail so 1 1/4" protrudes through the post openings. Next, connect the two top rails together with a rail tab, and drive the post cap in place with a rubber mallet.

**SERIES 900**

## 900 Railing

Well-crafted lines

The well-crafted lines of Superior 900 Railing fits almost any commercial or residential building application. It's beauty, strength and durability will complement your construction ideas.

## 950 Railing

Meets ADA regulations

Superior 950 Railing can be found wherever clean design and safety are a must. It's 2" maximum top rails meets federal ADA guidelines allowing for an easy, comfortable grip while maintaining a pleasing and aesthetic look. It is great for commercial and industrial applications as well as residential.

## 990 Railing

The look of wood

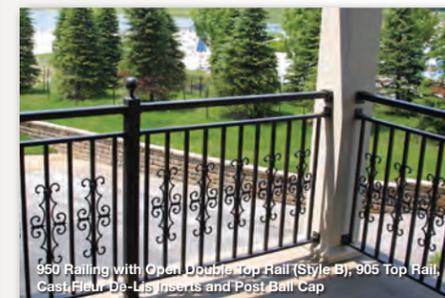
Superior 990 Railing rivals the look of painted wood, but has the no-maintenance qualities of aluminum. Best of all it won't split, warp, or rot due to outdoor elements. It's smooth, rugged and functional design has depth and detail that presents instant curb appeal.



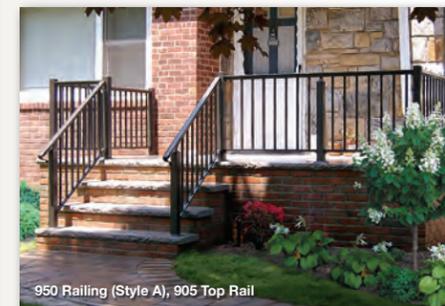
990 Railing (Style A), 902 Top Rail and Superior Panel Columns



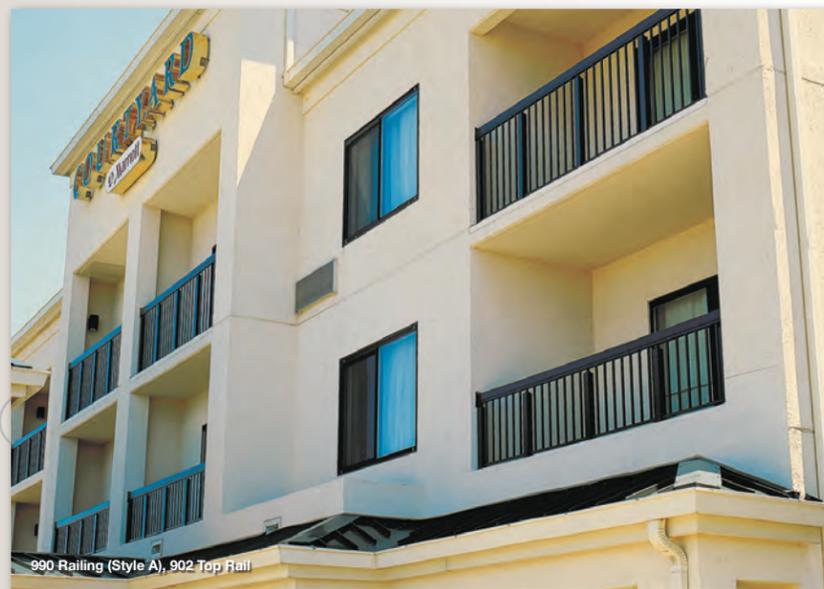
990 Railing (Style A), 902 Top Rail and Superior Panel Columns



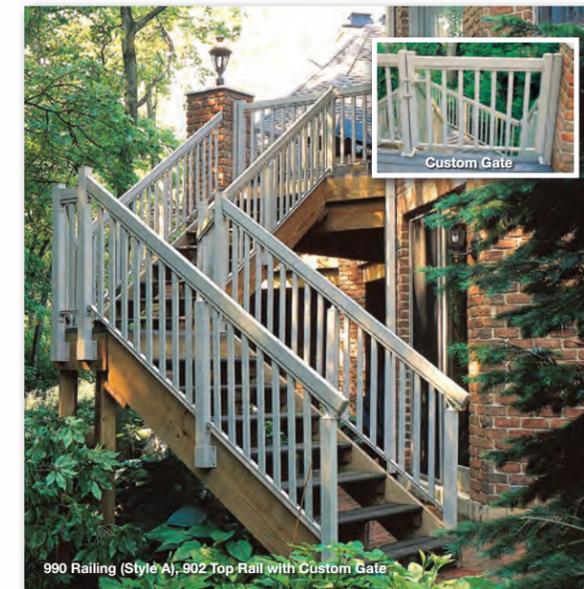
950 Railing with Open Double Top Rail (Style B), 905 Top Rail, Cast Iron, 1/2" Inserts and Post Ball Cap



950 Railing (Style A), 905 Top Rail



990 Railing (Style A), 902 Top Rail



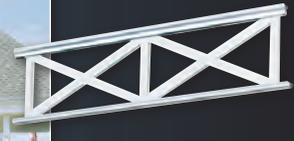
990 Railing (Style A), 902 Top Rail with Custom Gate

## Custom Applications

Superior Aluminum offers a variety of custom applications. These include, but are not limited to, attractive gates with custom locks, cast aluminum X-Inserts, an extruded X-Pattern System, snap-in privacy liner and custom rail lengths and heights. Call Superior Aluminum to discuss your needs.



Extruded X-Pattern System with Superior Panel Columns on balcony and Superior Fiberglass Columns below.



Ask about our extruded X-Pattern System (shown above and to the left) and cast aluminum X-Inserts (shown below).



9000 Railing with Custom Gate and Lock

Superior Aluminum manufactures attractive gates with custom locks upon request.



900 Railing with Cast Aluminum X-Inserts



Cast Aluminum X-Inserts

Ask about snap-in privacy liner to hide equipment/items out of view.



9000 Railing with Custom Gate and Lock



900 Railing with Custom Gate and Lock



9000 Railing with Double Top Rail (Style C), 905 Top Rail, Snap-in Privacy Liner

## MATERIALS -

(For 9000, 9900, 900, 950 and 990 Railing)

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 exposed 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.

(For 9000 900 and 950 Railing)

Pickets shall be 3/4" square on 4 1/2" centers.

(For 9900 and 990 Railing)

Pickets shall be 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 9000 or 900 Heavy-Duty Aluminum Railings, as manufactured and supplied by Superior Aluminum Products, Inc., Russia, Ohio 45363.

Series 9000 and 900 Railing meets federal safety requirements as determined by an independent testing laboratory. Test results available upon request. Superior Series 9000 and 900 Railing is protected by US Patent #3707276.



Shown in both photos above: Superior Series 500 Non-Welded Aluminum Pipe Railing and Superior Series 550 Non-Welded Aluminum Pipe Picket Railing.

Ask about our complete line of

## Superior Aluminum Products:

- Aluminum Columns – Round (Fluted) & Square (Fluted, Smooth, Panel)
- Fiberglass Columns – Round & Square
- Series 2000 Aluminum Cable Railing
- Series 500 Non-Welded Aluminum Pipe Railing
- Series 550 Non-Welded Aluminum Pipe Picket Railing
- Series 600 Custom Residential Railing & Columns
- Series 7000 Aluminum Picket Fence & Custom Gates
- Series 700 Aluminum Picket Fence & Custom Gates