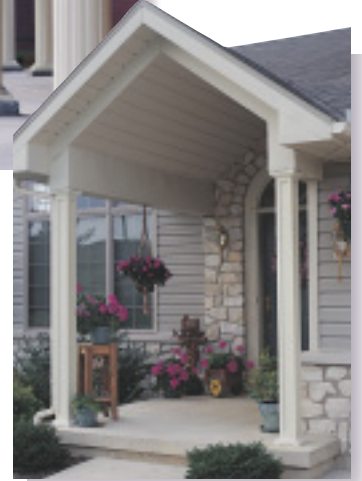




Aluminum Products, Inc.

# Columns Railings Fence

05 73 00/SUP  
BuyLine 0911



## Columns



## Railings



## Fence



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

E-mail address: [info@superioraluminum.com](mailto:info@superioraluminum.com)



ROUND OR SQUARE

# Aluminum Columns

## MR-Manufacturer

Superior Aluminum Products, Inc. has been serving the building and home improvement industries since 1956. The company has over 100,000 sq. ft. of modern fabrication facilities. Located in Russia, Ohio, Superior can provide excellent service through connections with all major truck lines in Dayton, Ohio. Superior has accounts throughout the United States, Canada, and Bermuda. All aluminum castings for Superior Products are produced by a sister company with 165,000 sq. ft. of production facilities.

## PP-Product Presentation

Superior extruded aluminum round or square columns recreate traditional elegance at very affordable prices. Fashioned from sturdy long-lasting aluminum, these smartly styled columns are perfect for either remodeling or new construction. Our aluminum columns are versatile, too. They can be used to create a classical mood on homes, churches, office buildings, schools, libraries, motels, museums, and other public buildings. Residential or commercial, indoors or out, beautiful aluminum columns are the low-cost way to add a touch of class to your architectural designs.

*The choice of elegance and dependability in any construction project*



Round Fluted Columns



Round Fluted Columns with Superior Aluminum Series 900 Railing (remodeled home)



Square Smooth Columns (remodeled home)



## Finishes

White

Almond

Tan

Sandstone

## Baked-On Paint

All round or square columns are supplied in permanent finishes. Four smart decorative finishes add a distinctive touch to any building. These baked-on finishes, white, almond, tan, and sandstone, or a primed finish are guaranteed to endure for years of continued service and maintenance-free beauty.

## Styling

The authentic design of each round or square column is complimented by various styles of caps and bases.

## Strength

They can be used as load bearing structural elements in entrances, covered walkways, lobbies, colonnades, balconies, and other structures.

**For Example:** A 6" diameter round column or a 6" wide square column that is 8 ft. in length is fully load bearing up to 16,000 lbs.

## Durability

Unlike wood, aluminum columns will not rot, split, warp, or weather. And, of course, termites hate them.

## Complete Range of Sizes

Round or square columns are provided to fit any application. (Refer to the "Dimensions and Load Data" charts for each column type).



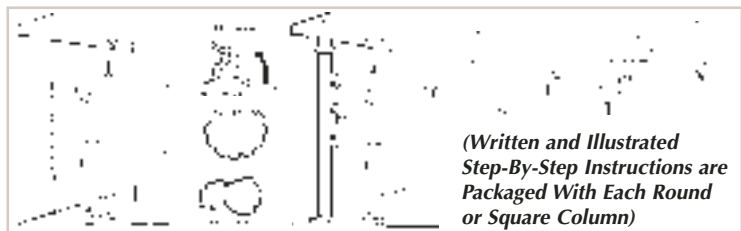
FULLY  
LOAD BEARING  
FROM  
16,000 LBS.



Square Panel Columns

## Easy Assembly & Installation

Cut the sections of each column to size, lock them together and slip them into the caps and bases. On Square Panel columns it will be necessary to attach top and bottom panels in recessed areas prior to slipping the cap and base over the ends of assembled column. That's all there is to it. Easy to follow, step by step assembly instructions are packaged with each Round or Square column.



*(Written and Illustrated Step-By-Step Instructions are Packaged With Each Round or Square Column)*



Square Panel Columns



Square Fluted Columns



Round Fluted Columns



Square Fluted Columns with Superior Series 400 Residential Railing



Square Panel Columns with Superior Series 950 Railing

**Question** - How do I know what diameter (or width) column will look right?

**Answer** - Architects have complex formulas for figuring this, but the basic rule of thumb is one inch of diameter (or width) for each foot of height. We also suggest that for buildings set back more than 300 feet from the road, you go one size larger, as columns viewed from this distance tend to look more slender.

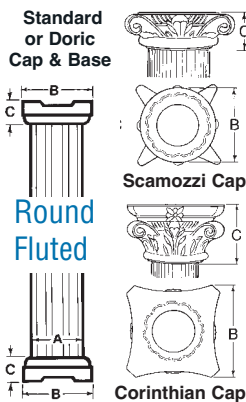
**Ask about our new All-Snap Aluminum Columns!**

## Caps and Bases

Superior Aluminum offers a complete line of aluminum caps and bases to fit Round Fluted Columns.

## Dimensions & Load Data

### ROUND COLUMNS



Nominal Diameter	Actual Diameter	Caps / Bases (width & height)								Standard Lengths in Ft.	No. Staves	Load Lbs.
		Standard		Doric		Scamozzi		Corinthian				
		B	C	B	C	B	C	B	C			
6"	5 <sup>5</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>4</sub>	11 <sup>5</sup> / <sub>16</sub>	-	-	-	-	-	-	8, 9, 10, & 12'	3	13,000
8"	8	10	21 <sup>1</sup> / <sub>16</sub>	12 <sup>1</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>4</sub>	12	5 <sup>1</sup> / <sub>8</sub>	15 <sup>3</sup> / <sub>4</sub>	10	8, 9, 10, 12, 14 & 16'	3	22,000
10"	10	12 <sup>1</sup> / <sub>4</sub>	27 <sup>1</sup> / <sub>16</sub>	14 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>4</sub>	12	5 <sup>1</sup> / <sub>8</sub>	15 <sup>3</sup> / <sub>4</sub>	10	8, 9, 10, 12, 14, 16, 18, 20'	4	25,000
12"	11 <sup>1</sup> / <sub>4</sub>	14 <sup>1</sup> / <sub>8</sub>	3	17	5	14 <sup>1</sup> / <sub>2</sub>	6 <sup>1</sup> / <sub>2</sub>	20	12 <sup>1</sup> / <sub>2</sub>	8, 9, 10, 12, 16, 18, & 20'	5	30,000
15"	14 <sup>3</sup> / <sub>8</sub>	17 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	20 <sup>3</sup> / <sub>4</sub>	5 <sup>3</sup> / <sub>4</sub>	18 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>4</sub>	23 <sup>1</sup> / <sub>2</sub>	15	12, 16, 18, 20, & 24'	6	34,000
18"	18	21 <sup>5</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	25 <sup>1</sup> / <sub>2</sub>	6 <sup>1</sup> / <sub>2</sub>	27	7 <sup>3</sup> / <sub>4</sub>	26 <sup>1</sup> / <sub>2</sub>	18	16, 18, 20, & 24'	6	38,000
24"	24	28	4 <sup>3</sup> / <sub>8</sub>	31 <sup>3</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>8</sub>	38 <sup>1</sup> / <sub>2</sub>	14 <sup>3</sup> / <sub>8</sub>	35 <sup>1</sup> / <sub>2</sub>	25	16, 18, 20, 24 & 30'	6	50,000
30"	30	-	-	43 <sup>5</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>2</sub>	-	-	-	-	16, 18, 20, 24, & 30'	8	50,000

**Note:** Column staves extend through all Standard and Doric Caps and Bases.

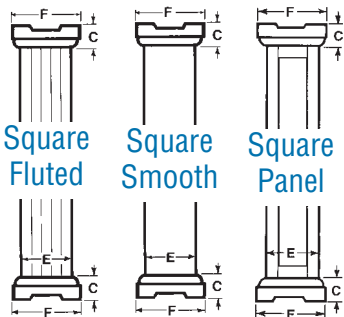
**Note:** Column staves extend into the Scamozzi and Corinthian Caps, up to the bearing plate that is welded to the top of each of these caps.

Tested lengths are underlined



...with All-Snap polymer composite Cap and Base

### SQUARE COLUMNS



All Square Fluted or Smooth and Panel Columns, 6" or larger, are available with Standard, Doric or Charleston Caps. Bases are available in Standard or Doric only.



**Caps and Bases-** Superior offers the Charleston Cap as well as Standard and Doric Caps and Bases to fit Square Fluted, Square Smooth, or Square Panel Columns.

Nominal Width	Actual Width	Caps / Bases (width & height)								Standard Lengths in Ft.	No. Staves Sq. Panel	Load Lbs.	
		Standard		Doric		Charleston							
		E	C	F	C	F	C	F					
Square Smooth & Panel - 4"	4"	4	1 <sup>3</sup> / <sub>8</sub>	6	-	-	-	-	-	8, 9, 10, & 12'	2	-	12,000
6"	6"	5 <sup>1</sup> / <sub>2</sub>	2	8 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>4</sub>	10 <sup>1</sup> / <sub>2</sub>	6 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>4</sub>	11	8, 9, 10, & 12'	4	4	12,000
8"	8"	7 <sup>1</sup> / <sub>2</sub>	2	10 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>4</sub>	12 <sup>1</sup> / <sub>2</sub>	6 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>4</sub>	12	8, 9, 10, 12, & 16'	4	4	18,000
10"	10"	9 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>16</sub>	12 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>4</sub>	14 <sup>1</sup> / <sub>2</sub>	6 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>4</sub>	13	8, 9, 10, 12, 16, & 18'	4	4	25,000
12"	12"	11 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	15	3 <sup>3</sup> / <sub>4</sub>	16 <sup>1</sup> / <sub>2</sub>	10	17 <sup>1</sup> / <sub>4</sub>	14	8, 10, 12, 16, 18, & 20'	4	4	27,000
*16"	16"	15 <sup>1</sup> / <sub>2</sub>	3	20	3 <sup>3</sup> / <sub>4</sub>	20 <sup>1</sup> / <sub>2</sub>	10	21 <sup>1</sup> / <sub>4</sub>	15	12, 16, 18, 20, & 24'	4	8	36,000

\*Smooth square column not available in 16" width.

**Note:** All square staves extend through caps and bases.

Tested lengths are underlined

Non-Welded Aluminum

**Superior**

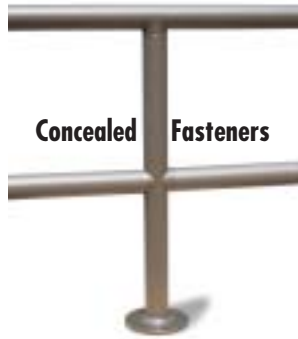
**SERIES**

# 500 Pipe Railing & 550 Pipe Picket Railing

Meets OSHA, ADA and BOCA Safety Criteria



500 Pipe Railing



500 Pipe Railing

## PP-Product Presentation

Superior Aluminum Non-welded Series 500 Pipe Railing and Series 550 Pipe Picket Railing are especially designed to utilize all the advantages of aluminum, where strength, durability and no-paint maintenance are key factors. The highest quality aluminum extrusions and castings are used with concealed fasteners, offering a smooth finish, making it the finest contemporary design available on the market today.

Components are easily assembled without welding by using mechanical fasteners at intersections and epoxy structural adhesive at splice joints.

Factory assembled (Series 500 or 550) railings are made to your exact specifications, resulting in further on-site fabrication savings. Special curves or pipe radius can easily be fabricated to fit your job. This makes for a practical sound investment for the budget-minded buyer.



550 Pipe Picket Railing



550 Pipe Picket Railing

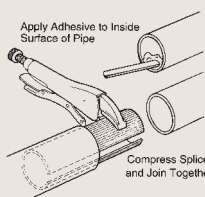
Posts and top rails are assembled to run in continuous lengths. This results in a system that is stronger than one with a cast tee and cross connections, and it provides a continuous smooth top rail surface. The Series 550 pickets are factory assembled with a tight drive-in-fit to the top and bottom rails to assure squareness and rigidity.

Preassembled sections up to 24 feet can be shipped factory-assembled or knocked down for reassembly.

Superior Aluminum Railings are available in standard heights of 32", 36", 42" or 48", and in custom heights upon request.

The clean contemporary design of Superior Aluminum Pipe Railing and Pipe Picket Railing, with your choice of eight decorative finishes, adds a distinctive touch to any building. Whether baked-on enamel, anodized or duranodic, these finishes are guaranteed to endure for years of continued service and maintenance-free beauty.

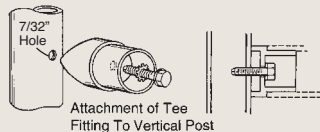
## Durable maintenance-free pipe railing which is quick and easy to install without welding.



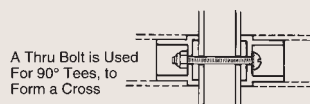
Railing splices are designed for a tight press fit and must be compressed with a pliers to permit them to slip into the pipe. The areas to be joined should be cleaned

thoroughly. Mix adhesive according to manufacturer's directions. Mix only enough that you can use within 1/2 hour. Apply adhesive to inside surface of pipe. Compress splice sleeve with a pliers, then slip into the pipe. Wipe off excess adhesive after components are properly joined. The areas connected together should be left undisturbed for eight hours, longer in cold weather.

## Tee Fittings



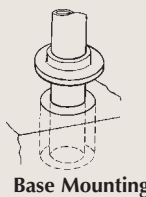
To attach the tee fitting to the post, a self tapping, stainless steel, hexagon head screw with lockwasher is positioned through the fitting and threaded into the 7/32" hole in the tubular post.



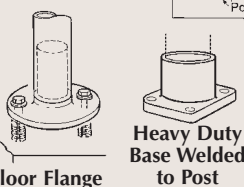
When two 90° tees are located directly opposite each other to form a cross, a stainless steel bolt, lockwasher and nut are used.

## Mounting Options

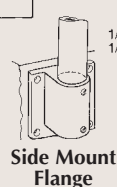
Pipe or picket railing can be embedded in concrete and grouted, or mounted on decks and platforms with base flanges, or side-mounted on fascia or stringer by means of fascia flanges.



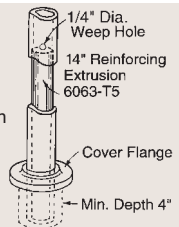
Base Mounting



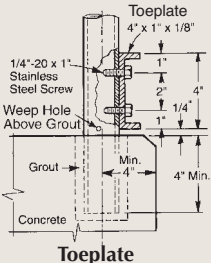
Heavy Duty Base Welded to Post



Side Mount Flange



Reinforcing Extrusion (optional)

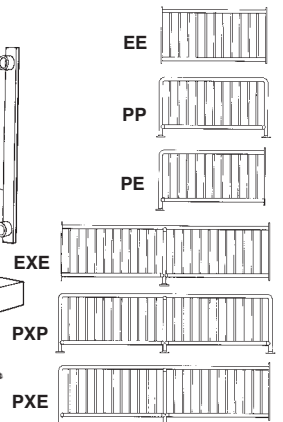
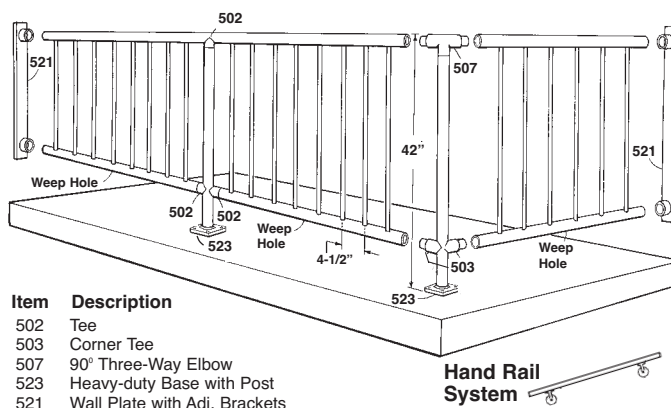
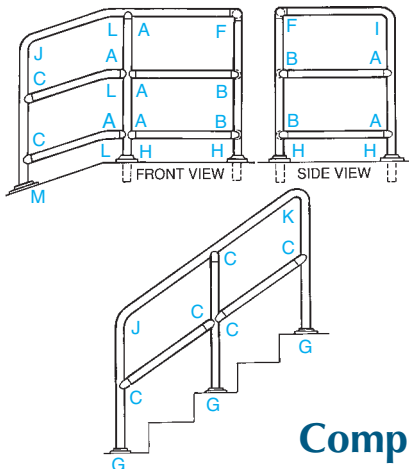


Toeplate



## Series 500 Pipe Railing - Part Applications - Series 550 Pipe Picket Railing

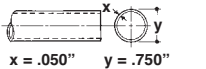
## Design Selections



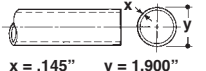
Item	Description
502	Tee
503	Corner Tee
507	90° Three-Way Elbow
523	Heavy-duty Base with Post
521	Wall Plate with Adj. Brackets

## Component Parts for Series 500 & 550

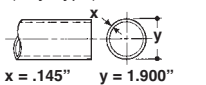
No. 5B Picket



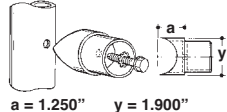
No. 500 1-1/2\"/>



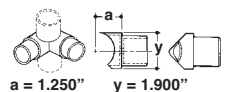
No. 501 Post (Any Type)



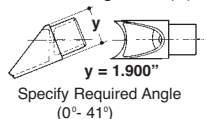
No. 502 Tee (A)



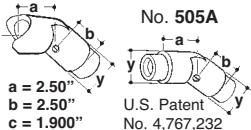
No. 503 Corner Tee (B)



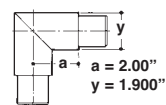
No. 504 Angle Tee (C)



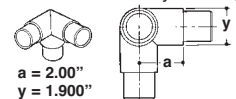
No. 505 Adj. Angle (0°- 38°)



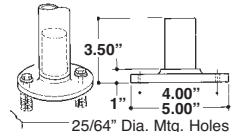
No. 506 90° Miter Elbow



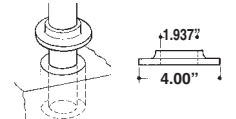
No. 507 90° 3-Way Elbow (F)



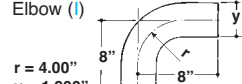
No. 508 Floor Flange (G)



No. 509 Cover Flange (H)



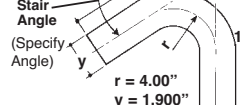
No. 510 90° Radius Elbow (I)



No. 511 Bottom Step Post Elbow (J) (Specify Angle)



No. 512 Top Step Post Elbow (K)



No. 513 Rail Elbow (L) (Specify Angle)



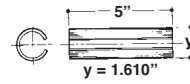
No. 514 Post Cap



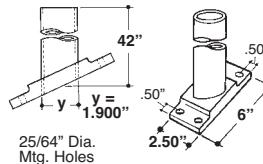
No. 515 Wall Bracket



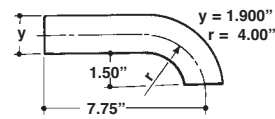
No. 517 Splice



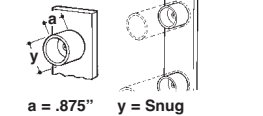
No. 518 Angle Flange with Post (M) (Specify Angle)



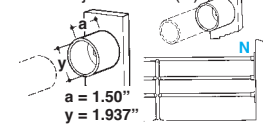
No. 519 Wall Return Bend



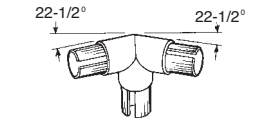
No. 520 Wall Plate with Brackets



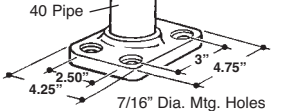
No. 521 Wall Plate With Adj. Brackets (N)



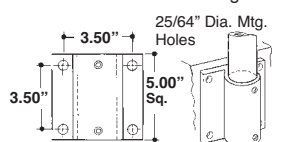
No. 522 135° 3-Way Elbow



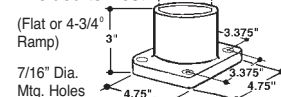
No. 523 Heavy-Duty Base with Post (Flat or 4-3/4\"/>



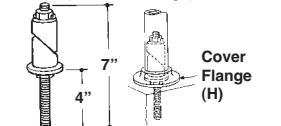
No. 540 Side Mount Flange



No. 541 Heavy-Duty Base Welded to Post (Flat or 4-3/4\"/>



No. 550 Wedge Base with Stud (with cover flange)



**TECHNICAL SUPPORT** - For continuous spans in excess of 40 feet, expansion joints should be provided. To make an expansion joint, one end of the spliced joint should not have structural adhesive applied so that it is free to move in or out of the pipe. If a joint is provided every 30 feet, the width of the gap should allow 1/8" expansion for each 40°F of expected temperature rise. All pipe railing splices should be made no more than 12" from the nearest post.

**MATERIALS** - All rails and posts shall be formed from extruded 6063-T6 aluminum of 1-1/2" Schedule 40 pipe size, except where there are formed elbows,

whereby, 6063-T4 is used. All pickets are 3/4" round, formed from extruded 6063-T5 aluminum. Railing accessories shall be cast from ANSI 713 alloy. All fasteners used in the system shall be aluminum or stainless steel.

**WORKMANSHIP** - All pipe cuts shall be square and accurate for minimum joint-gap. Cuts shall be clean and free of chamfer, from deburring, nicks and burrs. Holes shall be drilled the proper size for a tight flush fit of rivets and screws. All posts grouted in concrete must have one 1/4" diameter weep hole, 1/2" above post collar, in the plane of the rail.

**RIGIDITY** - Post spacing shall not exceed 6' 0" center-to-center. All posts will be unspliced single

pipe length. Lower rails shall be a single unspliced length between posts. All top rails shall be continuous whenever possible. All fasteners shall be tightened so that completed railing is rigid and free of play at joints and component attachments.

**SCOPE OF WORK** - Aluminum railings as shown on drawings shall be Superior Series 500 Pipe Railing, as manufactured and supplied by Superior Aluminum Products, Inc., Russia, Ohio 45363.

Superior Aluminum Series 500 railing meets federal safety requirements as determined by an independent testing laboratory. Test results available upon request.

# Superior Heavy-Duty Aluminum Railing

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

Meets OSHA, ADA and BOCA Safety Criteria

## PP-Product Presentation

Superior Series 900, 950, and 990 Heavy Duty Aluminum Railings offer the finest railing 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.

All Superior Series 900 Railings utilize the advantages of aluminum - strong, durable, rust and corrosion free. These characteristics make aluminum railings a practical, sound investment for the budget minded builder. The smart, contemporary design of Superior railing is an added plus. No complicated fittings. No costly custom-made fabrication. Just the minimum of fasteners make Superior railings easy to install.

Superior Series 900 Railings are available in various heights. Factory assembled railings are made to your exact specifications resulting in further site fabrication savings.

Series 900 Railings can be found wherever clean design and safety are a must. Great for condominiums, apartments, motels, churches, schools, commercial buildings and homes.

To make Series 900 even more versatile, decorative flat columns, inserts and scrolls are available.

## Finishes

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



Note: A tan finish is also available for the 950 Series only.

## SERIES 900-950-990



## SERIES 900

The Superior Series 900 design features a 3/4" square picket and a 2-1/2" square post. The standard top rail is 2-1/2" wide x 1-5/8", but a 2" x 4" high top rail is also available.



## SERIES 950

The Superior Series 950 design meets ADA Regulations, requiring a 2" wide maximum width for the top hand rail. Pickets are 3/4" square and posts are 2" square.



## SERIES 990

The Superior Series 990 design simulates wood, but has the no-maintenance qualities of aluminum. It features 1-1/2" wide x 3/4" pickets and 2-1/2" square posts. The standard top rail is 2" wide x 4" high, but 2" or 2-1/2" wide x 1-5/8" high top rails are also available.

## Railing Style Systems: Superior Aluminum offers various styles to fit almost any application in Series 900, 950, and 990 Railing.



### Style A Standard Top Rail System:

Available top rail size options: 2" wide x 1-5/8" high, 2 1/2" wide x 1-5/8" high, or 2" wide x 4" high.



### Style B Double Top Rail System:

Available top rail size options - 2" wide x 1-5/8" high, 2-1/2" wide x 1-5/8" high, or 2" wide x 4" high.



### Style C 4" Square Post System:

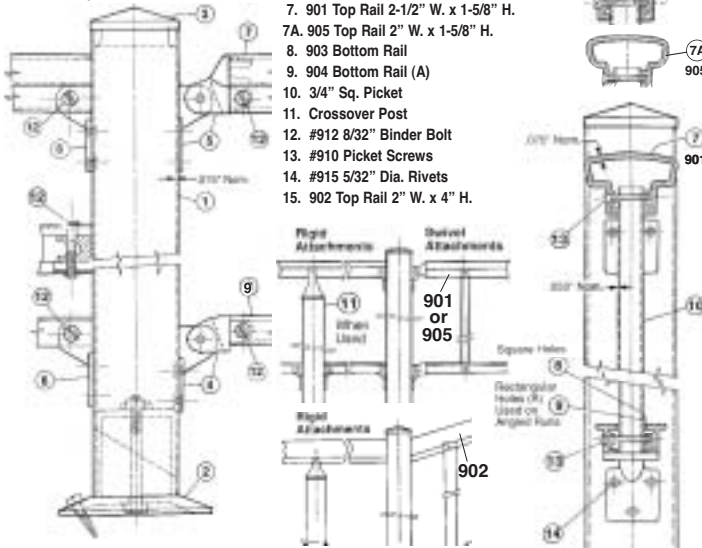
Available top rail size options - 2-1/2" wide x 1-5/8" high, or 2" wide x 4" high.



Series 900 Railing with Superior Aluminum Round Fluted Columns.

# Assembly Identification

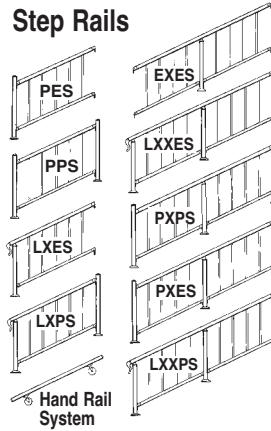
1. #990 2-1/2" Tube .075" Wall
2. 957 Base Assembly
3. 950 Cap
4. 956 Bottom Rail Swivel Assem.
5. 955 Top Rail Swivel Assem.
6. 940 Top & Bottom Rigid Attachment
7. 901 Top Rail 2-1/2" W. x 1-5/8" H.
- 7A. 905 Top Rail 2" W. x 1-5/8" H.
8. 903 Bottom Rail
9. 904 Bottom Rail (A)
10. 3/4" Sq. Picket
11. Crossover Post
12. #912 8/32" Binder Bolt
13. #910 Picket Screws
14. #915 5/32" Dia. Rivets
15. 902 Top Rail 2" W. x 4" H.



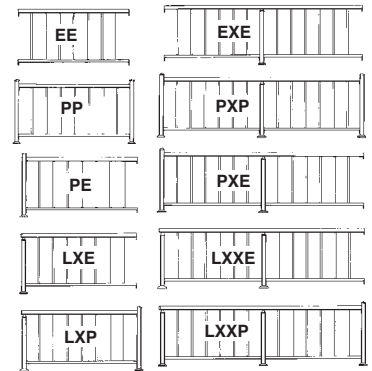
# Design Selections

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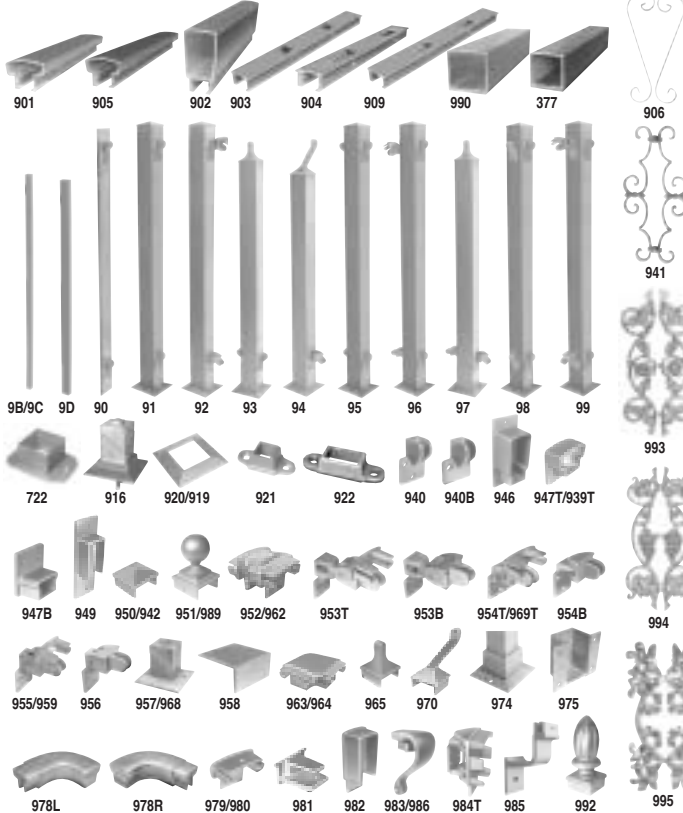
## Step Rails



## Straight Rails



# Component Parts



## RAILS

- 901 Top Rail 2-1/2" W. x 1-5/8"H. (18' & 24')
- 902 Top Rail 2" W. x 4" H. (18' & 24' lengths)
- 903 Bottom Rail (Sq. Hole) 1-5/8" W. x 3/4" H. (16' & 18' Lengths)
- 904 Bottom Rail (Rect. Hole) 1-5/8" W. x 3/4" H. (16' & 18' Lengths)
- 905 Top Rail - 2" W. x 1-5/8" H. (18' & 24' Lgth.)
- 909 Bottom Rail (1-1/2" W. Hole) 16' & 18' Lgth.

## FASTENERS

- 910 Picket Screws
- 912 Rail Bracket Binder Bolt
- 915 Post Brkt. 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

- 722 Base for 2" or 2-1/2" Post
- 906 17" Heart Scroll
- 916 2 1/2" Wedge Base /w Stud
- 918 Wedge Base for 2" Post
- 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
- 939T Adj. End Fitting (for 905)
- 940 End Brkt. for Top & Bot. Rail
- 940B End Brkt. for #903 Bot. Rail
- 941 17" Cast "Fleur De-Lis" Insert
- 942 Cap for 2" Post
- 946 Adj. End Brkt. Top (for 902)
- 947T Adj. End Fitting Top (for 901)

## RAILS

- 947B Adj. End Fitting Bottom
- 949 End Bracket for #902
- 950 Cap for 2-1/2" Post
- 951 Post Ball Cap for 2-1/2" Post
- 952 Top Rail Hinge 2-1/2" W.
- 953 2-Way Swivel Bracket
- 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 Flat 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" - 3/16" w/#973 Welded On
- 975 Side Mount Brkt. for 2-1/2" Post
- 976 Corner Side Mount Brkt for 2-1/2" 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
- 986 Lambs Tongue 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

## TUBING

- 990 2-1/2" Sq.-16' & 18'Lgths.
- 996 2 1/2" Sq.-18' Length (3/16"Wall)
- 377 2" Sq. - 16' Length
- 380 4" Sq. - 16' Length

# Specifications

**MATERIALS** - (For Series 900, 950, and 990)  
All rails, posts and pickets shall be formed from 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** - (For Series 900 and 950)  
The railing system shall consist of 2" or 2-1/2" square posts that can be either base mounted, side mounted or embedded into concrete. The top rail shall be 2" or 2-1/2" wide and the bottom rail a minimum of 1-5/8" wide. Pickets shall be

3/4" square on 4-1/2" or 6" centers, and shall run between the top and bottom rail. The top rail shall be continuous in lengths up to 24'. The railing system will adapt to step railing requirements by specifying a rectangular hole in bottom rail.

**INSTALLATION** - (For Series 990)  
The railing system shall consist of 2-1/2" square posts that can be either base mounted, side mounted or embedded into concrete. The top rail shall be 2" or 2-1/2" wide and the bottom rail a minimum of 1-5/8" wide. Pickets shall be 1-1/2" x 3/4" on 5-1/4" or 6" centers, and shall run between the top and bottom rail. The top rail

shall be continuous in lengths up to 24'. The railing system can meet step railing requirements by specifying the riser and tread dimensions of the steps.

**SCOPE OF WORK** - Aluminum railings as shown on drawings shall be Superior Series 900 Heavy-Duty Railing, as manufactured and supplied by Superior Aluminum Products, Inc., 555 E. Main St., Russia, Ohio 45363.

Series 900 railing meets federal safety requirements as determined by an independent testing laboratory. Test results available upon request. Superior Series 900 railing is protected by U S Patent #3707276.

# Aluminum Custom Residential Railing **SERIES 600**

## PP-Product Presentation

Superior Series 600 Custom Aluminum Railings offer the most design features for the residential or low-rise, garden-type apartment market. This handsome, factory assembled aluminum railing is available in eight attractive finishes: satin anodized or white, almond, sandstone, green, black, light bronze, or dark bronze baked-on enamel. And in four interesting picket patterns: straight, straight and twisted, straight and diamond, and twisted. A variety of decorative inserts and scrolls is available, making it one of the most versatile series on the market today.



Series 600 Railing with Superior Aluminum Decorative Columns and inserts.



Series 600 Railing with Superior Aluminum Square Panel Columns

## Specifications

**MATERIALS** - All rails, posts and pickets shall be formed from 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 shall consist of 1-1/2" square posts that can be either base mounted or embedded into concrete. The top rail shall be a minimum 1-1/2" wide and the bottom rail a minimum of 1-3/8" wide. Pickets shall be 1/2" square on approximately 6", 4", or 3" centers and shall run between the top and bottom rail. The rail shall be continuous lengths up to 16'. The railing system will adapt to step railing requirements by specifying a rectangular hole in the bottom rail.

Superior 600 Railings are available in heights from 32" to 42". This railing can be purchased custom-made to your specifications or it can be purchased K-D and assembled at jobsite.



Series 600 railing meets federal safety requirements as determined by an independent testing laboratory. Test results available upon request.

**SCOPE OF WORK** - Superior Series 600 Aluminum Railing shall be manufactured and supplied by Superior Aluminum Products, Inc., 555 E. Main St., Russia, Ohio 45363.

# Aluminum Picket Fence **SERIES 700**

## PP-Product Presentation

**MAINTENANCE FREE** - For perimeter fencing, pool railings and dividers on residential, commercial, institutional, multi-housing and municipal installations. Superior Picket Fence utilizes all the advantages of aluminum—strong, durable, rust and corrosion free. No complicated fittings. No costly custom-made fabrication. These characteristics make Superior Picket Fence a sound investment for the budget-minded builder.

**Ornamentation:** Cast aluminum ornaments and extruded scrolls are available for a special decorative touch.

**MATERIALS** - All rails, posts, and pickets shall be formed from 6063-T5 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.

**SCOPE OF WORK** - Superior Series 700 Aluminum Fence shall be manufactured and supplied by Superior Aluminum Products, Inc., 555 E. Main St., Russia, Ohio 45363.



## Specifications

**Height:** 36" to 72"

**Post:** (optional) 2-1/2" square. Base mounted or easily embedded in concrete. Finished to match pickets.

**Pickets:** 3/4" square. Formed spear, cast spear or flat top.

**Picket spacing:** 3", 4-1/2", or 6" centers.

**Length:** Maximum of 6' long sections.

**Finish:** White, almond, sandstone, green, black, light bronze, or dark bronze baked-on enamel, and satin anodized.

**Adjustment:** Can be made for uneven terrain.

**Assembly:** Shipped assembled or knocked down.

**Superior** Aluminum Products, Inc.

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