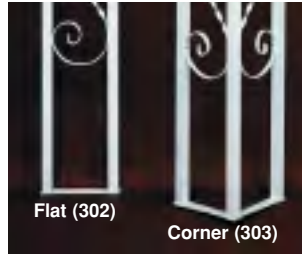


Superior Aluminum Decorative Columns for Beauty and Strength

Use Superior Aluminum Columns to add architectural interest to any home, apartment, or small commercial building. Period or Contemporary. Old or New World look. There's a Superior column design to meet a wide spectrum of needs and tastes.

The delicate beauty of Superior Aluminum columns belies their rugged strength. A standard (8') 1-1/2" flat column, for example, can support up to 2,500 lbs. A 1-1/2" standard height corner column can support up to 6,500 lbs.! With Superior Aluminum Columns you get elegance and strength combined.



To order, use numbers shown below. Even numbers (302, 304, etc.) are flat columns; odd numbers (303, 305, etc.) are for corner columns.

Superior Series 900 Railing with Series 600 Decorative Columns.

Superior

SERIES
600
Custom Aluminum Residential Railings and Columns



Twelve Attractive Designs

All columns shown above are available in 1" Square Extruded Tube by 8" wide overall and in 1-1/2" Square Extruded Tube by 9" wide overall. The 352/353 and 354/355 designs are also available in 1-1/2" Square Extruded Tube by 12" wide overall and available with 2" or 2-1/2" square tubing.

Standard columns are fabricated 8 ft. high with top and bottom brackets. Custom heights are available as required. All are available in baked enamel finishes in any of the nine colors that are offered for the railings.

NOTE: Designs (352, 353, 354, and 355, marked with an asterisk), are shown as a 12" wide column.

NOTE: No. 302 & 303 designs are shown in the 1" Extruded Tube size by 8" wide, however, it is also available in the standard 1-1/2" x 9" size.

Superior Aluminum Products, Inc.

555 E. MAIN STREET, P.O. BOX 430, RUSSIA, OHIO 45363
Phone (937) 526-4065 Fax (937) 526-3904

Our Website: www.superioraluminum.com
E-mail address: info@superioraluminum.com





Custom Aluminum Residential Railings and Columns

SERIES 600

Superior Series 600 Custom Aluminum Railings offer the most design features for the residential or low rise, garden-type apartment market. High quality aluminum extrusions and castings are used to provide maximum strength and support.

The Series 600 streamlined design presents an attractive appearance, while still maintaining the advantages of aluminum—strong, durable, and rust-free. These characteristics make aluminum railings a practical, sound investment for any owner concerned about overall cost.

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

Consider the Advantages

Versatility - Complete range of sizes, three picket patterns and a wide variety of scrolls.

Durability - All aluminum construction, plus electrostatic painting or anodizing.

Easy Installation - Unique, no-weld design, utilizing cast aluminum fittings.

Standard Railing - Available in 32", 36" or 42" heights.

Step Rails - Furnished with swivel fittings - will adjust to any step angle.



Series 600 Decorative Columns.

Specify Superior Aluminum columns, inserts, and scrolls to add even more versatility to the Series 600 Railing.



Series 600 Railing with Superior Square Smooth Columns.



Series 600 Railing with Superior Square Panel Columns.



Series 600 Railing



Series 600 Railing with Series 600 Decorative Columns.

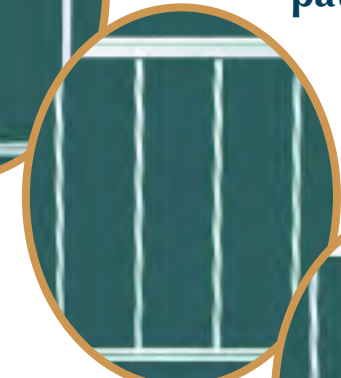


Finishes

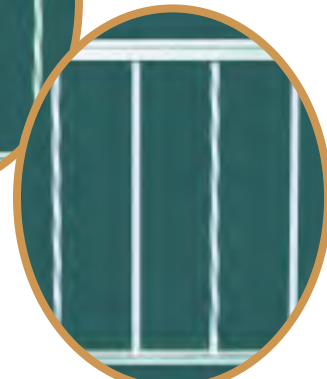
Nine decorative finishes add a distinctive touch to any building. Whether baked-on enamel or anodized, these finishes are guaranteed to endure for years of continued service and maintenance-free beauty.



Straight Pattern



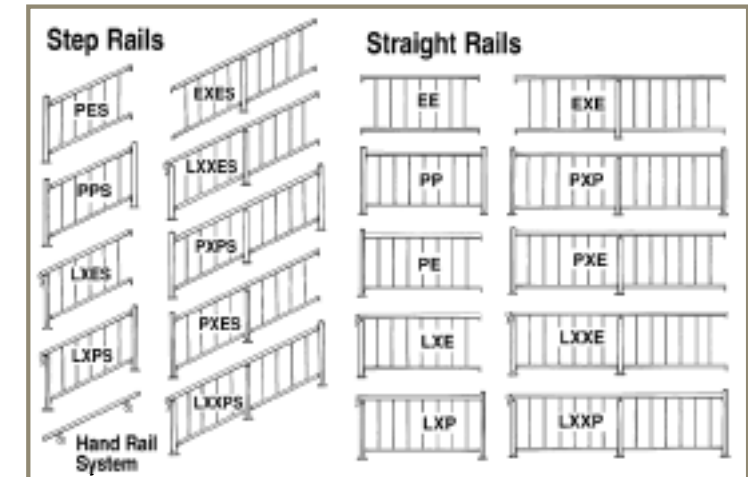
Twisted Pattern



Straight & Twisted Pattern

Select the railing designs and picket pattern to suit your needs.

Design Selections



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.

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



Series 600 Railing with Superior Square Panel Columns.

**SERIES
900**

Superior Aluminum Railing

Strong, Durable and Maintenance-Free Beauty!

Meets OSHA, ADA and ICC Safety Criteria



Superior manufactures attractive gates with custom locks upon request. Series 900 Railing on brick retaining wall.



The balcony is supported by Superior Fiberglass Columns.

Ask about our extruded X-Pattern System on the balcony above, with Superior panel column posts.



Also available are cast aluminum X-inserts that can be mounted in Superior Series 900 Railing.



The balcony railing shown on roof top is Series 990 with Superior panel column posts. The railing shown in foreground is Series 900.

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 Aluminum Railings, as manufactured and supplied by Superior Aluminum Products, Inc., 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.

Ask about our complete line of other...

Superior Aluminum Products:

- Round and All-Snap Fluted Aluminum Columns
- Square Fluted, Panel and Smooth Aluminum Columns
- Fiberglass Columns - Round & Square
- Series 500 Non-Welded Aluminum Pipe Railing
- Series 550 Non-Welded Aluminum Pipe Picket Railing
- Series 600 Custom Residential Railing & Columns
- Series 700 Aluminum Picket Fence & Custom Gates
- Series 800 Quick-Lock Aluminum Pipe Rail
- Spun Aluminum Flagpoles and Flags



Superior Round Aluminum Columns



Superior Non-Welded Pipe Picket Railing



Superior Series 700 Aluminum Picket Fence & Custom Gates

Superior Aluminum Products, Inc.

555 E. MAIN STREET • P.O. BOX 430 • RUSSIA, OHIO 45363

Phone (937) 526-4065

Fax (937) 526-3904

Our Website: www.superioraluminum.com

E-mail address: info@superioraluminum.com

Form No. 910C



Strong, Durable, and Maintenance-Free Beauty!

Superior Heavy-Duty Aluminum Railing

SERIES
900
950
990

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 heights from 32" to 48". Optional pool railing is available in heights up to 72". 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

Smart, decorative finishes 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.



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" high, but a 2" x 4" high top rail is also available.



SERIES 950

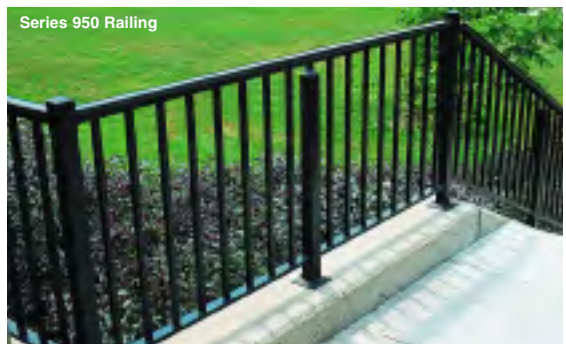
The Superior Series 950 design meets ADA Regulations, requiring a 2" wide maximum width for the top hand rail. Pickets are 3/4" square and posts are 2" square.



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.

The Series 900, 950, and 990 meet OSHA and ICC Safety Criteria.



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.

2-1/2" wide x 1-5/8" high Top Rail, 3/4" sq. Pickets - Series 900

2" wide x 4" high Top Rail, 1-1/2" x 3/4" Pickets - Series 990

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.

2-1/2" wide x 1-5/8" high Top Rail, 3/4" sq. Pickets. In the application below, cast "Fleur De-Lis" inserts are used. Series 900

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.

4" Square Posts and 2" wide x 4" high Top Rail, 1-1/2" x 3/4" Pickets. Series 990

Style D Hand Rail System: (with mtg. brackets)

Available hand 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. Superior Series 500 Pipe Rail (not shown) is also available.

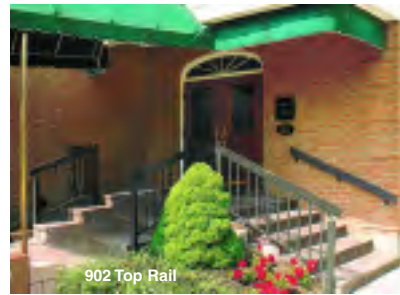
In both of these applications a 2" wide Hand Rail is used to meet ADA Regulations. Series 950

SERIES 900

Well-crafted lines

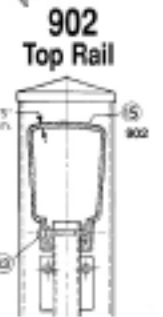
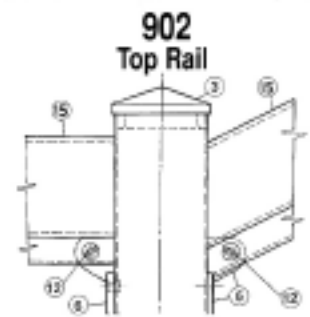
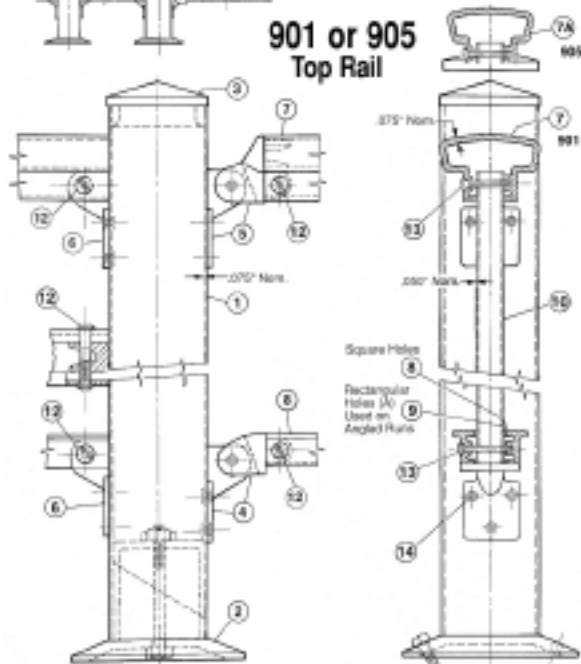
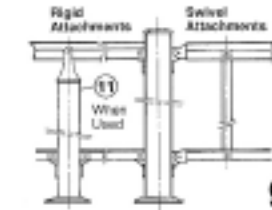
The well-crafted clean lines of Superior Series 900 railing fits almost any commercial or residential building application. It's beauty, strength and durability will compliment your construction ideas.

900
950
990



Assembly Identification

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

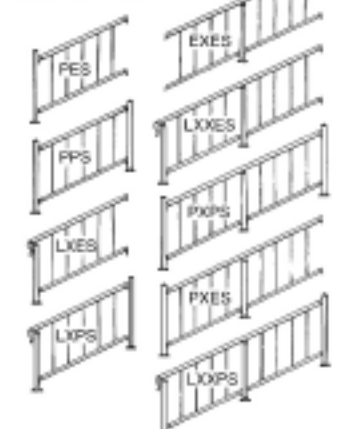


Design Selections

Straight Rails 900, 950 or 990



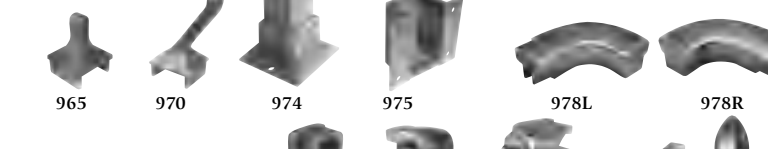
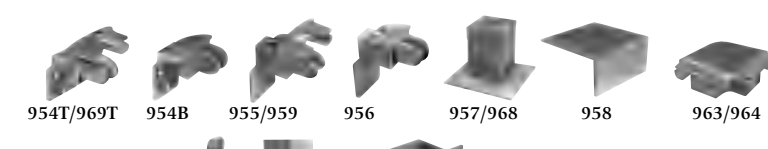
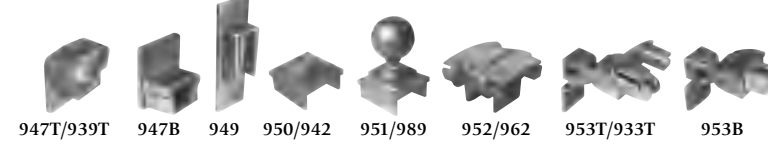
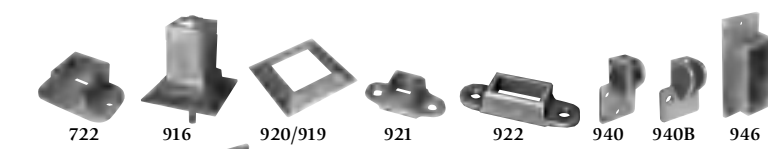
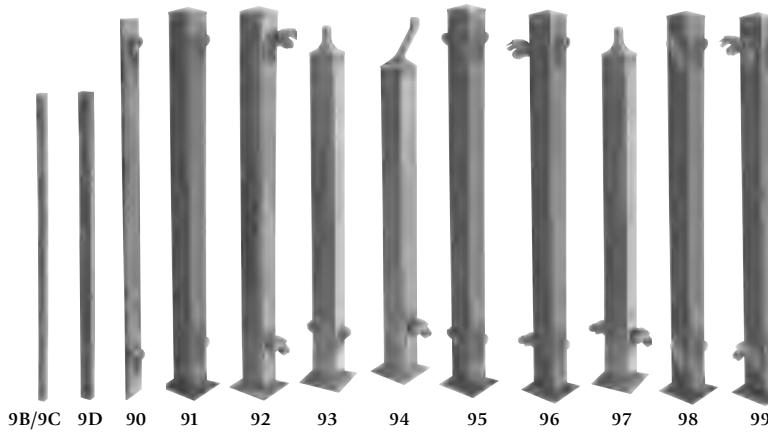
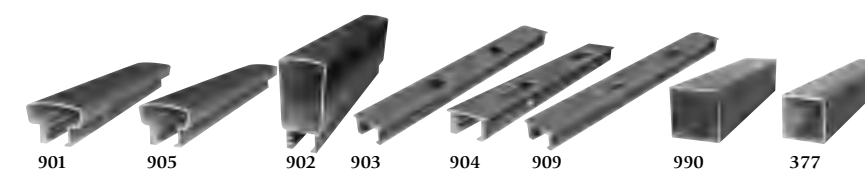
Step Rails 900, 950 or 990



Hand Rail System



Component Parts



Parts Description

RAILS

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

- 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 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" - 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
- 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 Bracket for 2" Post

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
- 906
- 941
- 993
- 994
- 995

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

CAST FITTINGS

- 722 Base for 2" or 2-1/2" Post
- 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 /w Stud
- 917 Wedge Base for 4" Post
- 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
- 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 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" - 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
- 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 Bracket for 2" Post

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

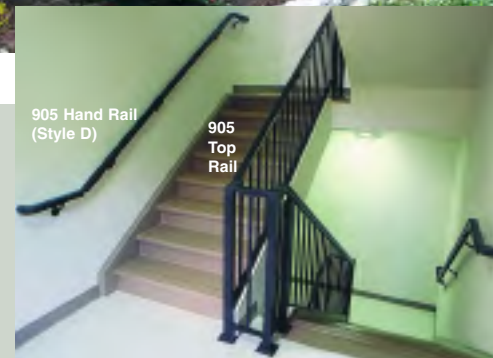
SERIES 950

Meets ADA regulations

Superior Series 950 Aluminum Railing was developed to meet state, local and federal codes requiring ADA Regulations and Guidelines. The narrowed 2" maximum top rail on the series 950 allows for a normal grip on ramps, stairs, or on horizontal railing and still maintains a pleasing and aesthetic look. The Series 950 Railing is used on office buildings, commercial applications, hospitals, industrial and educational environments, as well as apartments and homes.



905 Top Rail with Superior Aluminum Panel Columns



905 Hand Rail (Style D)

905 Top Rail



905 Top Rail



905 Top Rail with Superior Aluminum Square Columns.



905 Top Rail with Superior Aluminum Square Smooth Columns.



905 Top Rail. In this application separate 905 Hand Rails are provided (Style D).

SERIES 990

The look of wood

Superior Series 990 Aluminum 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 rain, ice, sunshine, or other outside elements. The Series 990 Railing, with its smooth, rugged and functional design, has depth and detail that has instant curb appeal.



902 Top Rail with 4" Post (Style C).



901 Top Rail with Superior Aluminum Panel Columns



902 Top Rail



Custom Gate

902 Top Rail



902 Top Rail



902 Top Rail

Superior

Non-Welded Aluminum
Pipe Railing

Meets OSHA, ADA and ICC Safety Criteria

SERIES
500
550



Strong, Durable and Maintenance-Free!

www.superioraluminum.com



Series 500 Pipe & Series 550 Pipe Picket Non-Welded Aluminum Pipe Railing

Meets OSHA, ADA and BOCA Safety Criteria

Superior Series 500 Pipe Railing and Series 550 Pipe Picket Railing are designed to utilize all the advantages of aluminum, where strength, durability and no-paint maintenance are key. The highest quality aluminum extrusions and castings are used with concealed fasteners to create a clean, contemporary design.

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

Superior Pipe and Pipe Picket Railings are factory assembled and made to your exact specifications. Special curves or pipe radius can easily be fabricated to fit your needs. This results in further on-site fabrication savings and makes a practical sound investment for the budget-minded buyer.

Posts and top rails for Pipe and Pipe Picket Railings are assembled to run in continuous lengths. Not only is this system stronger than one with cast tee and cross connections, but

it also provides a continuous smooth top rail surface. Furthermore, pipe pickets are factory assembled with a tight drive-in-fit to the top and bottom rails to ensure squareness and rigidity.

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

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

Finishes

The clean, contemporary design and smart, decorative finishes of Superior Pipe and Pipe Picket Railing add a distinctive touch to any building. Whether baked-on enamel, anodized or duranodic, these finishes are guaranteed to endure for years of maintenance-free beauty.



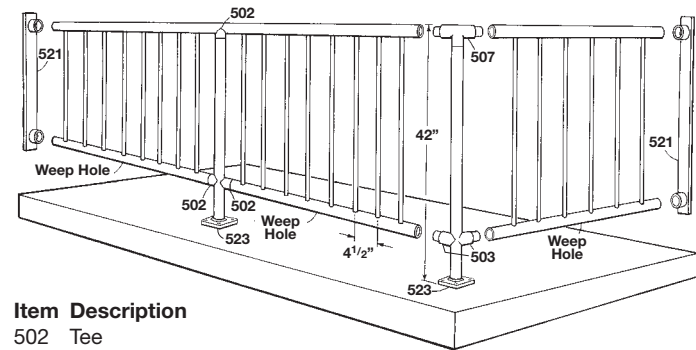
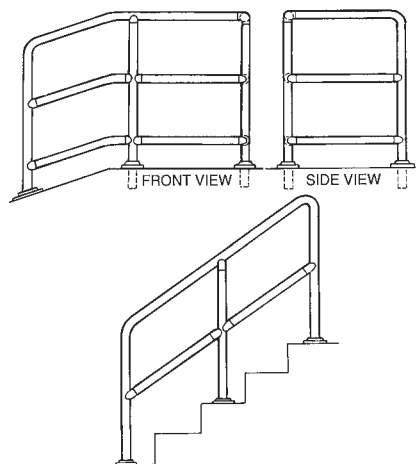
Concealed fasteners allow for a smooth surface and create a clean, contemporary design



Part Applications

Series 500 Pipe Railing

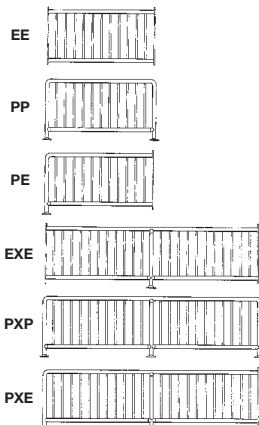
Series 550 Pipe Picket Railing



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

Hand Rail System

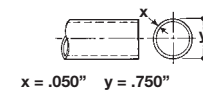
Pipe Picket Railing Design Selections



Component Parts

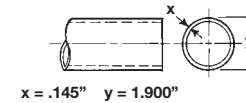
For Series 500 Pipe Railing & Series 550 Pipe Picket Railing

No. 5B Picket

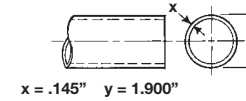


No. 500

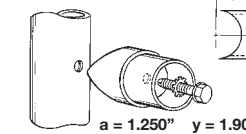
1-1/2" Schedule 40 Pipe - 24'



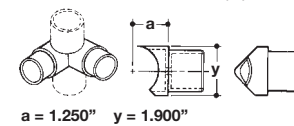
No. 501 Post (Any Type)



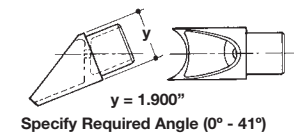
No. 502 Tee (A)



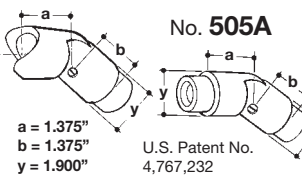
No. 503 Corner Tee (B)



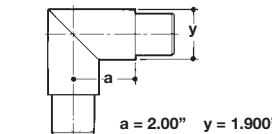
No. 504 Angle Tee (C)



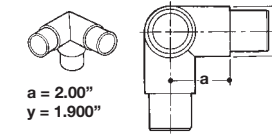
No. 505 Adj. Angle (0° - 38°)



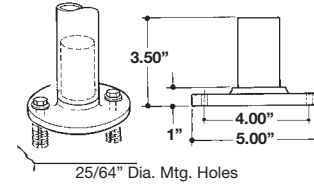
No. 506 90° Miter Elbow



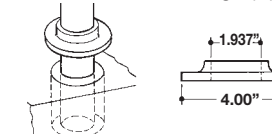
No. 507 90° 3-Way Elbow (F)



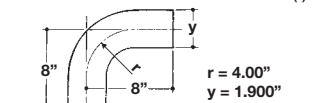
No. 508 Floor Flange (G)



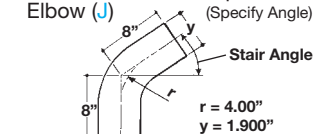
No. 509 Cover Flange (H)



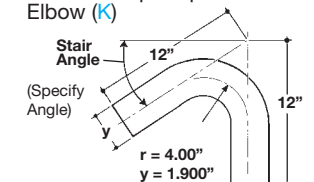
No. 510 90° Radius Elbow (I)



No. 511 Bottom Step Post Elbow (J)



No. 512 Top Step Post Elbow (K)



Consider the advantages:

- Strong, Durable and Functional Design
- No Painting – No Rusting
- Unlimited Design Options
- Quick & Easy Installation Without Welding
- Saves on Installation and Maintenance Labor



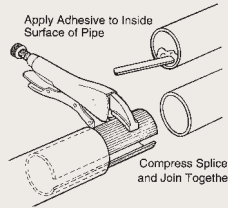
Plus, the possibilities for contractors, builders & architects:

- Handicap Ramps
- Condominiums
- Industrial Buildings
- Stores
- Waste Water Treatment Plants
- Nursing Homes
- Municipal Buildings
- Schools
- Office Buildings
- Motels
- Churches
- Hospitals
- Factories
- Amusement Parks
- Restaurants
- Swimming Pools
- Cafeterias

Easy Assembly and Installation! *No welding required.*

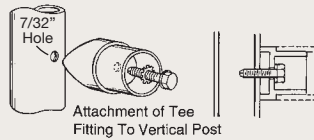
Railing Splices

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.

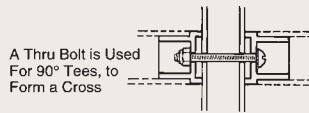


Tee Fittings

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.

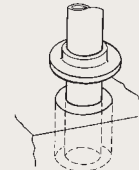


When two 90° tees are located directly opposite each other to form a cross, a stainless steel through bolt, lockwasher and nut are used.

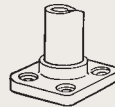


Mounting Options

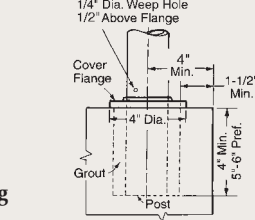
Pipe or picket railing can be embedded in concrete and grouted, or mounted on decks and platforms with base flanges, or side-mounted on fascia or stringer by means of fascia flanges.



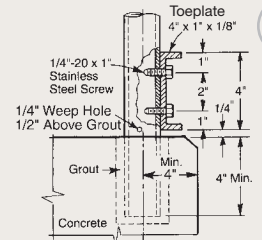
Base Mounting



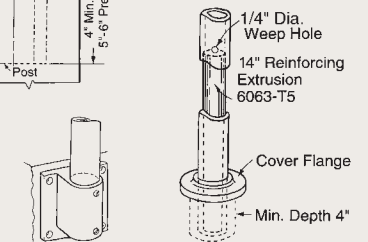
523 Heavy-Duty Base



541 Heavy-Duty Base



Toeplate

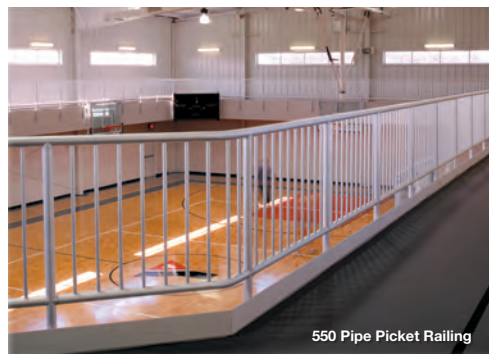


540 Side Mount Flange

Reinforcing Extrusion (optional)



550 Pipe Picket Railing with Double Top Rail



550 Pipe Picket Railing



550 Pipe Picket Railing

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. All railing accessories shall be cast from ANSI 713 alloy. All fasteners used in the system shall be aluminum or stainless steel.

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.

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.

SCOPE OF WORK -

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

Superior Aluminum Products, Inc.

555 East Main • P.O. Box 430 • Russia, OH 45363
937-526-4065 • Fax: 937-526-3904

info@superioraluminum.com • www.superioraluminum.com