

American Structures & Design, Inc.
Aluminum Railing Systems

Shaping the Future

Made from high strength, lightweight aluminum, simple to install, requires little to no maintenance, and a leader in the green movement.



Simple · **Versatile** · Smart
The **Aluminum** Advantage

American Structures & Design, inc.

American Structures & Design, inc.

is your single source for aluminum profile manufacturing, fabrication and finishing requirements. We are a greenhouse for ideas where anything is possible. We develop each product in close cooperation with our customers to ensure project specifications and requirements are met from start to finish.

Residential Railing System

American Structures & Design, inc.

Residential Railing System consists of high quality extruded framing members, tempered glass, aluminum pickets and stainless steel cable. Engineered to be simple and versatile, our railings are easy to field fabricate and install in practically any deck application. Because our systems are partially field fabricated, accurate field measurements are not required and there are no delays for factory fabrication. Standard components are available from stock, so work can begin soon after ordering materials.

Our Residential Railing System is most commonly used for single-family homes, but is also ideal for 2 to 3 story condominiums, office buildings, apartments, and hotels. The Residential Railing System is the perfect solution for use on a number of projects such as: balconies, decks, stairs, wind-breaks, terraces, around swimming pools, privacy screens, and more.

- Standardized *Alumarail* components available from stock
- Systems are easily assembled on the job site
- Baked-on enamel and anodized finishes available
- Pickets, 1/4" thick tempered glass panels & cable designs



The Aluminum Advantage

With its special properties and abundant supply, aluminum has revolutionized modern construction. Aluminum's unique combination of strength and rigidity, ease of fabrication, and versatility of design make it an ideal building material for railings. We work with you to combine standardized components and finishes to suit your specific application. For a more customized railing solution, we offer our extensive design and project management expertise.

Strong & Durable

The unique combination of a stable material with an exceptionally durable finish means long-term quality that requires little to no maintenance. It does not absorb moisture and is saltwater-resistant, so it will not rust, rot, swell, warp, twist, split, or crack. To maintain attractive appearance, minor surface cleaning is all that is necessary.

Green

Aluminum is a metal of the future. In a variety of forms, aluminum is one of the most plentiful elements on earth making up a full 8% of the Earth's crust. It is one of the most recyclable building materials with maintained quality and high yield. The demand and usage of aluminum will continue to rise as reduced energy consumption becomes more and more vital to our environment. Choosing aluminum is a choice for the environment.



Placing your Order

Choose a Style

Classic



- Alumarail Round Top Rail (TR 100)
Stock item



- Alumarail Square Top Rail (TR 375)
Additional lead time



- Custom design options available
Additional lead time

Modern



- Alumarail Elliptical Top Rail (TR 999)
Stock item



- Alumarail Flat Top Rail (TR 200)
Stock item



Choose an Infill Option



Glass Panels

- Unobstructed view
- Excellent wind break
- Optional privacy screen
- Maximum 5' Spacing



Pickets

- Classic Design
- Maximum 6' Spacing



Cables

- Modern Design
- 1/8" Stainless Steel Cable
- Maximum 5' Spacing



Mounting Choices



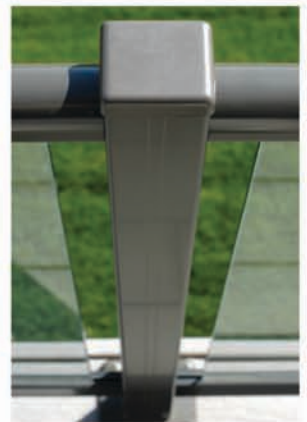
Surface Mount

- Easy Install
- Clean Design
- Top Mount



Fascia Mount

- Increases Deck Space
- Modern Design
- Side Mount



Choose a Color



P12-WHITE
Stock



PLT-SAND
Stock



P01-BROWN
Stock



A3E-BLACK
Stock



ANODIZED
Stock



CUSTOM

Finishing Options

Standard - Always in stock

- White - P12, Black - A3E, Brown - P01, Sand - PLT

Premium - Please allow an extra two week lead time for set up

- Burgundy, Hunter Green, Almond, Grey

Anodized - Popular among commercial railing projects

- Clear - CC1, Bronze, Black

* To see sample swatches please contact a sales associate

Determine Railing Measurements

Post Spacing

- Maximum space between posts is dependent upon infill choice

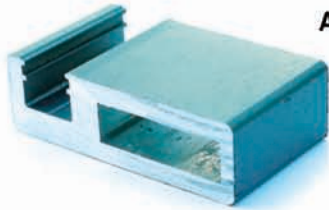
Standard Railing Height Options

- 36" - Well suited for lower-level decks, porches & stairs
- 42" - Preferred for higher-level decks & balconies.

Fencing Height Choices

- 48" & 60" - Great for safety fencing, pool fencing & privacy screens

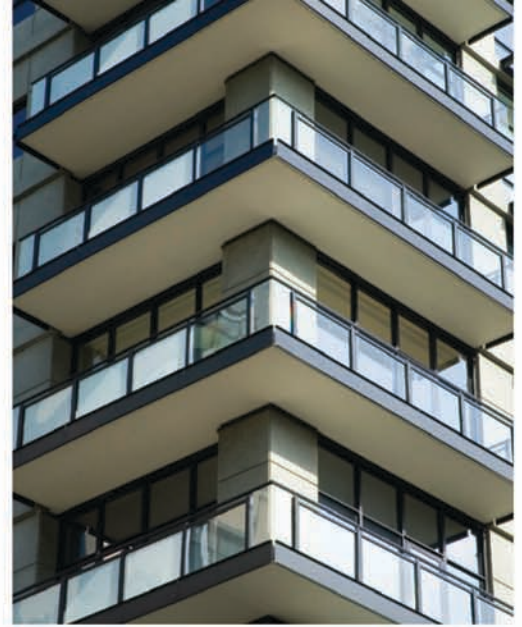




AMERICAN STRUCTURES
& DESIGN inc

To learn more about dealer networks, contractors,
and installers, please call or visit our site:

1-877-887-9828
www.americanstructures.com



Imagine the Possibilities

American Structures & Design is ready to help you with the custom design and production of your railing project from conception to completion. With our well-developed systems and products, combined with our expertise in design and project management, we give you a tangible added-value in all your railing projects.

For details, call **1-877-887-9828**

Light Commercial Railing Systems

For condominiums, office buildings, apartments, and hotels that are more than 3 stories high, this type of railing system is based on standardized components, but can be heavily customized to suit engineering and architectural requirements.

- On-staff project management expertise
- Customized shapes and styles
- Panels are easy & economical to install
- Systems conform to requirements of:
 - Uniform Commercial Building Code
 - Federal Disabilities Act

Specifications

All of our railings are composed of high strength, lightweight 6000 series aluminum. Glass panels are 1/4" thick and tempered in accordance with CPC standard 16 CFR 1201-11. Tempered glass must be cut before tempering. Take measurements after posts and railings have been installed. Allow for proper clearances between posts and glass panels. Extrusion coatings meet AAMA 2603, high solid modified polyester. All finishing is performed by a licensed finisher. Contact us to find your local authorized dealers and installers.



AMERICAN STRUCTURES
& DESIGN inc

1-877-887-9828 ■ **253-833-4343** ■ **Fax 253-833-4545**

20133 SE 353rd Street ■ Auburn, WA 98092

E-mail: cable@americanstructures.com Website: www.americanstructures.com