



design·RAIL<sup>®</sup>  
by feeney<sup>®</sup>

Aluminum Railing  
Systems



feeney<sup>®</sup> *makes it easy*



# DESIGN·RAIL<sup>®</sup> by feeney<sup>®</sup>

## Aluminum Railing Systems

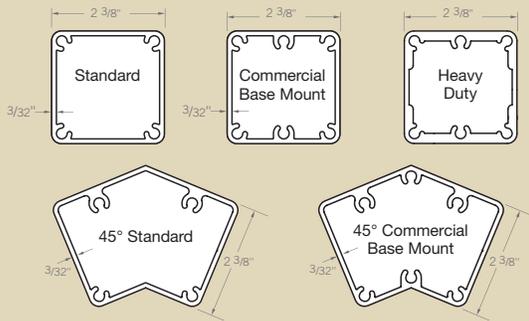
### ***Searching For a Complete Railing System? Look No Further.***

*DesignRail*<sup>®</sup> by feeney aluminum railing frame systems combine the durability of aluminum with innovative design details to ensure lasting beauty, structural integrity, and affordability while drastically reducing long term maintenance expenses. All rails and stanchions are made from high-strength 6000-series aluminum extrusions that can be cut and assembled on site using pre-engineered components that snap and screw together. *DesignRail*<sup>®</sup> aluminum railing systems are easily adaptable to any project: interior or exterior, commercial or residential. Simply choose the style options that are best for your project to custom design your railing.

- Available in a variety of Top Rail styles as well as cable, glass, and picket infill options
- Durable powder-coated finishes offer superior color retention, impact resistance, and weather protection
- Available in an assortment of colors that meet rigorous AAMA-2604 coating specifications
- Low maintenance with long use cycle: no rusting, cracking, peeling, or repainting
- Easy field assembly with components that snap and screw together: no welding, grinding, or special finishing
- Lightweight materials reduce shipping costs, save fuel, and are easier to handle on the job
- Accessory items include ADA compliant Handrails, custom gates, and low-voltage LED lights
- Toll-free design assistance and technical support line, 1-800-888-2418
- For railings, fences, privacy panels, and barriers
- Product contains recycled materials 
- 10 year warranty



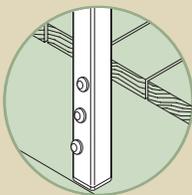
# Posts



Posts are made from 2-3/8" square tube extrusions in three different distinct cross-sectional profiles: Each is specially engineered to provide optimal structural strength and design performance for specific usage and load conditions.

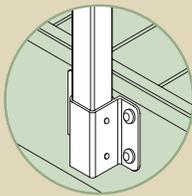
Posts for horizontal railings come pre-cut for 36", 38", and 42" railing heights. Stair or custom posts must be cut to height in the field and extrusions can be ordered in 10-ft or 20-ft lengths for that purpose. Posts also come pre-drilled for cables when using horizontal cable infill (except stair and ramp posts which must be field-drilled).

We also offer a 45° corner post that provides the option of a single post construction at 45° corners. It is available in Standard and Commercial Base Mount profiles.



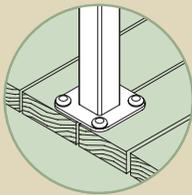
## FASCIA MOUNT

- For side mounting to fascia boards, joists, or walls
- Posts come with pre-drilled bolt holes



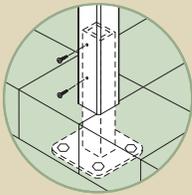
## FASCIA BRACKET MOUNT

- For side mounting to fascia or rim joists when decking or nosing trim extends beyond the edge of the fascia board
- Posts are attached using metal brackets that have a 1-1/4" standoff
- Railing may require a Bottom Rail when using this mounting method



## SURFACE (BASE) MOUNT

- For top mounting to deck, patio, floor, or stair tread surfaces
- 3/8" thick by 5" square base plate for square posts and 3/8" thick with a 1-5/16" contour reveal for 45° posts
- Plates come pre-attached to posts

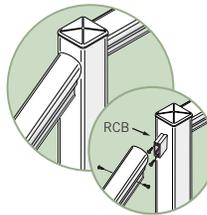


## STANCHION MOUNT

- For mounting with stone or tile covered concrete slabs or on roof decks where penetration of waterproof roofing membranes must be minimized
- Short stanchions are attached to the structural members prior to pouring the slab or laying the roof membrane. Railing posts are then sleeved over the protruding stanchion ends and secured with screws
- Stanchions available in steel, aluminum, or stainless steel
- Typically 12" tall but can be custom-sized and supplied with or without base plates

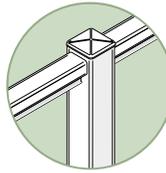
# Top Rails

Top Rails come in 6 styles and are sold in 10-ft and 20-ft lengths that can be trimmed to size in the field. Series 150 and Series 100 Top Rails are attached to the faces of the posts using Rail Connecting Brackets (RCBs). Series 200, 300, 350, and 400 Top Rails rest on the top of the posts and are secured with stainless steel screws. Applied Continuous Handrails with extensions and returns are available as an accessory item to meet ADA and code stair Handrail requirements. (See additional items page)



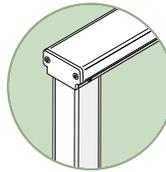
## GRASPABLE TOP RAIL (Series 150)

- 2" wide Top Rail with easy-to-grasp design
- Can be used for both stair and horizontal railings
- Meets residential code requirements for stair Handrail sizing; requires an Applied Handrail when used on stairs in commercial settings



## SQUARE TOP RAIL (Series 100)

- 2" wide square shaped Top Rail
- The narrow width allows it to be installed between posts, creating a newel-post-style railing with posts rising above the Top Rail
- Requires an Applied Handrail when used on stairs



## RECTANGULAR TOP RAIL (Series 200)

- 3-1/2" wide rectangular Top Rail
- The flat surface is a convenient perch for your favorite beverage as you enjoy the view
- Requires an Applied Handrail on stairs



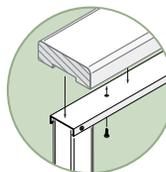
## ROUND TOP RAIL (Series 300)

- 1-1/2" radius Top Rail
- The smooth rounded shape offers a more contemporary accent to less traditional architectural designs
- Requires an Applied Handrail when used on stairs



## ELLIPITICAL TOP RAIL (Series 350)

- 3-1/2" wide elliptical Top Rail
- The sleek, stylish design offers another option for those who prefer a less angular Top Rail appearance
- Requires an Applied Handrail when used on stairs



## LOW-PROFILE TOP RAIL (Series 400)

- Low-profile Top Rail for adding a wood or composite cap rail. A wood/composite cap rail must be used with the Series 400 Top to achieve necessary frame strength and must be attached prior to installing cable infill. Requires an Applied Handrail when used on stairs

# Frame Colors

- Durable powder-coated finishes are available in 13 standard colors and in custom colors
- Finishes meet rigorous AAMA-2604 coating specifications for superior color retention, impact resistance, and weather protection



## Express Yourself Colors



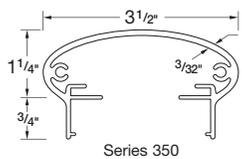
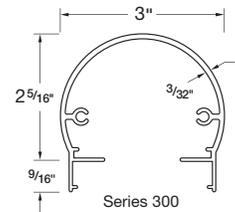
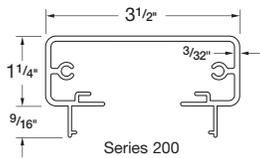
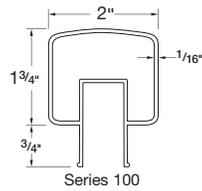
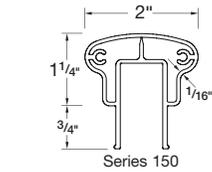
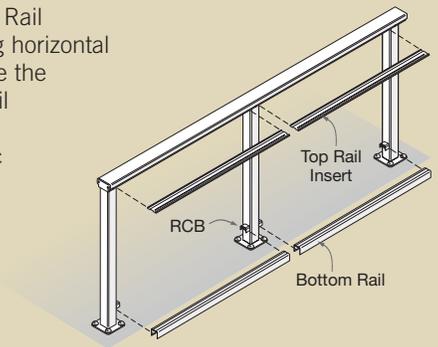
The standard color samples shown represent approximate color only.



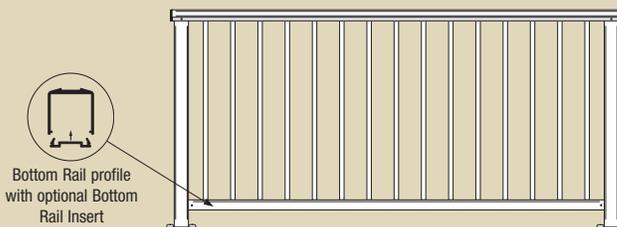
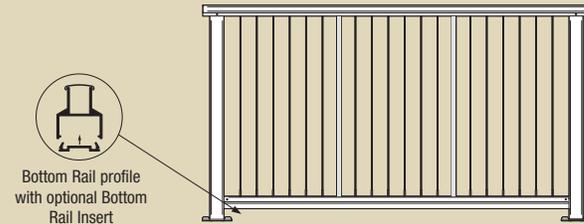
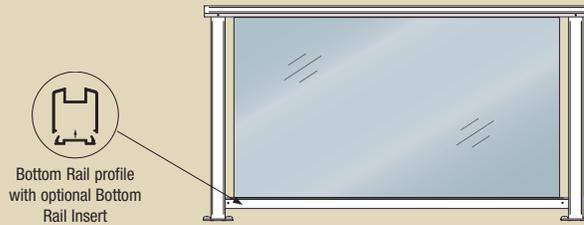
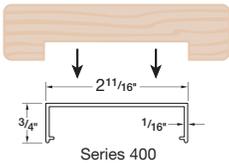
# Infill

All options require a Top Rail Insert and a horizontal Bottom Rail (Bottom Rails are optional for 36" and 38" high frames using horizontal cable infill). These support the railing infill and help reinforce the frame structure. Bottom Rails connect to the posts using Rail Connecting Brackets (RCBs), and Top Rail Inserts snap into the underside of the Top Rails. Each infill type has a specific corresponding Bottom Rail and Top Rail Insert design. Available in 10-ft and 20-ft lengths that can be cut to size in the field.

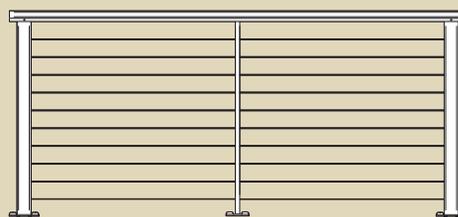
**Note: Other custom infill options are available. Contact your local authorized DesignRail® dealer for information.**



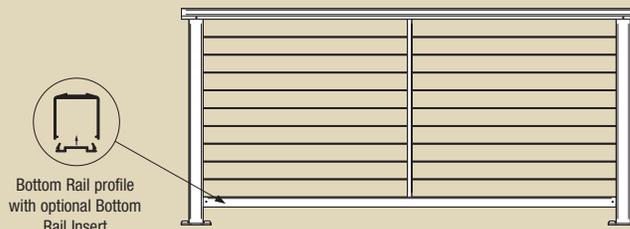
Wood Cap Rail not included



WITHOUT BOTTOM RAIL



WITH BOTTOM RAIL



## TEMPERED GLASS

- Clear or custom tinted panels that are easily inserted into vinyl lined slots in the Top Rail Inserts and Bottom Rails
- No special mounting hardware needed
- After the frames are constructed and final opening measurements are submitted, glass panels are shipped cut to size

## VERTICAL CABLES

- 1/8" diameter 316-grade stainless steel cables come pre-fabricated to size with all of the attachment fittings, ready to install
- Two vertical intermediate pickets are spaced mid-span to maximize frame rigidity

## VERTICAL PICKETS

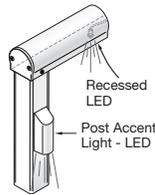
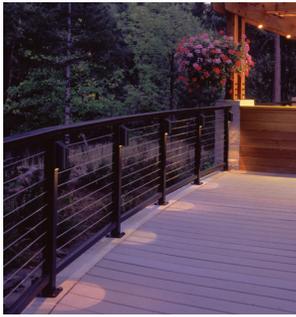
- 3/4" square aluminum pickets come cut to size, ready to install
- Pickets are powder coated to match the frame color

## HORIZONTAL CABLES

- 1/8" diameter 316-grade stainless steel *CableRail* cable assemblies include all of the attachment fittings and come pre-fabricated in standard lengths that can be trimmed to exact dimensions in the field
- A vertical intermediate picket is used mid-span to minimize cable deflection
- All posts and pickets (except those used on stairs and ramps) come pre-drilled, ready for cable installation

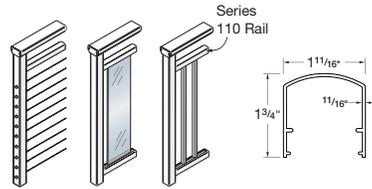
**Note: Horizontal Bottom Rails are recommended for 42" high frames and may be used as an option on 36" and 38" frames.**

# Additional Items



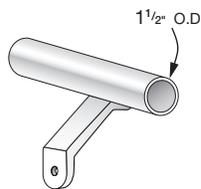
## LIGHTING ACCESSORIES

- LED lights, power kits, and accessories
- Recessed, face-mount, and Post Accent-style designs
- Installation must be done by a licensed electrician



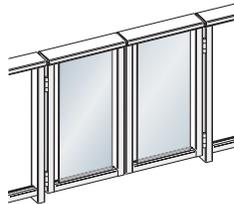
## INTERMEDIATE HORIZONTAL RAILS (SERIES 110)

- Used with picket, glass, and horizontal infill for creating railing designs with partial height infill
- Sold in 10-ft and 20-ft lengths that can be trimmed to size in the field
- Attaches to the post faces using Rail Connecting Brackets (RCBs)



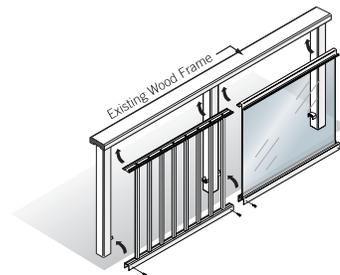
## APPLIED CONTINUOUS HANDRAILS

- 1-1/2" diameter aluminum Handrails to meet stair railing code requirements
- ADA compliant extensions and returns
- Custom bent and fabricated, ready for installation



## GATES

- Custom fabricated to size
- Available for all railing styles and infill types



## CUSTOM PANELS

- Pre-fabricated aluminum picket or glass infill panels to fit existing wood railing frames
- Custom fabricated to fit individual railing designs
- Easy to install and low maintenance
- Panels are shipped ready to install

# More Ideas



Fences with wood panels



Extended post designs

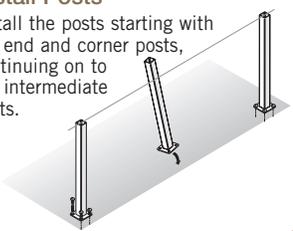


DesignRail® Kits between wood posts

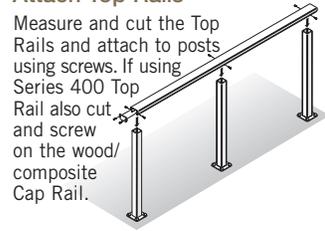
# Construct Your Railing Frame in 5 Basic Steps

**DesignRail® by feeney** aluminum railing systems are designed to quickly screw and snap together on site with only a few basic tools. Detailed installation instructions are included with each order and are also available on our website [www.feeneyinc.com/designrail](http://www.feeneyinc.com/designrail)

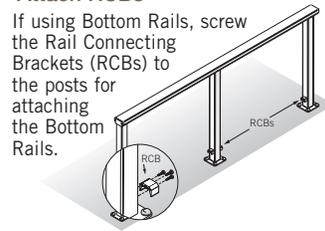
**1** **Install Posts**  
Install the posts starting with the end and corner posts, continuing on to the intermediate posts.



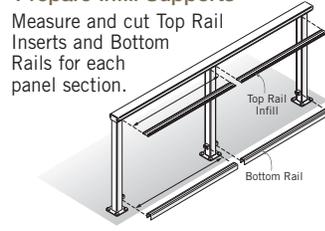
**2** **Attach Top Rails**  
Measure and cut the Top Rails and attach to posts using screws. If using Series 400 Top Rail also cut and screw on the wood/composite Cap Rail.



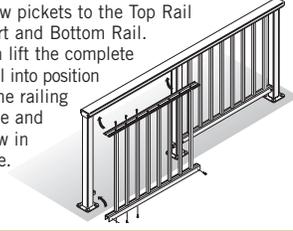
**3** **Attach RCBs**  
If using Bottom Rails, screw the Rail Connecting Brackets (RCBs) to the posts for attaching the Bottom Rails.



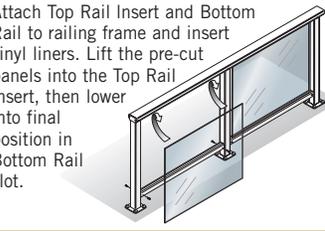
**4** **Prepare Infill Supports**  
Measure and cut Top Rail Inserts and Bottom Rails for each panel section.



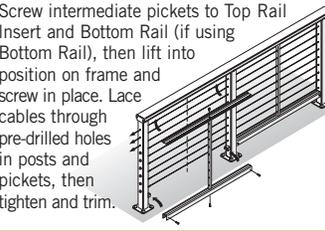
**5a** **Picket Infill Option**  
Screw pickets to the Top Rail Insert and Bottom Rail. Then lift the complete panel into position on the railing frame and screw in place.



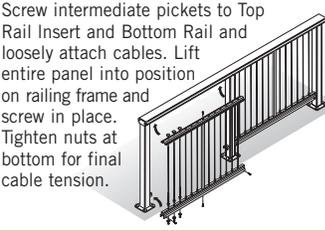
**5b** **Glass Infill Option**  
Attach Top Rail Insert and Bottom Rail to railing frame and insert vinyl liners. Lift the pre-cut panels into the Top Rail Insert, then lower into final position in Bottom Rail slot.



**5c** **Horizontal Cable Infill Option**  
Screw intermediate pickets to Top Rail Insert and Bottom Rail (if using Bottom Rail), then lift into position on frame and screw in place. Lace cables through pre-drilled holes in posts and pickets, then tighten and trim.



**5d** **Vertical Cable Infill Option**  
Screw intermediate pickets to Top Rail Insert and Bottom Rail and loosely attach cables. Lift entire panel into position on railing frame and screw in place. Tighten nuts at bottom for final cable tension.



## How To Order DESIGN·RAIL<sup>®</sup> by feeney<sup>®</sup>

- 1) **Carefully Review:** Read all of the product information provided in this catalog and on our website [www.feeneyinc.com/designrail](http://www.feeneyinc.com/designrail). If you have questions, please contact your local authorized DesignRail<sup>®</sup> dealer, or call our customer service department, 1-800-888-2418.
- 2) **Determine Frame Height:** 36", 38", or 42".
- 3) **Decide Post Mountings:** Fascia, surface, fascia bracket, or stanchion mount.
- 4) **Select Top Rail:** Series 100, 150, 200, 300, 350, or 400.
- 5) **Choose Infill:** Aluminum picket, glass, horizontal cable, or vertical cable.
- 6) **Pick Frame Color:** Choose from the 13 standard colors or call for custom colors.
- 7) **Review Other Items:** Will you need stair Handrails, low voltage lights, or gates?
- 8) **Confirm Details & Prices:** All railing projects are unique. Your local authorized DesignRail<sup>®</sup> dealer can help determine a list of the parts needed for your project and provide you with a price quote.
- 9) **Place Your Order:** Contact your authorized DesignRail<sup>®</sup> dealer for order processing. Standard orders ship via common truck carrier, freight collect.

### Note On Packaging

All DesignRail<sup>®</sup> aluminum frames and components are carefully packaged to ensure that products arrive damage-free. Top Rails, Bottom Rails, and Rail Inserts are shipped in special 12-ft and 21-ft boxes, and all posts and hardware items are boxed, wrapped, and shipped on standard pallets.

### IMPORTANT NOTE

*Building codes vary by state, county, and city, so be sure to consult with your local building department before starting your project.*

**Need a Railing TODAY?**

Ask about packaged DesignRail<sup>®</sup> Rail Kits, pre-engineered and in stock at select dealers!



**feeney**<sup>®</sup> makes it easy

Feeney, Inc. • Oakland, CA  
1-800-888-2418  
[www.feeneyinc.com/designrail](http://www.feeneyinc.com/designrail)

Authorized DesignRail<sup>®</sup> Dealer