Feeney® makes it easy

Lovely for the long haul

DesignRail® lets you create lasting beauty with high strength 6000-series aluminum extrusions and powder-coated finishes that don’t rust, peel or require repainting.
Modular Kits

Create Your Own

**SOLUTION A**

**STEP 1** Select a railing height

**STEP 2** Select a mounting type

**STEP 3** Select an infill type

**STEP 4** Select a top rail style

**STEP 5** Select a frame color

**STEP 6** Choose accessories

**STEP 7** Easy installation

**SOLUTION B**

**PG. 8**

**PG. 9**

**PG. 9**

**PG. 10**

**PG. 13**

**PG. 13**

**PG. 14**

**PG. 16**

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Simple sophistication

Feeney’s DesignRail® makes it easy to create beautiful railings inside and out. The component-based aluminum railing system is pre-engineered, simple to design, and easy to install.
Just your style

Whether your project is traditional or modern, residential or commercial, large or small, DesignRail® railings fit beautifully in any architectural setting.
Embrace your environment

DesignRail® systems are strong, durable, and made with over 70% reclaimed content. That’s perfect for LEED rated buildings and anyone who wants an environmentally friendly space.
DesignRail® details make all the difference

DesignRail® aluminum railings combine the durability of aluminum with innovative design details to ensure lasting beauty, structural integrity, affordability, and very low maintenance.

- **90° Single corner posts** for 1/8-inch CableRail cable infill allow the cables to run continuously through a corner without terminating. One post in each corner versus two means faster installation, less cost, and a more open, beautiful view. Available in all post mounting styles except stanchion mount. Use Curved Lacing Needle (#3221-curve) to install cables.

- **45° corner posts** offer the option of a single post at 45° corners. Available in standard and commercial base mount profiles. (see pg. 9)

- **Heavy duty end posts** are specially engineered to support the tension loads of horizontal CableRail cable infill. (see pg. 9)

- **Bottom rail is optional** when using horizontal CableRail cable infill. (see pg. 10)

- **Variety of infill options** (see pg. 10)

- **Low-voltage, LED lighting options** for posts and rails. (see pg. 14)

- **Isolation bushings and pads** are available for all post and picket holes and post bases when installing railings in harsh, salt-air environments.

- **4 post mounting options** (see pg. 9)

- **6 top rail designs** (see pg. 13)

- **Powder-coated finishes in 14 colors** (see pg. 13)

- **Custom fabricated gate options** (see pg. 14)

- **Grasppable top rail or applied handrail options to meet stair railing code requirements.** (see pgs. 13-14)

- **Pre-drilled, trim-to-fit stair posts and pickets** for 1/8-inch CableRail cable infill save installation time and money. Available in 3 angle ranges (23°-28°, 29°-34°, 35°-39°) and all post mounting styles.

- **Base plate covers** add a finished detail to base mounted posts. Powder-coated to match the railing color. (see pg. 14)

- **Variety of infill options** (see pg. 10)
Modular Kits

Our pre-packaged rail kits are designed for use with CableRail cables and offer a beautiful, low maintenance, view-friendly railing option that’s available to purchase and install today.

RAIL KITS
Each kit includes a 6-ft top and bottom rail, an intermediate picket, and attachment hardware. The rails can be trimmed to exact length in the field. Rail Kits can either be used with DesignRail® Aluminum Post Kits or with your own wood posts. Available for both level and stair applications.

POST KITS
Each kit includes a post with a pre-attached base plate, post cap, and mounting screws and caps. All posts are pre-drilled for the cable or cable fittings. Stair posts are pre-drilled at an angle to accommodate a stair slope of between 29 and 34 degrees. Available for 36-in or 42-in high level railings and 36-in high stair railings.

For more information see our DesignRail® Kit brochure or visit feeneyinc.com/railing-system-kits
Create Your Own

DesignRail® railings are easily adaptable to any exterior, interior, commercial, or residential project. Simply choose from the style options to create your perfect railing design.

**STEP 1** Select a railing height

Posts for horizontal railings come pre-cut for 36-in, 38-in and 42-in 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. When using horizontal cable infill, all posts, including stair posts, are available pre-drilled for the cables.

**STEP 2** Select a mounting type

Posts are made from 2¾-in square tube extrusions in three distinct cross-sectional profiles: Standard, Commercial Base Mount, and Heavy Duty. Each is specially engineered to provide optimal structural strength and design performance for specific usage and load conditions. Our customer service team will determine which posts are required depending on the type of project and the railing design options selected.

Our 90° single corner posts and pre-drilled stair posts and pickets will reduce installation time and save money when using horizontal CableRail cable infill (see pg.7).

**BASE MOUNT**
- For top mounting to deck, patio, floor, or stair tread surfaces
- ¾-in thick by 5-in square base plate for square posts and ¾-in thick with a 1¾-in contour reveal for 45° posts
- Plates come pre-attached to posts
- Optional decorative base plate covers are available (see pg. 14)

**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 1¾-in standoff
- Railing may require a bottom rail when using this method

**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
- Available in steel, aluminum or stainless steel

Building codes in your area may require your rails to meet a minimum height. Consult your local building codes when choosing a height for your project.
Select an infill type

The basic infill options are illustrated below. However, Feeney can also assist with custom infill options such as textured, etched, or decaled glass panels; special picket designs; and wood strips or panels for solid barriers or fences.

**HORIZONTAL CABLES**
- Pre-fabricated 1/8-in diameter stainless steel CableRail Kits for easy cable installation
- A vertical intermediate picket is used mid-span to minimize cable deflection
- All posts and pickets come pre-drilled for cables

**VERTICAL CABLES**
- 1/8-in diameter 316-grade stainless steel cables come prefabricated 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-in square aluminum pickets powder-coated to match the frame color
- Available in pre-assembled panels that can be trimmed to length

**TEMPERED GLASS**
- Clear or custom tinted panels that are easily inserted into vinyl lined slots in the Top Rail and Bottom Rail
- No special mounting hardware needed
- Glass panels are pre-cut to fit the final opening measurements
DesignRail® Panel Infill

We now offer various panel designs that easily fit into the pre-engineered DesignRail® frame. All panel infills are available in 36-in and 42-in heights.

**LASER CUT ALUMINUM PANELS**
- Available in any power-coated DesignRail® color
- At 36-in height, max width is 6ft
- At 42-in height, max width is 5ft

**RESIN PANELS**
- At 36-in and 42-in height, max width is 5ft
- Interior applications only

**STAINLESS STEEL MESH PANELS**
- At 36-in height, max width is 6ft
- At 42-in height, max width is 5ft

Additional patterns and custom designs are available through Feeney Design Services.

For more styles please visit feeneyinc.com.

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Select a top rail style

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 Graspable Top Rails are used on stairs to provide a graspable rail option. Series 150 and Series 100 Top Rails are attached to the faces of the posts using Rail Connecting Brackets (RCBs). Series 200, 300, and 450 Top Rails rest on the tops 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 handrail requirements (see page 14).

GRASPABLE TOP RAIL (Series 150)
- 2-in wide top rail with easy-to-grasp shape
- Can be used for both stair and horizontal railings
- Meets residential code requirements for stair handrail sizing. Requires a handrail when used on stairs in commercial settings

RECTANGLE TOP RAIL (Series 200)
- 3½-in wide rectangular top rail
- The flat surface is a convenient perch for your favorite beverage as you relax and gaze at the view
- Requires a handrail when used on stairs

LANDSCAPE TOP RAIL (Series 350)
- 3½-in wide elliptical top rail
- The sleek, stylish design offers another option for those who prefer a less angular top rail appearance
- Requires a handrail when used on stairs

SQUARE TOP RAIL (Series 100)
- 2-in wide square-shaped top rail
- The narrow width allows it to be installed between posts (using RCBs) instead of on top of posts, creating a newel-post-style railing with posts rising above the top rail

ROUND TOP RAIL (Series 300)
- 1½-in radius top rail
- The smooth rounded shape offers a more contemporary accent to those less traditional architectural designs
- Requires a handrail when used on stairs

LOW-PROFILE TOP RAIL (Series 450)
- Low-profile top for adding your own wood or composite cap rails
- Cap rails are optional and are not included
- Requires a handrail when used on stairs

Select a frame color

Our frames are available in 14 standard colors and over 200 custom colors which are finished with rigorous AAMA-2604 coating specifications for superior color retention, impact resistance, and weather protection.

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Choose accessories

Feeney Lighting

Our 24v lighting is manufactured with high quality, weatherproof materials for reliable performance, and energy efficient 50,000 hour-rated LEDs with a high color rendering index (80+) for truer colors. Plug & play connectors make installations a breeze. All kits are UL certified.

POWER KITS
Outdoor rated 24 volt dimmable drivers in 40, 60, and 96 watt (all driver kits sold separately).

POST ACCENT LIGHT
The decorative aluminum sconce has a durable powder-coated finish and attaches to the post face to create a beautiful down light; great for stair railing accents. The sconce can be finished to match the railing frame color, and can be used with all infill options.

FEENEY RAIL LIGHTING
Easy-to-install kits that integrate into the top or bottom rail to provide beautiful under-rail lighting. Each weatherproof lighting strip includes a high-bond, waterproof adhesive for easy installation. Our exclusive Feeney polycarbonate lens diffuses light evenly across the railing. Compatible in top rail, when using horizontal CableRail infill only. Compatible in bottom rail when using horizontal CableRail, glass, or picket infill only.

Other accessories

GATES
Custom fabricated to size and available for all railing styles and infill types. Comes with gate hardware accessories.

HANDRAILS
1½-in diameter aluminum handrails meet stair railing code requirements and are available with ADA compliant extensions and returns. Handrails are custom bent and fabricated, ready to install, and are powder-coated to match the railing frame colors.

BASE PLATE COVERS
Decorative base plate covers add a finished detail to base mounted posts, and they come powder-coated to match the railing color. The two-piece design allows easy installation for both new and retrofitted railings.

INTERMEDIATE HORIZONTAL RAIL
Used 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 using Rail Connecting Brackets (RCBs). Can be used with all infill options.
Care & maintenance

- As necessary, clean the railing frame with mild soap and water using a non-abrasive sponge or cloth. Be sure to wipe-up any bird droppings or sap drips as soon as possible to avoid possible staining or discoloration.

- Never use steel wool, sandpaper, acid, bleach or other abrasive or caustic materials on your railings as they may cause permanent damage to the finish.

- Use a good quality automotive cleaner/polish. This will help to brighten and extend the life of the finish.

- Periodically check to see that all components and screw connections are tight and secure, and re-tighten as needed.

- If using touch-up paint, be sure the surface being painted is clean and dry. Always follow the painting instructions on the bottle.

- Use a cleaner and protectant like Feeney’s SteelRenewal® and SteelProtect® regularly to help prevent the staining and corrosion of stainless steel products.
Install the posts starting with the end and corner posts, continuing on to the intermediate posts. Measure and cut the top rails and attach to posts using screws. If using Series 450 top rail, cut and screw on the wood or composite cap rail. If using the Panel Infill, the top rail will go on after the panels are inserted into the frame. (see below) If using bottom rails, screw the Rail Connecting Brackets (RCBs) to the posts for attaching the bottom rails. Measure and cut top rail inserts and bottom rails for each panel section.

5 INSTALL INFILL (CHOOSE ONE)

PICKET INFILL
Trim the pre-fabricated panels to length. Lift the complete panel into position on the railing frame and screw in place.

GLASS INFILL
Attach top rail insert and bottom rail to railing frame and insert vinyl liners. Lift the pre-cut panel into the top rail insert, then lower into final position in bottom rail slot.

HORIZONTAL CABLE INFILL
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.

VERTICAL CABLE INFILL
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.

PANEL INFILL
Slide the panel into the railing frame and then attach the top rail.

Enter our photo contest
Send us your project photos for a chance to win cash prizes. Visit feeneyinc.com/photo-contest for details. Also, follow us on Instagram @feeneyinc

Get a quote
For a price quote, contact your local dealer and complete our easy-to-use DesignRail® quote form. Form is also available online at feeneyinc.com/DRQform