

DesignRail[®]

Aluminum Railing System

feeney[®] 

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.



Creating your railing is easy!

STEP

1

Select a
railing height

PG. 8

STEP

2

Select a
mounting type

PG. 8

STEP

3

Select an
infill type

PG. 9

STEP

4

Select a
top rail style

PG. 10

STEP

5

Select a
frame color

PG. 10

STEP

6

Choose
accessories

PG. 11

STEP

7

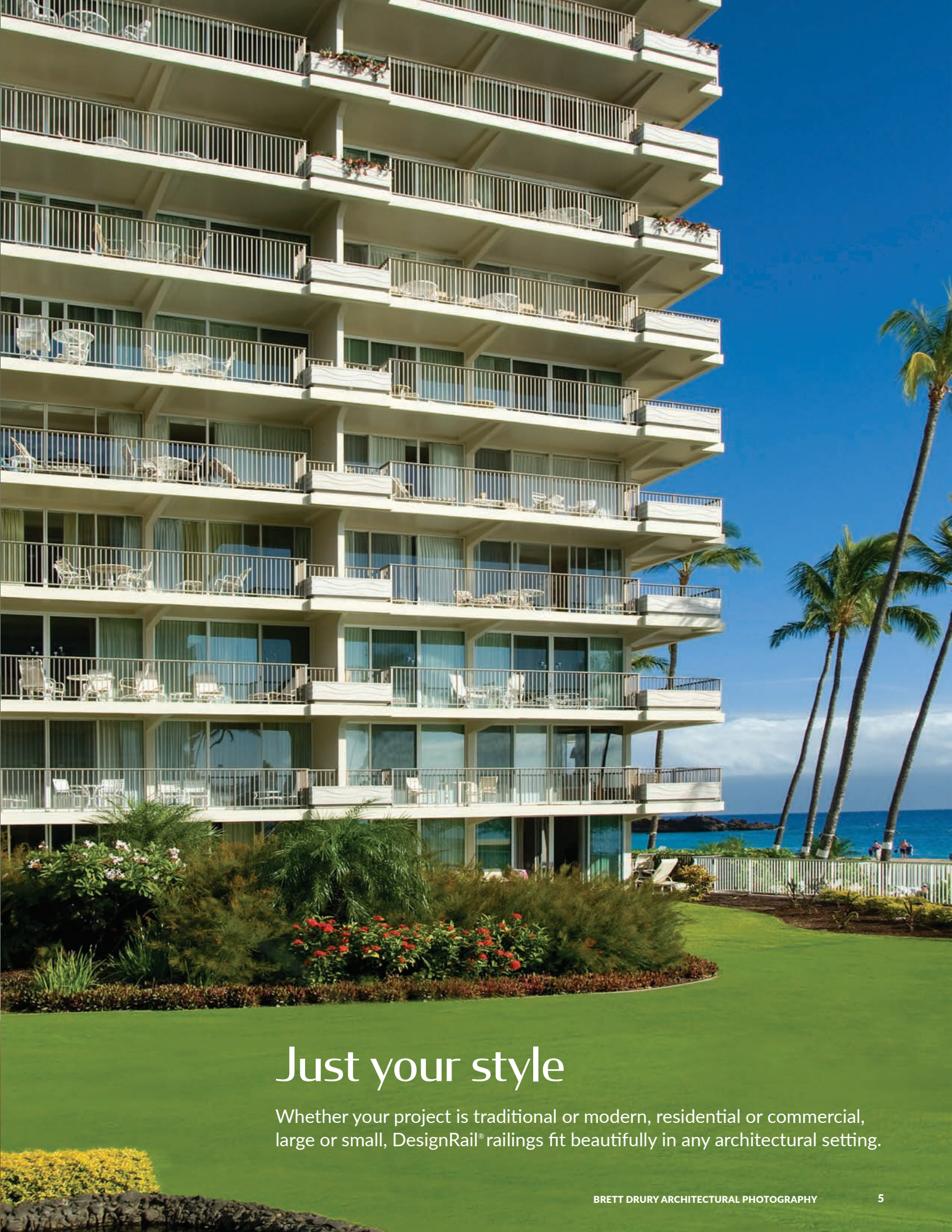
Easy
installation

PG. 12

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.

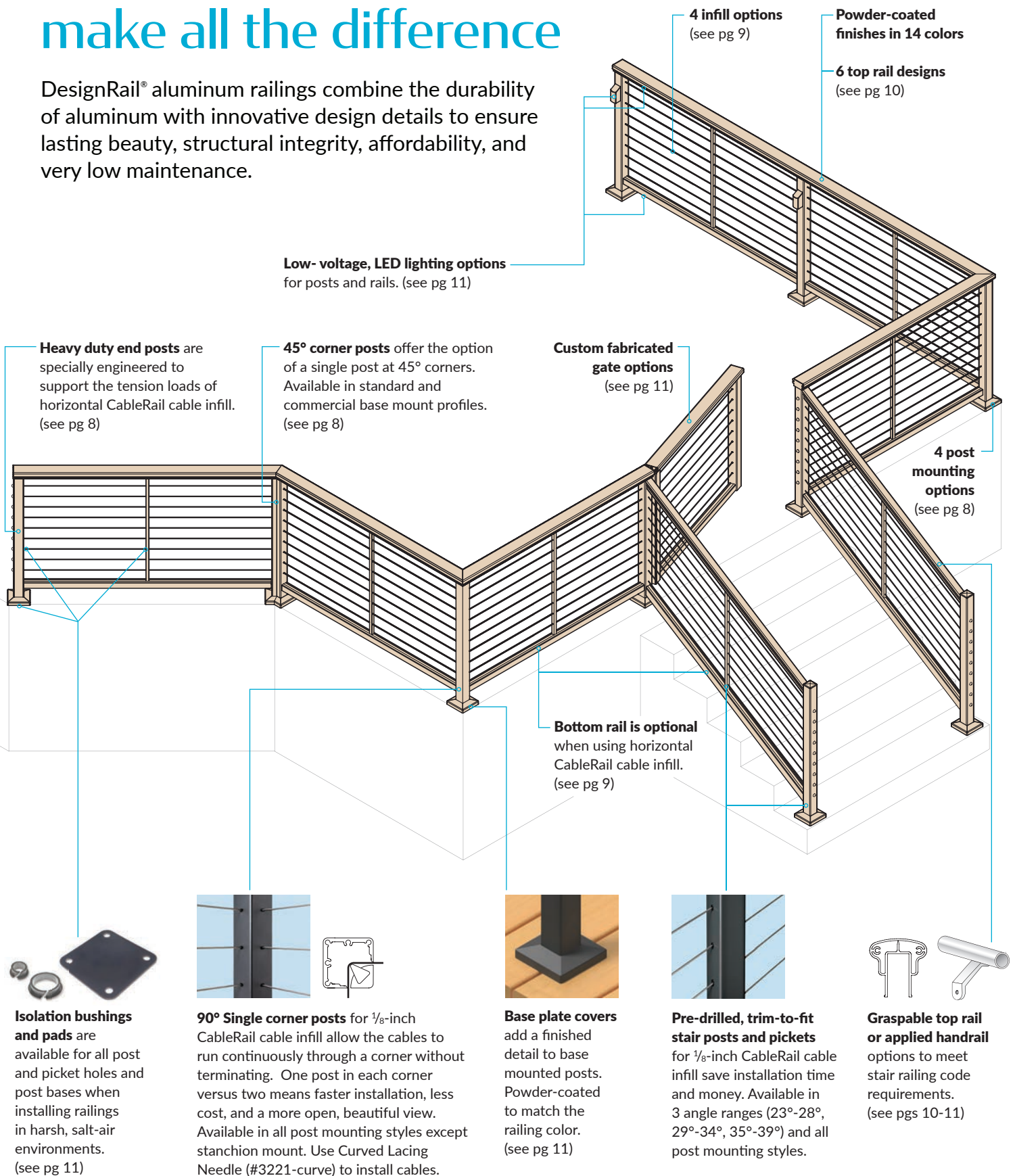
Embrace your environment

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.



Create Your Own

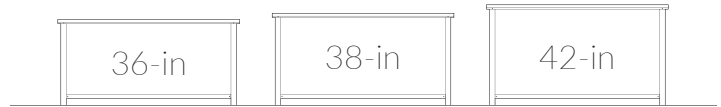
DesignRail® railings are easily adaptable to any exterior, interior, commercial, or residential project. Simply choose from the style options to create your perfect railing design.

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.



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.

STEP

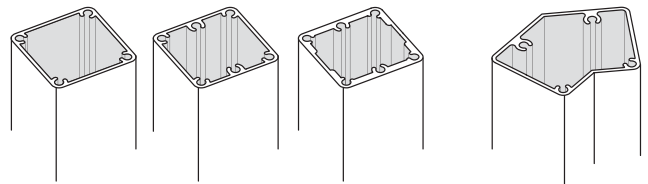
2

Select a mounting type

Posts are made from 2 $\frac{3}{8}$ -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.

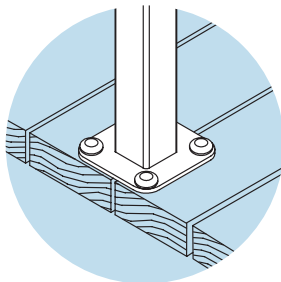
Our 90° single corner posts and pre-drilled stair posts and pickets will reduce installation time and save money when using horizontal CableRail cable infill (see pg.7).

POST TYPES (Determined by project type, railing usage and conditions)



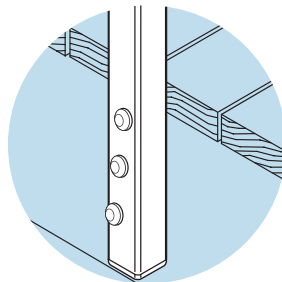
Standard, Commercial Base Mount, and Heavy Duty profiles available.

Standard and Commercial Base Mount profiles available.



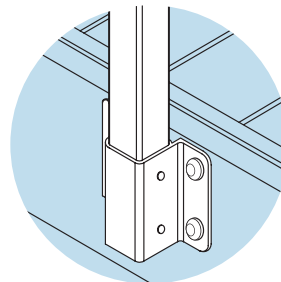
BASE MOUNT

- For top mounting to deck, patio, floor, or stair tread surfaces
- $\frac{3}{8}$ -in thick by 5-in square base plate for square posts and $\frac{3}{8}$ -in thick with a 1 $\frac{5}{16}$ -in contour reveal for 45° posts
- Plates come pre-attached to posts
- Optional decorative base plate covers are available (see pg. 11)



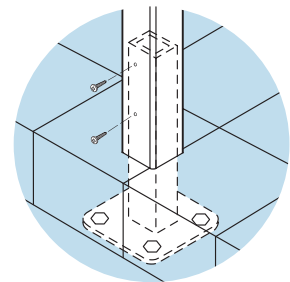
FASCIA MOUNT

- 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 1 $\frac{1}{4}$ -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

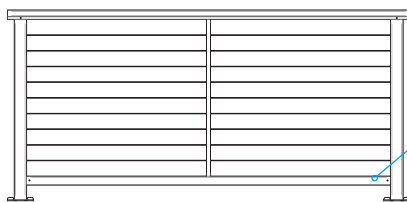


STEP

3

Select an infill type

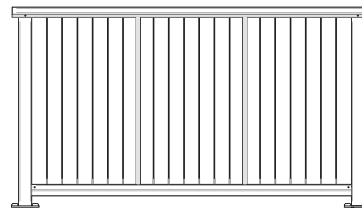
The basic infill options are illustrated below. However, Feeney can also assist with custom infill options such as textured, etched, or decal glass panels; special picket designs; or even wood strips or panels for solid barriers or fences.



Available with or without bottom rail.

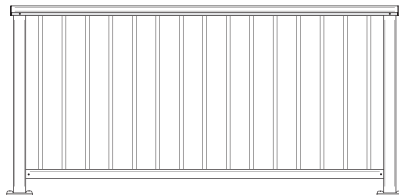
HORIZONTAL CABLES

- Pre-fabricated $\frac{1}{8}$ -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



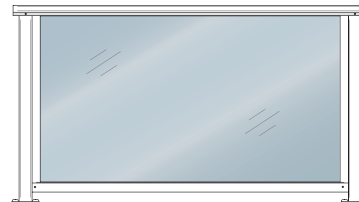
VERTICAL CABLES

- $\frac{1}{8}$ -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

- $\frac{3}{4}$ -in square aluminum pickets powder-coated to match the frame color
- Available in pre-assembled panels that can be trimmed to length



TEMPERED GLASS

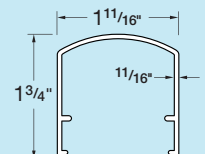
- Clear or custom tinted panels that are easily inserted into vinyl lined slots in the Top Rail and Bottom Rail
- No special mounting hardware needed
- Glass panels are shipped cut to size after the frames are constructed and final opening measurements are submitted



OPTIONAL ACCESSORY

INTERMEDIATE HORIZONTAL RAIL (SERIES 110)

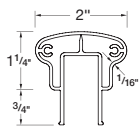
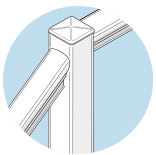
- Used with picket, glass, and horizontal infill for creating railing designs with partial height infill
- Sold in 10-ft and 20-ft lengths that can be trimmed to size in the field
- Attaches to the post using Rail Connecting Brackets (RCBs)





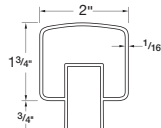
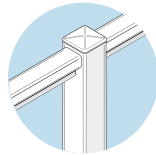
STEP 4 Select a top rail style

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 11).



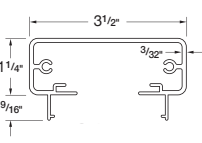
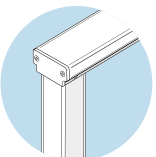
GRASPABLE TOP RAIL (Series 150)

- 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



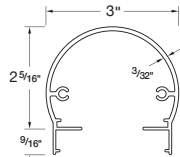
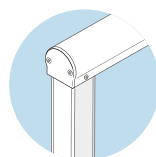
SQUARE TOP RAIL (Series 100)

- 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



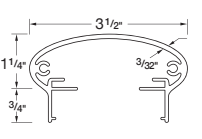
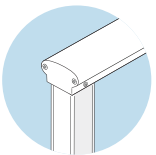
RECTANGLE TOP RAIL (Series 200)

- 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



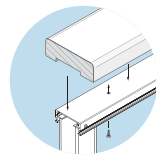
ROUND TOP RAIL (Series 300)

- 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



ELLIPTICAL 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



LOW-PROFILE TOP RAIL (Series 450)

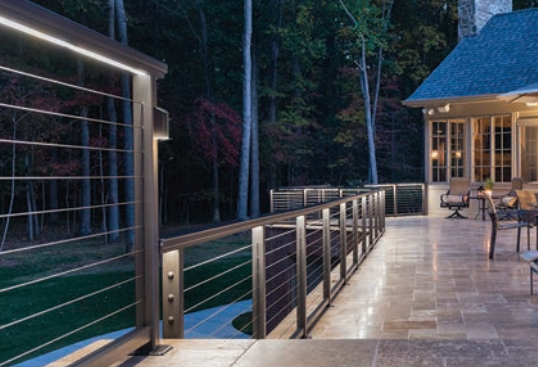
- Low-profile top for adding your own wood or composite cap rails
- Cap rails are optional and are not included
- Requires a handrail when used on stairs

STEP 5 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.

TEXTURED BLACK
WHITE
GREEN
GRAY
CREAM
BLACK MATTE
BRONZE MATTE
TAUPE
SILVER
RED HOT RED
ORANGE YOU SASSY
BLAZING BLUE
NOT A MELLOW YELLOW
MARGARITA GREEN

The color samples shown above represent approximate colors only.



STEP

6

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 UL certified.



INLINE DIMMER

Optional remote controlled dimmer system designed to work easily with our LED kits to create the perfect level of lighting.

POWER KITS

Outdoor rated 24 volt DC constant voltage driver/transformer kits in 35, 60, and 96 watt (optional AC power cable) and dimmable drivers in 40, 60, and 96 watt (all driver kits sold separately).

Other accessories

GATES

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

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.

HANDRAILS

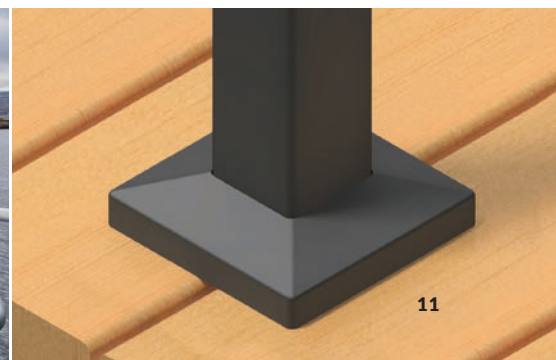
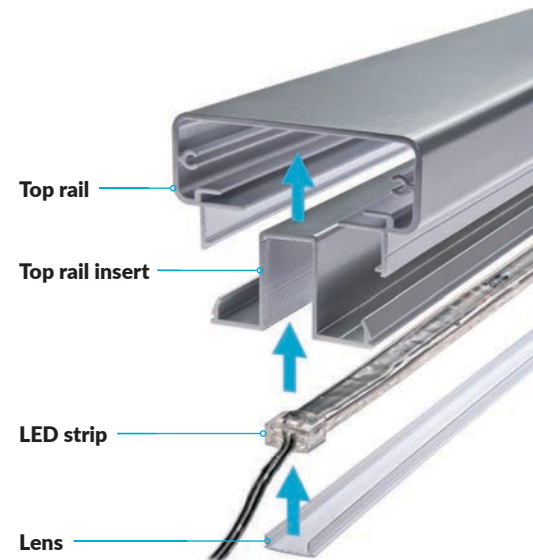
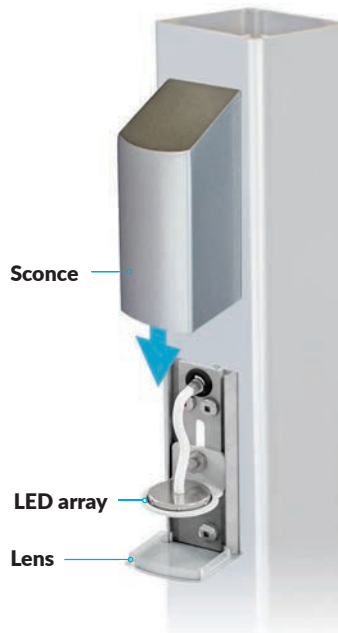
1½-in diameter aluminum handrails meet stair railing code requirements and are available with ADA compliant extensions and returns. Handrails are custom bent and fabricated, ready to install, and are powder-coated to match the railing frame colors.

FEENEY RAIL LIGHTING

Easy-to-install kits that integrate into the top or bottom rail to provide beautiful under-rail lighting. Each kit includes a weatherproof lighting strip (available in multiple lengths) with a high-bond, waterproof adhesive for easy installation, and our exclusive Feeney polycarbonate lens that diffuses light evenly across the railing.

BASE PLATE COVERS

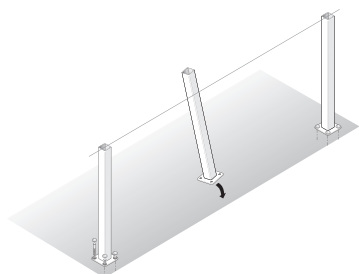
Decorative base plate covers add a finished detail to base mounted posts, and they come powder-coated to match the railing color. The two-piece design allows easy installation for both new and retrofitted railings.





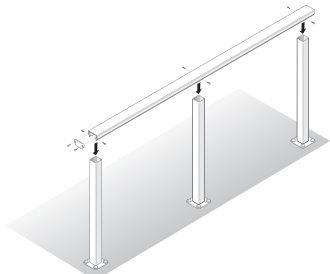
For a complete step-by-step installation instructions and details, visit feeneyinc.com/designrail

1 INSTALL POSTS



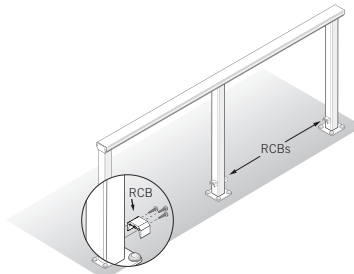
Install the posts starting with the end and corner posts, continuing on to the intermediate posts.

2 ATTACH TOP RAILS



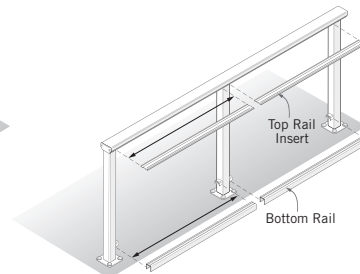
Measure and cut the Top Rails and attach to posts using screws. If using Series 450 Top Rail, cut and screw on the wood or composite Cap Rail.

3 ATTACH RCBs



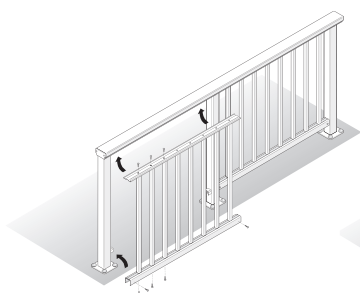
If using Bottom Rails, screw the Rail Connecting Brackets (RCBs) to the posts for attaching the Bottom Rails.

4 PREPARE INFILL SUPPORT



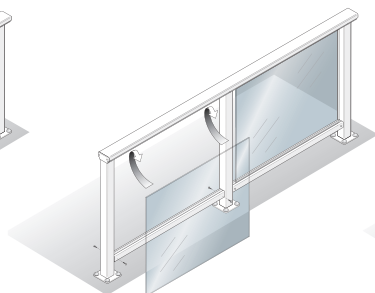
Measure and cut Top Rail Inserts and Bottom Rails for each panel section.

5 INSTALL INFILL (CHOOSE ONE)



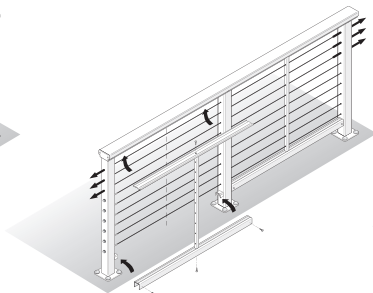
PICKET INFILL

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



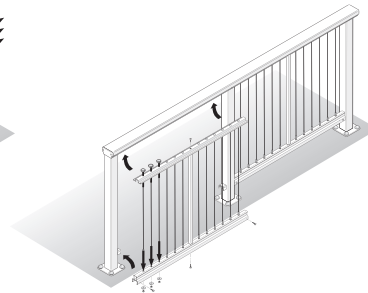
GLASS INFILL

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.



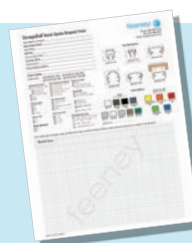
VERTICAL CABLE INFILL

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.



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](https://www.instagram.com/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 www.feeneyinc.com/DRQform



www.feeneyinc.com

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