

CABLE·RAIL®



DESIGN·RAIL™



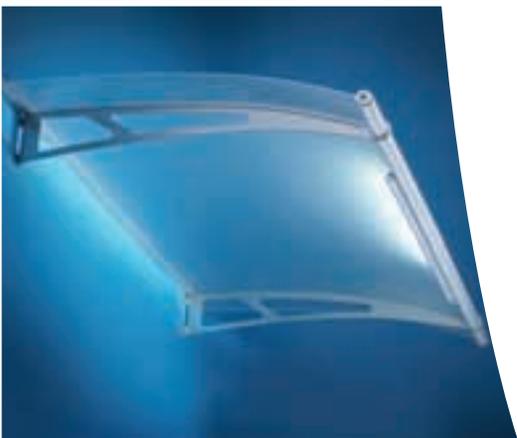
CABLE·TRELLIS™



STA-LOK



LIGHTLINE®



FEENEY
SIXTY YEAR
ANNIVERSARY
★ 1948 - 2008 ★

feeneyarchitectural
PRODUCTS™

CATALOG 2008



feeneyarchitectural P R O D U C T S™

2008 Catalog

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1-800-888-2418

www.feeneyarchitectural.com

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feeneyarchitectural P R O D U C T S

Since 1948, Feeney has been manufacturing specialty products for design and construction professionals. Years of experience supplying thousands of projects worldwide have given us the insight and expertise to develop a diverse and innovative line of the highest quality architectural products. Our seasoned, professional staff is always ready to assist with design questions, product selection and technical support.

Our line of Architectural Products includes

CABLE·RAIL®

A wide selection of both standard and custom fabricated stainless steel cable assemblies for use on railings, fences and trellises.

DESIGN·RAIL™

Powder-coated aluminum railing frame systems available in a variety of colors and cap rail styles with glass, picket and cable infill options.

CABLE·TRELLIS®

Wall mounted and freestanding trellis kits with powder-coated aluminum support frames and stainless steel cable and rod plant infill grids.

STA-LOK®

Stainless steel rods, components and assemblies for use in structural and decorative applications.

LIGHTLINE®

Easy-to-install door canopy kits with stainless steel support arms, UV resistant acrylic visor panes and integrated aluminum rain gutters.



Environmental

- All of our architectural products are made from stainless steel and aluminum which are among the most recycled materials. Most of our products contain pre-consumer reclaimed content, and, upon disposal, the materials can be recycled at metal reclamation sites.
- Our products are durable and have long use cycles, thereby reducing replacement costs and maximizing material usage efficiency.
- Our products are very low maintenance and require no treatments, stains, solvents, varnishes or preservatives that may contain contaminating chemicals.
- Our materials and products are strong yet lightweight, using less raw material and allowing easier handling, lower shipping costs and less fuel consumption.
- Our CableTrellis™ kits, as well as CableRail™ cable assemblies, can be used to create energy saving trellis and landscape shading panels and partitions that support cooling foliage in the summer yet allow maximum sunlight and warmth during the dormant winter months.
- Our powder coating facility in Tekamah, NE features a new, state-of-the-art powder coating line that emits no V.O.C.s or heavy metal waste, uses a non-chromium pre-treatment wash, and reclaims 93% of the waste water via a reverse-osmosis membrane filtration system.
- Our manufacturing facility in Oakland, CA utilizes a fully automated, computerized machining center that is programmed to continue running and producing high-precision parts after hours during non-peak electric usage periods and without the need of lighting or technicians.
- Our Oakland plant has over 1000 square feet of photovoltaic solar roof panels that produce as much as 11 kilowatts/hour of sun-generated electricity.

To discuss how our products can help you earn LEED points for your upcoming projects, please give us a call at 1-800-888-2418.

DESIGN·RAIL™ Aluminum Railing Systems

Searching For a Complete Railing System? Look No Further.

DesignRail™ Aluminum Railing Frame Systems combine the durability of aluminum with innovative design details to ensure lasting beauty, structural integrity, easy installation 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 quickly and easily cut and assembled on site, using pre-engineered components that snap and screw together. DesignRail™ 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 cap 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 grab rails, custom gates and low-voltage LED lights
- Detail drawings and 3-part specifications available at www.designrail.com
- Toll-free design assistance and technical support line, 1-800-888-2418

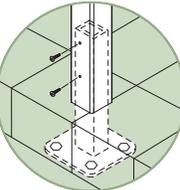
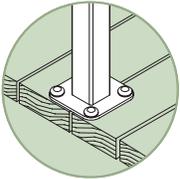
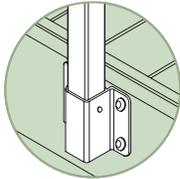
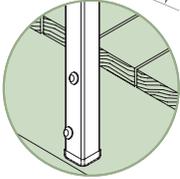
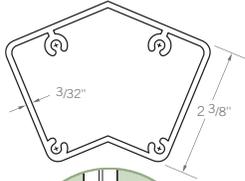
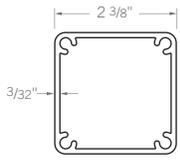
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P R O D U C T S



DesignRail

Posts



Posts are made from heavy-duty 2-3/8" square tube extrusions with a 3/32" wall thickness. 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 posts which must be field-drilled). All square posts can be fascia, surface, fascia bracket, or stanchion mounted.

We also offer a 45° corner post that allows single post construction at 45° corners. These extrusions come pre-cut and pre-drilled (except when used on stairs) and can be surface or fascia mounted.

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 are available with either a 3/4" or 1-1/4" standoff
- Railing must have a bottom foot rail when using this mounting method

SURFACE MOUNT

- For top mounting to deck, patio or stair tread surfaces
- 5-inch square base plates come pre-attached

STANCHION MOUNT

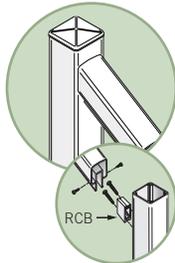
- For mounting on stone or tile covered concrete slabs or on roof decks where penetration of waterproof roofing membranes must be minimized
- Short stanchions are attached to the structural members prior to pouring the slab or laying the roof membrane
- Railing posts are then sleeved over the protruding stanchion ends and secured with screws

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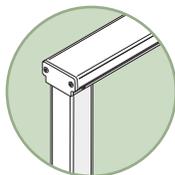
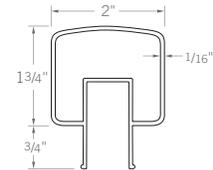
Cap Rails

Cap rails come in 5 styles and are sold in 10-ft and 20-ft lengths that can be trimmed to size in the field. Series 100 Graspable Cap Rails are used exclusively on stairs to provide a graspable top rail, and they are attached to the faces of the stair posts using Rail Connecting Blocks (RCBs). Series 200, 300, 350 and 400 Cap Rails rest on the tops of the posts and are secured with stainless steel screws. Applied Continuous Grab Rails with extensions and returns (see page 44) are available as an accessory item to meet ADA and code stair grab rail requirements.



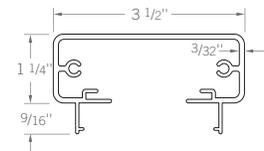
SERIES 100 CAPS FOR STAIRS

- 2" wide graspable cap rail for stairs
- Meets residential code requirements for stair grab rail sizing
- Requires an Applied Grab Rail (page 44) when used on stairs in commercial settings



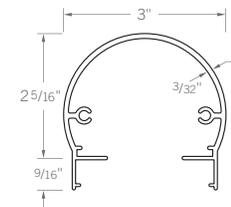
SERIES 200 CAPS

- 3-1/2" wide rectangular cap rail
- The flat surface is a convenient perch for your favorite beverage as you relax and gaze at the view
- Requires an Applied Grab Rail when used on stairs



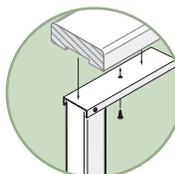
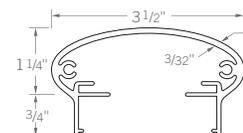
SERIES 300 CAPS

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



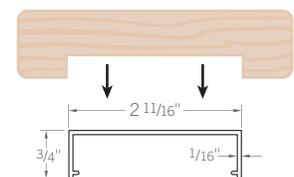
SERIES 350 CAPS

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



SERIES 400 CAPS

- Low-profile cap for adding your own wood or composite top rails (must be used with top rail to achieve necessary frame strength—wood and composite top rails not included)
- Requires an Applied Grab Rail when used on stairs



DesignRail

Frame Colors

- Durable powder-coated finishes are available in 8 standard colors and over 200 custom colors
- Finishes meet rigorous AAMA-2604 coating specifications for superior color retention, impact resistance and weather protection

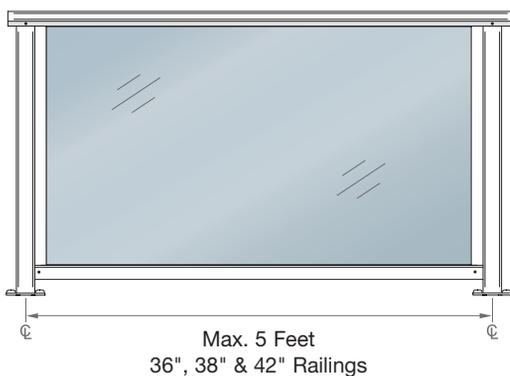
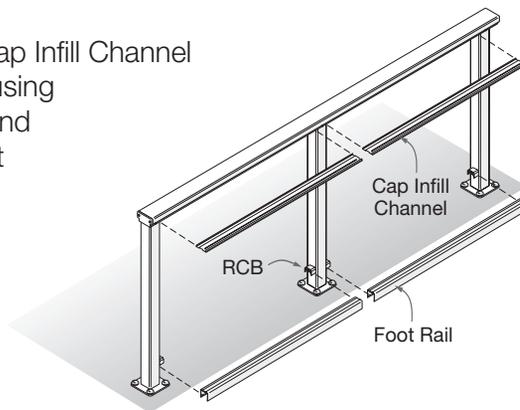


The standard color samples shown above represent approximate color only.

Infill

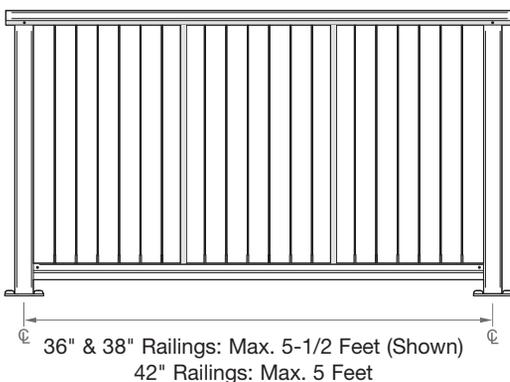
The basic infill options are illustrated below. However, Feeney can also assist with custom infill options such as textured, etched or decaled glass panels, special picket designs, or even wood strips or panels for solid barriers or fences.

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



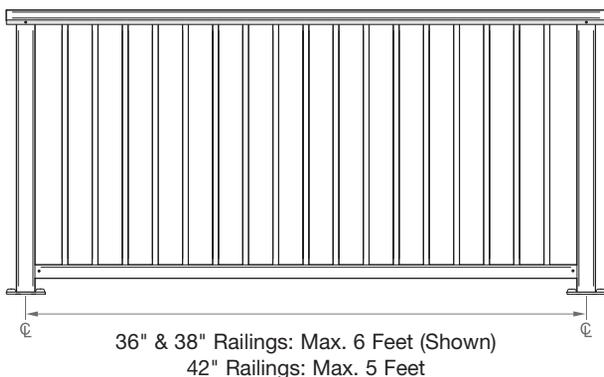
TEMPERED GLASS

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



VERTICAL CABLES

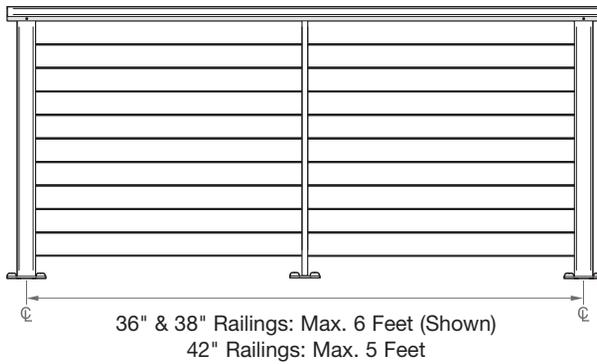
- 1/8" diameter 316-grade stainless steel cables come prefabricated to size with all of the attachment fittings, ready to install
- Two vertical intermediate pickets are spaced mid-span to maximize frame rigidity
- Vertical cable infill cannot be used with Series 400 cap rails



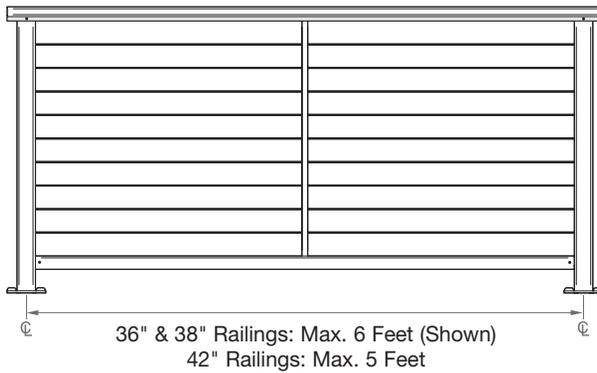
VERTICAL PICKETS

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

WITHOUT FOOT RAIL



WITH FOOT RAIL



HORIZONTAL CABLES

- 1/8" diameter 316-grade stainless steel CableRail™ cable assemblies (see page 12) include all of the attachment fittings and come prefabricated 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) come pre-drilled, ready for cable installation

Horizontal Foot Rails are required for 42" high frames and may be used as an option on 36" and 38" frames.





Project: Heather's Home, Ferrier Custom Homes.

Tools



MILL BASTARD FILE

- For smoothing edges and removing burrs on aluminum parts after cutting

Part#	Type	Length
5032	Single cut	8"



CARBIDE SAW BLADES

- For cutting aluminum posts, caps and channels
- High-grade, fine-tooth blades fit standard chop saws

Part#	O.D.	Hole	Teeth/Inch
5030	10"	5/8"	80
5031	12"	1"	96



CABLE CUTTER

- For shearing stainless steel cables cleanly and easily

Part#	Cable Size	Length
2972-pkg	Up to 1/8"	7-1/2"



ABRASIVE DISKS

- For trimming and touching-up exposed cable and threads
- Fits 4-1/2" electric grinders with 7/8" arbor holes

Part#	Type
3219	Cut-Off Disk
3220	Grinding Disk



CABLE LACING NEEDLE

- For quickly lacing cable ends through posts without snagging

Part#	Cable Size	Length
3221	1/8"	4-1/2"



ENVIRO-MAGIC® CLEANER

- For cleaning and protecting stainless steel cables and hardware
- Non-toxic, biodegradable

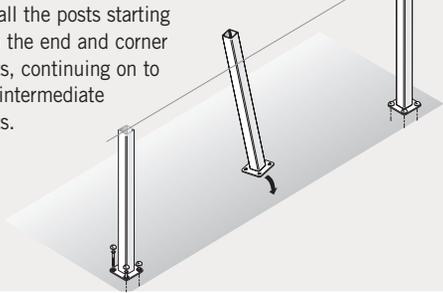
Part#	Description
5063	16 oz. spray bottle

Construct your railing frame in 5 simple steps.

DesignRail™ 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.designrail.com.

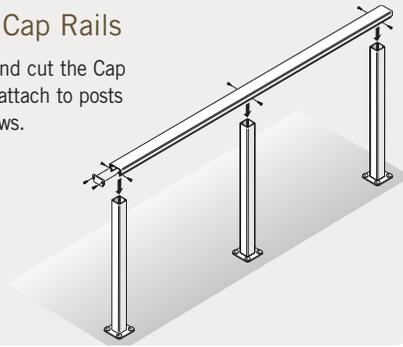
1 Install Posts

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



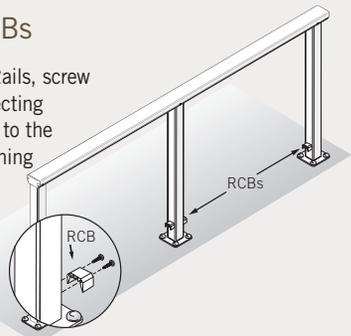
2 Attach Cap Rails

Measure and cut the Cap Rails and attach to posts using screws.



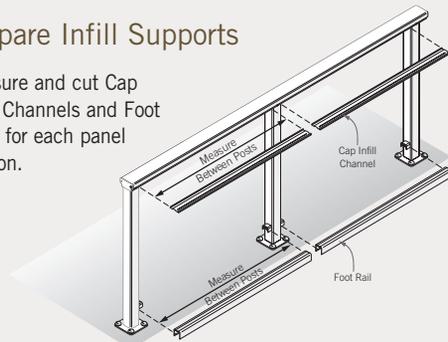
3 Attach RCBs

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



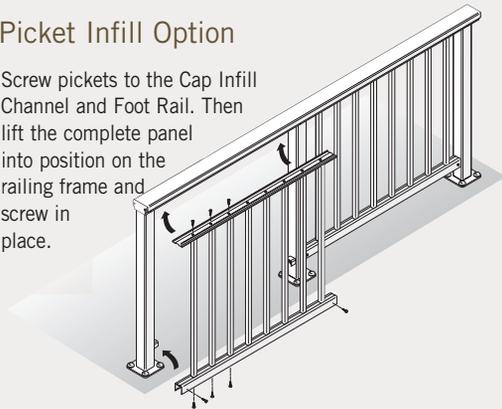
4 Prepare Infill Supports

Measure and cut Cap Infill Channels and Foot Rails for each panel section.



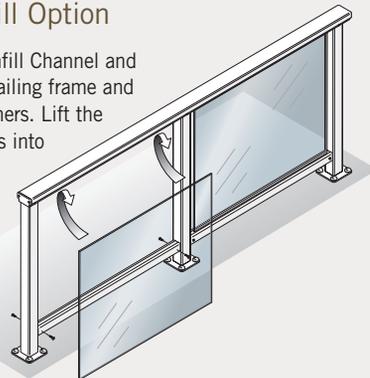
5a Picket Infill Option

Screw pickets to the Cap Infill Channel and Foot Rail. Then lift the complete panel into position on the railing frame and screw in place.



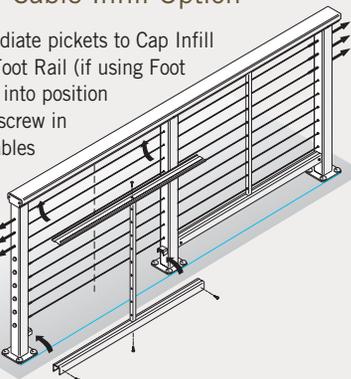
5b Glass Infill Option

Attach Cap Infill Channel and Foot Rail to railing frame and insert vinyl liners. Lift the pre-cut panels into the Cap Infill Channel, then lower into final position in Rail slot.



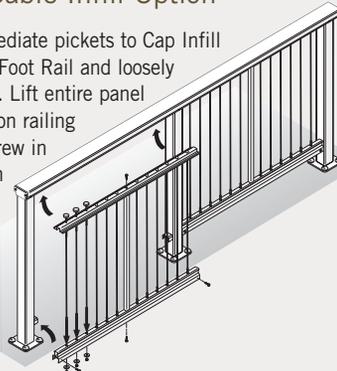
5c Horizontal Cable Infill Option

Screw intermediate pickets to Cap Infill Channel and Foot Rail (if using Foot Rail), then lift into position on frame and screw in place. Lace cables through pre-drilled holes in posts and pickets, then tighten.

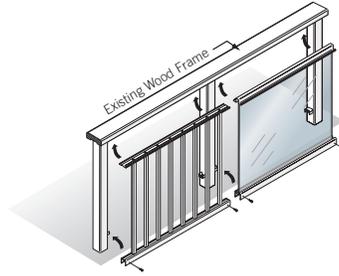


5d Vertical Cable Infill Option

Screw intermediate pickets to Cap Infill Channel and Foot 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.

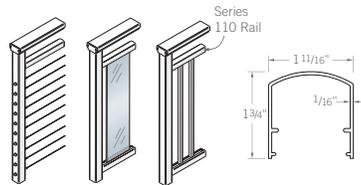


Additional Items



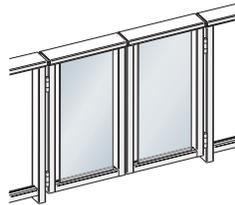
CUSTOM PANELS

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



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 Blocks (RCBs)



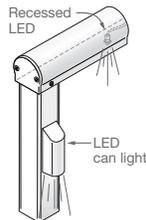
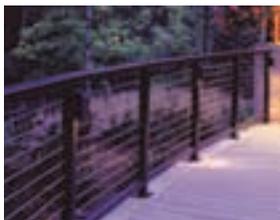
GATES

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



APPLIED CONTINUOUS GRAB RAILS

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



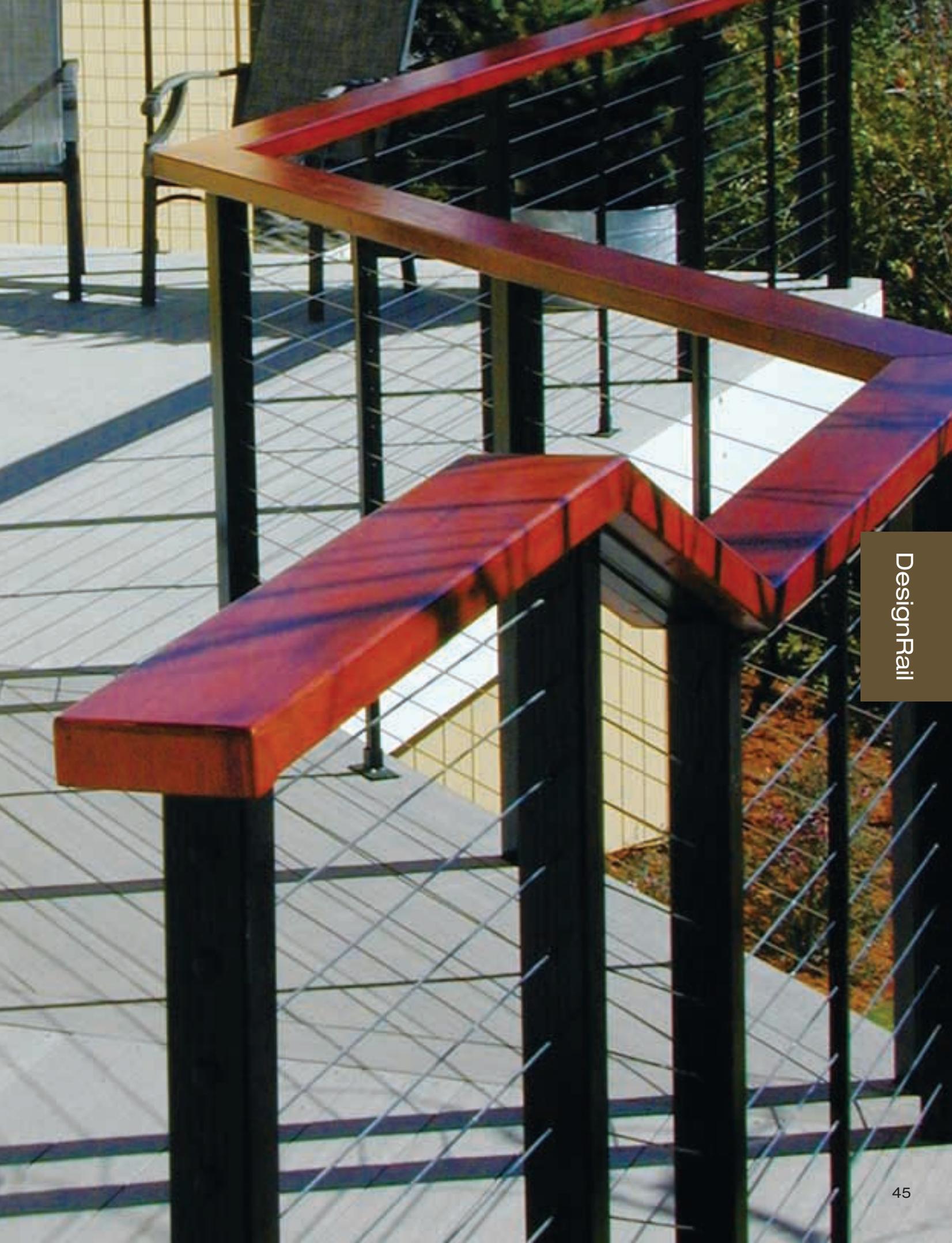
LOW VOLTAGE LED LIGHTS

- Direct 12 volt LED recessed and can-style lights
- Installation must be done by a licensed electrician

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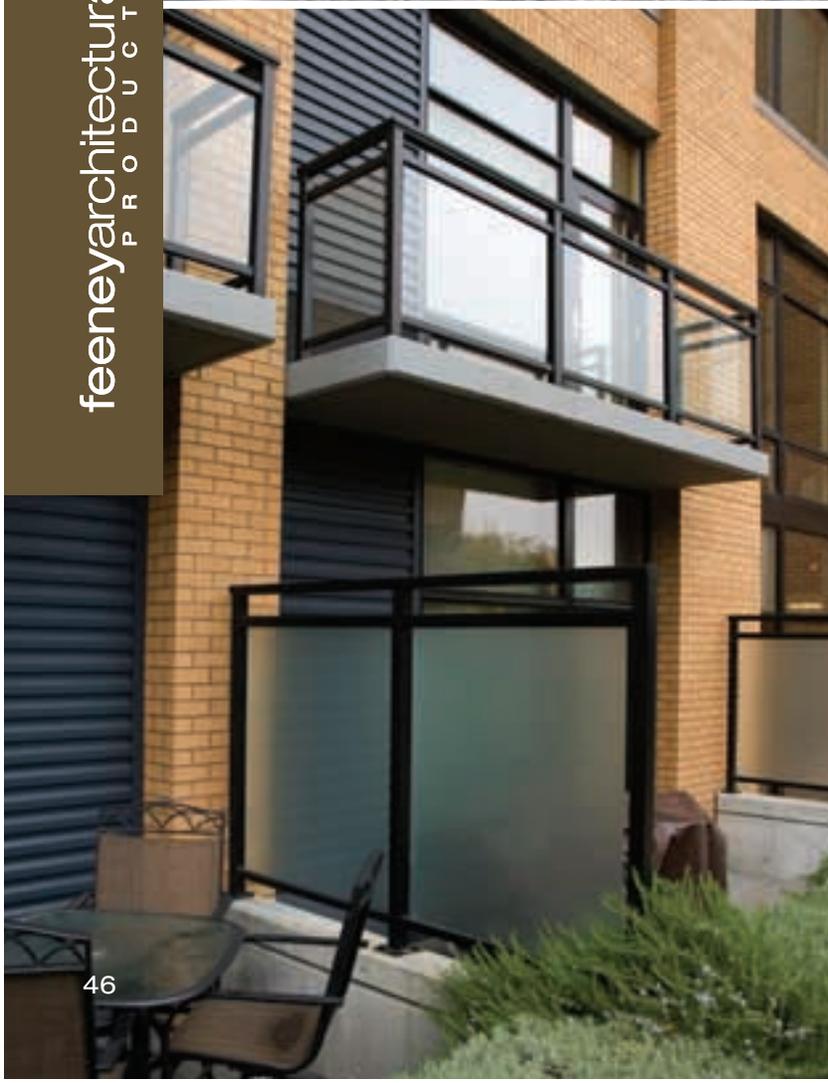


DesignRail



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HOW TO ORDER DESIGNRAIL™

- 1) **Carefully Review:** Read all of the product information provided in this catalog and on our website www.designrail.com. If you have questions, please call our sales department for assistance, *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 Cap Rail:** Series 200, 300, 350, 400 or Series 100 for stairs.
- 5) **Choose Infill:** Aluminum picket, glass, horizontal cable or vertical cable.
- 6) **Pick Frame Color:** Choose from the 8 standard colors or call for custom colors.
- 7) **Review Other Items:** Will you need stair grab rails, low voltage lights or gates?
- 8) **Confirm Details & Prices:** All railing projects are unique. Call us at *1-800-888-2418*, and our staff will assist you in confirming a list of the parts needed for your project and provide you with a price quote.
- 9) **Place Your Order:** Please call, fax or e-mail us your final list for order processing. Standard orders ship via common truck carrier, freight collect.

FREE: 1-800-888-2418
PH: 1-510-893-9473
FAX: 1-510-893-9484
SALES@FEENEYWIRE.COM
WWW.DESIGNRAIL.COM

Note On Packaging

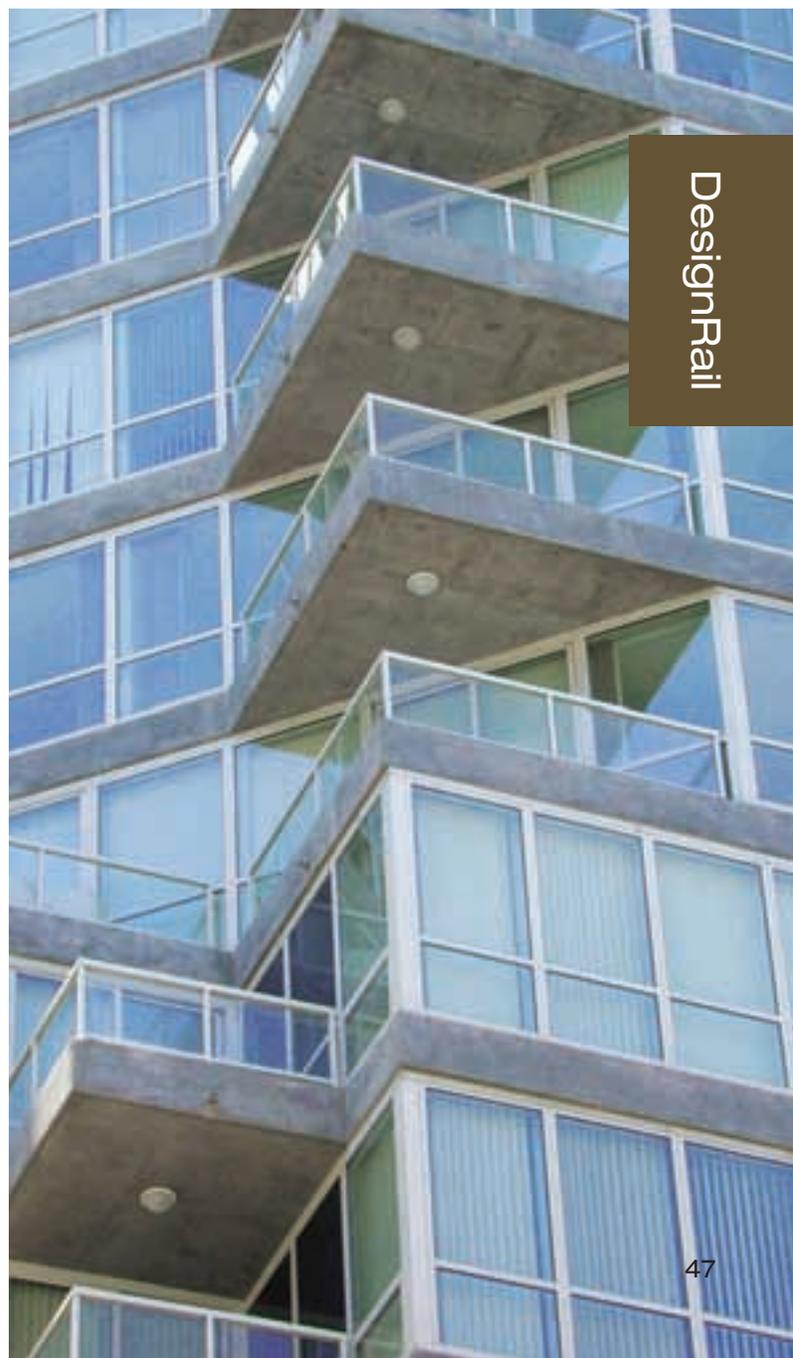
All DesignRail™ aluminum frames and components are carefully packaged to ensure that products arrive damage-free. Cap Rails, Foot Rails and Cap Infill Channels are shipped in special 10-ft and 20-ft boxes, and all posts and hardware items are boxed, wrapped and shipped on standard pallets.

IMPORTANT NOTE

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

10 YEAR LIMITED WARRANTY

Feeney Inc (Feeney) warrants that all DesignRail™ Aluminum Component Railing Systems adhere to AAMA 2604 coating specification guidelines and will not crack, flake, blister or peel under normal use, conditions, installation and maintenance in accordance with product specifications for ten (10) years from date of purchase. In addition, Feeney warrants that the stainless steel cable and connectors shall be free from defects in material and workmanship under normal use, conditions, installation and maintenance in accordance with product specifications for ten (10) years from date of purchase. The complete text of this warranty is available on our websites www.designrail.com and www.cablerail.com.





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Sales Locations

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Email: sales@feeneywire.com

FEENEY NORTHWEST LLC

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Eugene, OR 97402
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Ph: 1-541-683-8122
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Email: sales@feeneynw.com

FEENEY SOUTHWEST INC.

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Email: info@feeneymfg.com

