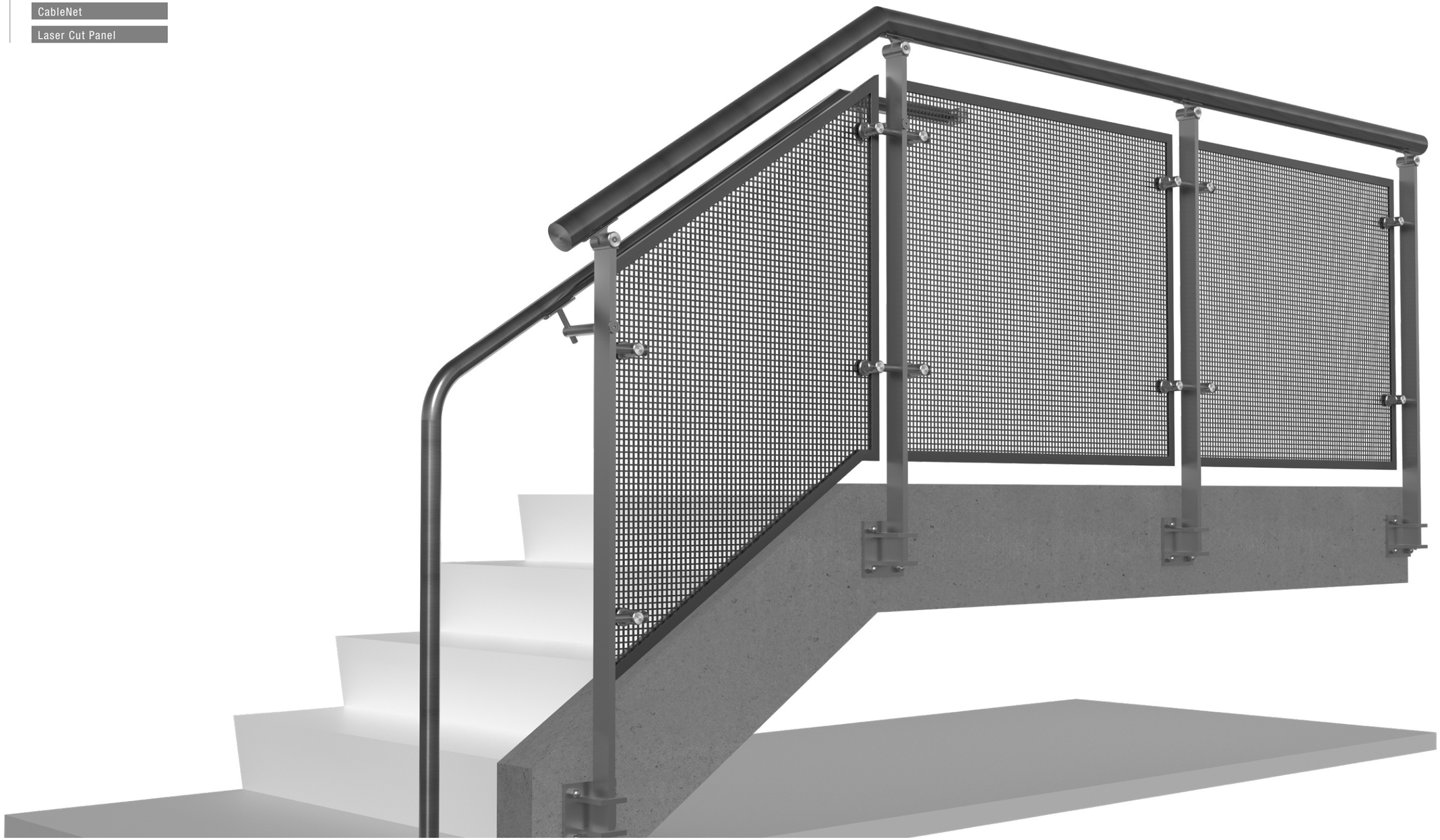
VIVA RAILINGS®
LEADERS IN ARCHITECTURAL RAILING SYSTEMS

DESIGN ✣ ENGINEER ✣ FABRICATE ✣ INSTALL

BEACON PERF RAILING SYSTEM
PRODUCT DATA

BEACON - AVAILABLE INFILLS

- Glass
- Perforated Metal
- Wire Mesh
- Cable
- CableNet
- Laser Cut Panel



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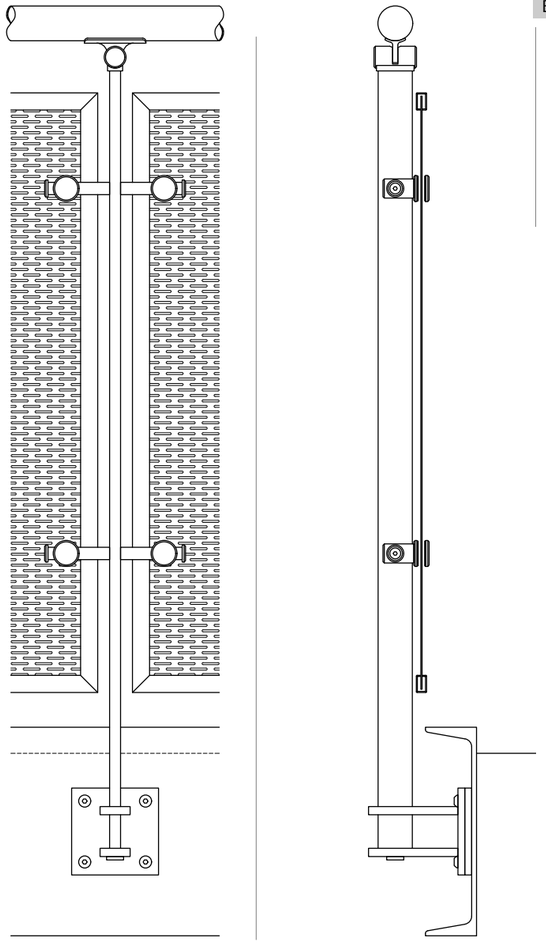
BEACON™ PERF RAILING SYSTEM

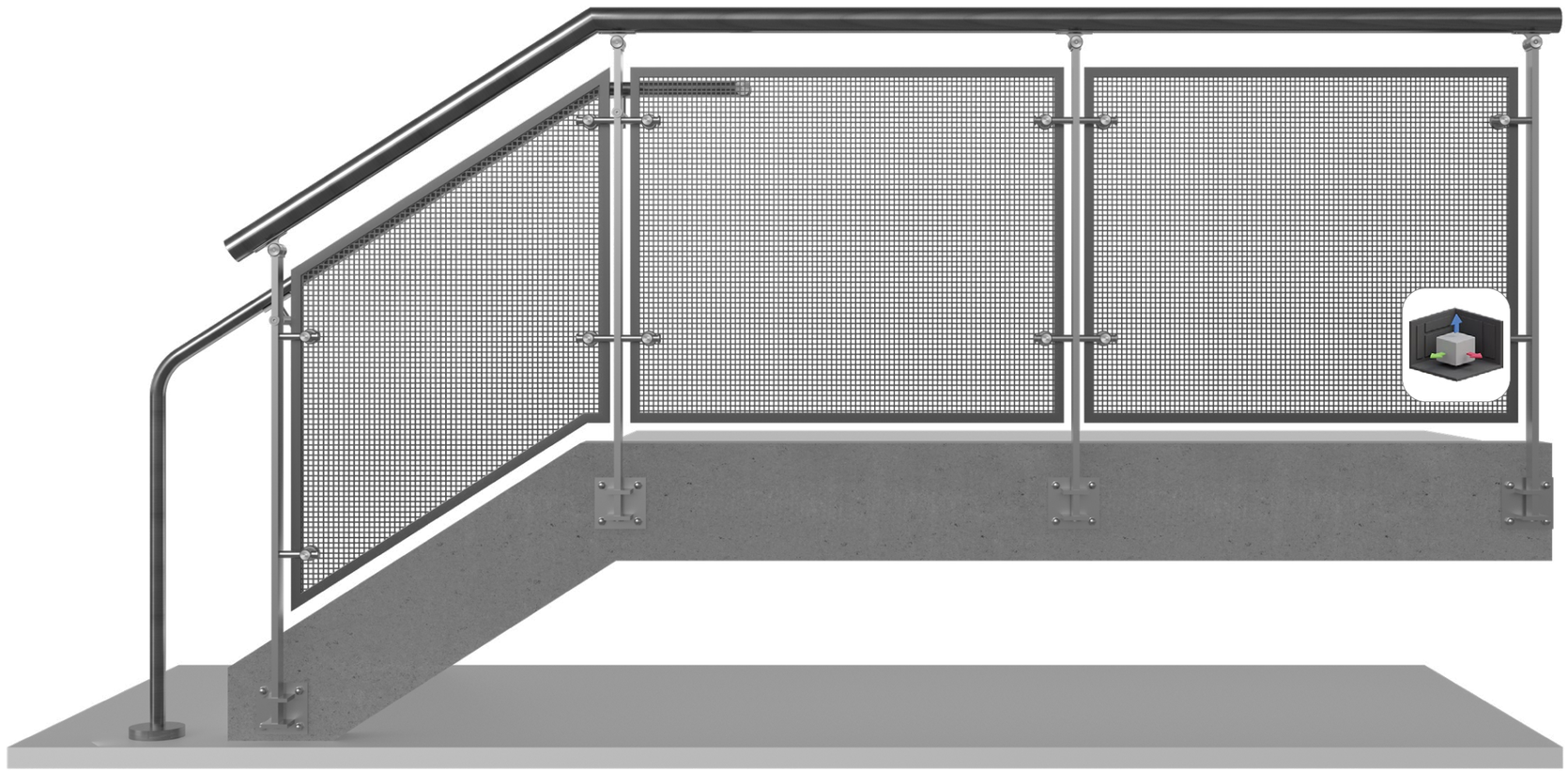


BEACON - AVAILABLE INFILLS

- Glass
- Perforated Metal
- Wire Mesh
- Cable
- CableNet
- Laser Cut Panel

Other mounting options available.

Our BEACON Stainless Steel Railing System has a modern design with clean lines. This sleek system consists of single flat bar posts that are available in a range of striking metallic colors to accent your interior layout.



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BEACON™ GLASS & METAL SYSTEM - TECHNICAL DATA

	MATERIAL	FINISH	SIZE/SPACING
POST	Stainless Steel (304 or 316)	- #6 Satin	2” Flat bar @ 5’-0” max. O.C. for glass infill, 4’-6” max. for perforated and wire mesh infill. 2”x2” End post, 2” flat bar intermediate post @ 4’-0” max. for cable infill. Fascia, Top or Core mount.
	Stainless Steel (201)	- CeraShield (Recommended) - Powder Coat - PVDF VIVA Standard: All brackets, spiders, and accessories are satin finish stainless steel and are not coated. A coated finish is available upon request.	
INFILL OPTIONS	Glass	Clear, Digitally Printed, Tinted, Colored Interlayer, Cast	Min. 3/8” laminated glass with PVB or SGP interlayer[1] Glass standard thickness: 3/8”, 1/2”, 5/8”, 3/4” Interlayer standard thickness: SGP: 0.035” , 0.06” PVB: 0.035”
	Perforated Metal	- #6 Satin - CeraShield (Recommended) - Powder Coat - PVDF	1” wide frame
	Laser Cut		1/4” thick aluminum
	Steel Wire Mesh Weld Applies for WM-38ST and WM-50ST wire mesh options.		1” wide frame
	Stainless Steel Wire Mesh Weld Applies for WM-38SS and WM-50SS wire mesh options.	#6 Satin	
	Stainless Steel Wire Mesh Woven Applies for WM-10SS, WM-11SS, WM-13SS and WM-14SS wire mesh options.		
	Cable		Ø3/16” cable
	CableNet		Ø1” frame, Ø1/16” (1.5mm) cable mesh
TOP RAIL/HAND RAIL	Stainless Steel Tube	- #6 Satin (Recommended) - CeraShield - Powder Coat - PVDF	Ø1-1/2” or Ø2” for Hand Rail Ø1-1/2”, Ø2” or 2”x1” Rectangular Tube for Top Rail
	Stainless Steel Tube with LED [2]		Ø1-1/2” with LED LINEAR, Ø1-1/2” or Ø2” with LED POD
	Wood (Red Oak, Cherry or Maple) [3]	Unstained	Ø2”
	Wood (Red Oak, Cherry or Maple) with LED		Ø2” with LED LINEAR

Intertek

1. IBC 2015 & newer requires railing glass to be laminated. VIVA recommends SGP for exterior applications.

2. All LED LINEAR products are ETL certified; ETL mark is proof of product compliance to North American safety standard.

3. Other species available upon request.

4. $ to $$$: Indicates finish type comparative cost.

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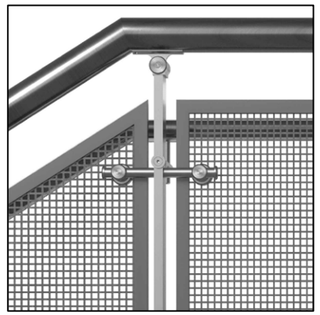
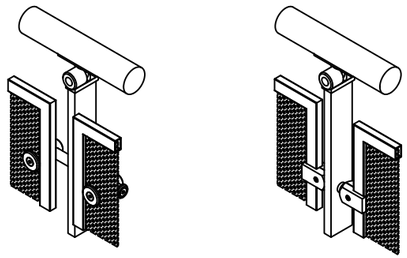
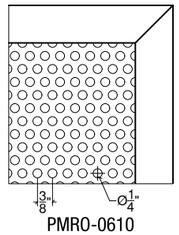
BEACON RAILING SYSTEM
PERF METAL INFILL





AVAILABLE PERFORATED TYPES



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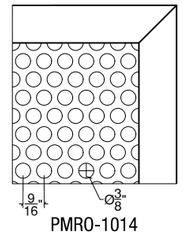

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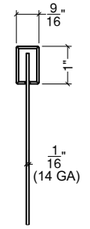
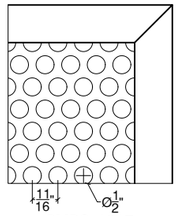


SECTION VIEW



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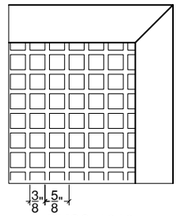

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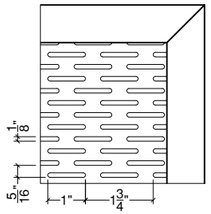

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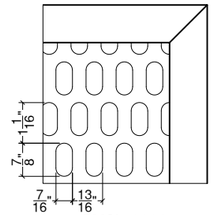

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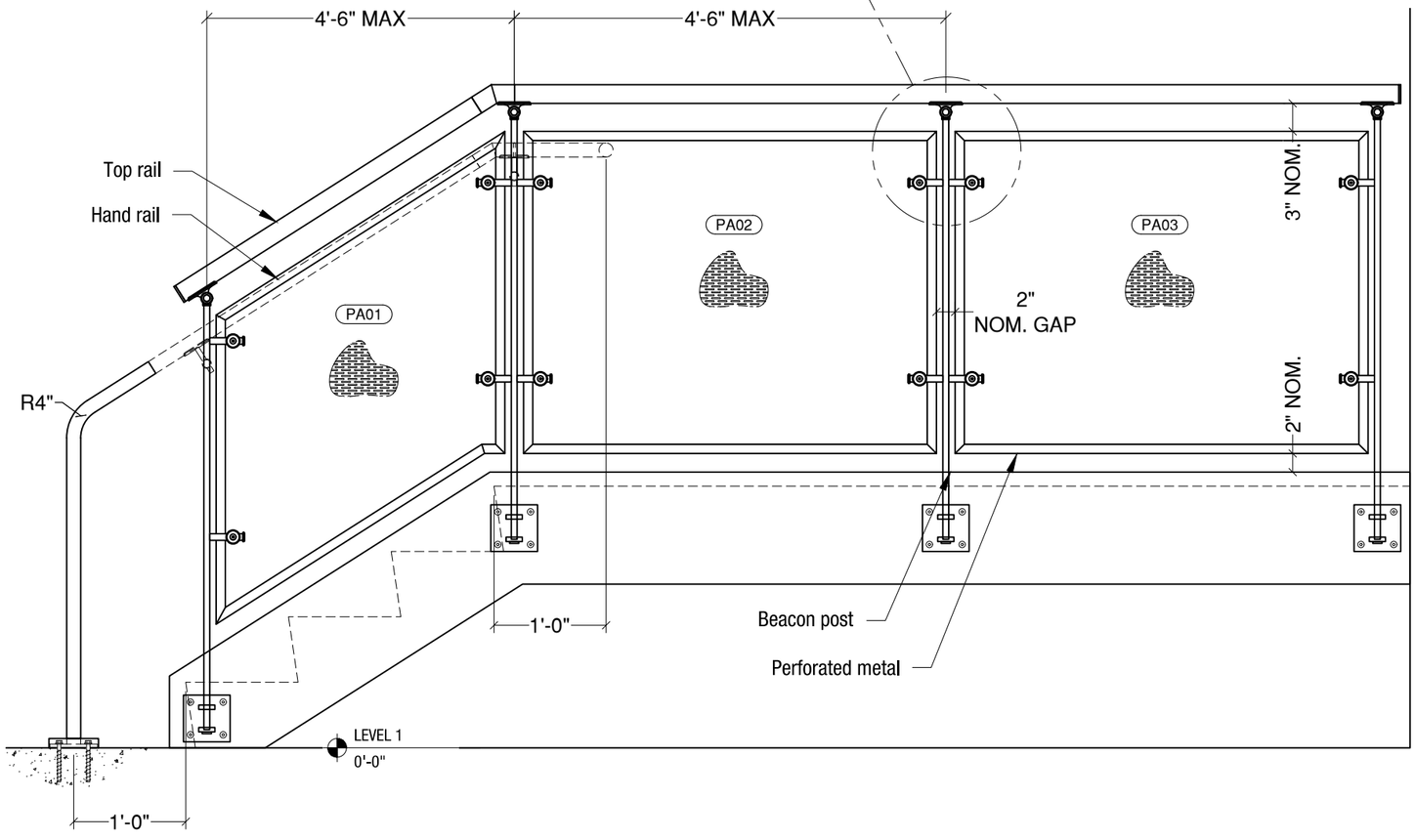

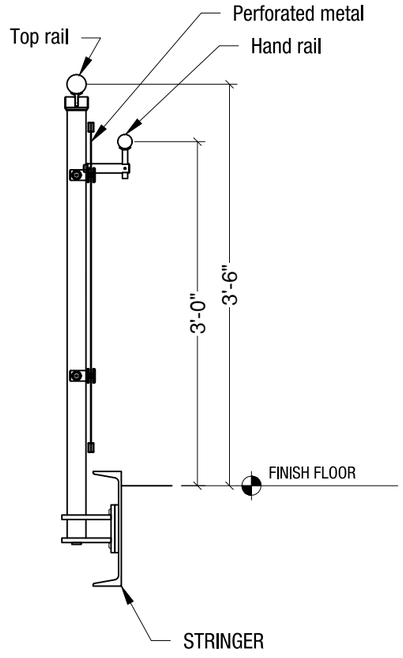

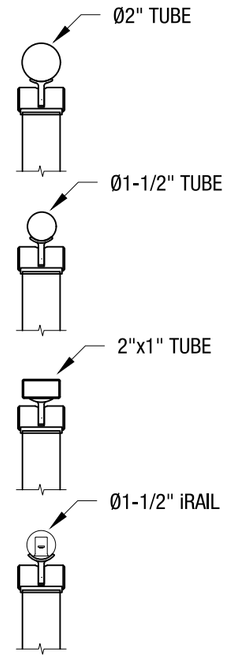

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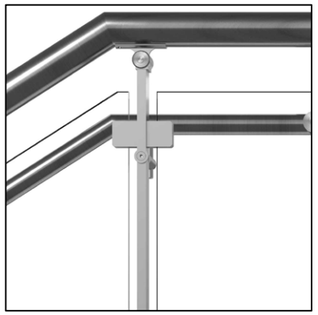
BEACON RAILING SYSTEM
GLASS INFILL



AVAILABLE GLASS TYPES

AVAILABLE GLASS TYPES:

Clear Laminated (PVB or SGP)

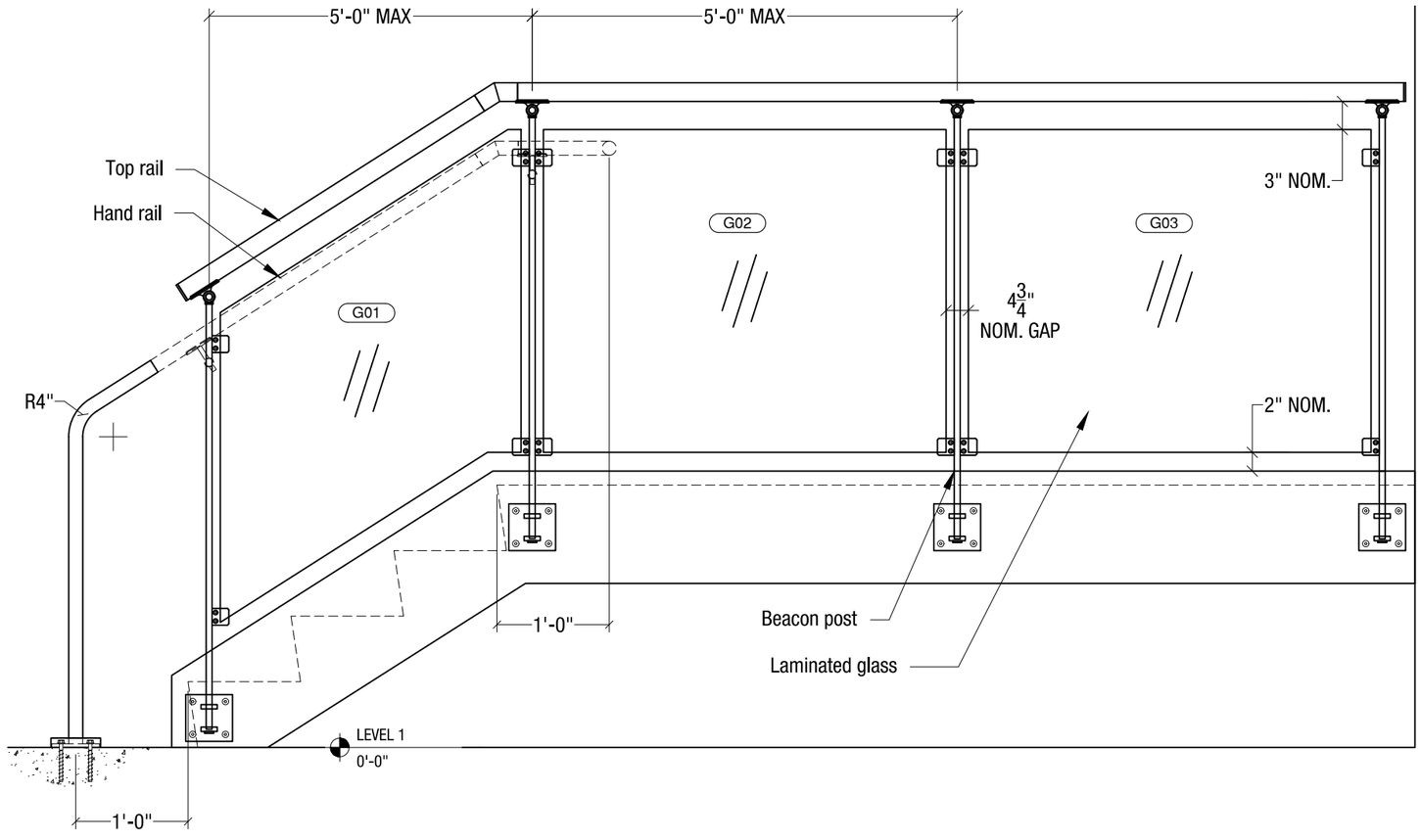
Tinted

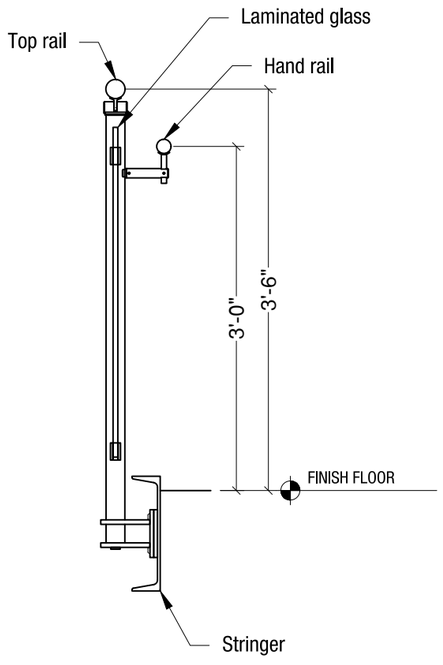
Colored Interlayer

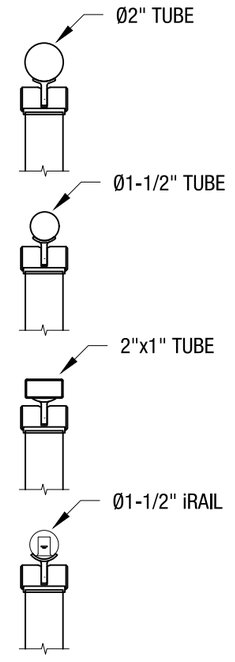
Frosted

Ceramic Frit

Casted







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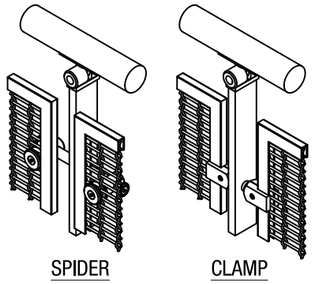
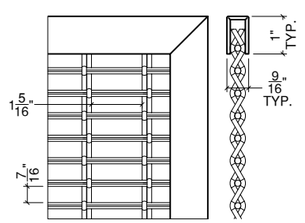
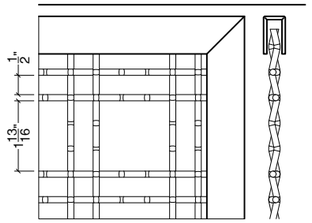
BEACON RAILING SYSTEM
WIRE MESH INFILL

AVAILABLE WIRE MESH TYPES

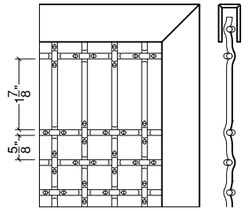




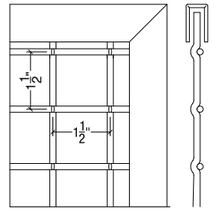
WM-10SS
(Woven SS)



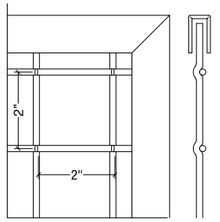
WM-13SS
(Woven SS)



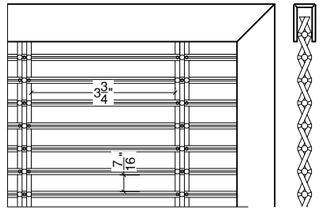
WM-17SS
(Woven SS)



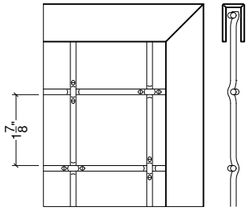
WM-38ST
(Welded Steel)



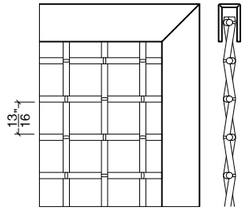
WM-50ST
(Welded Steel)



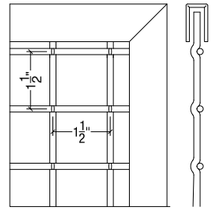
WM-11SS
(Woven SS)



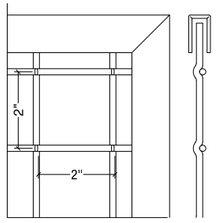
WM-14SS
(Woven SS)



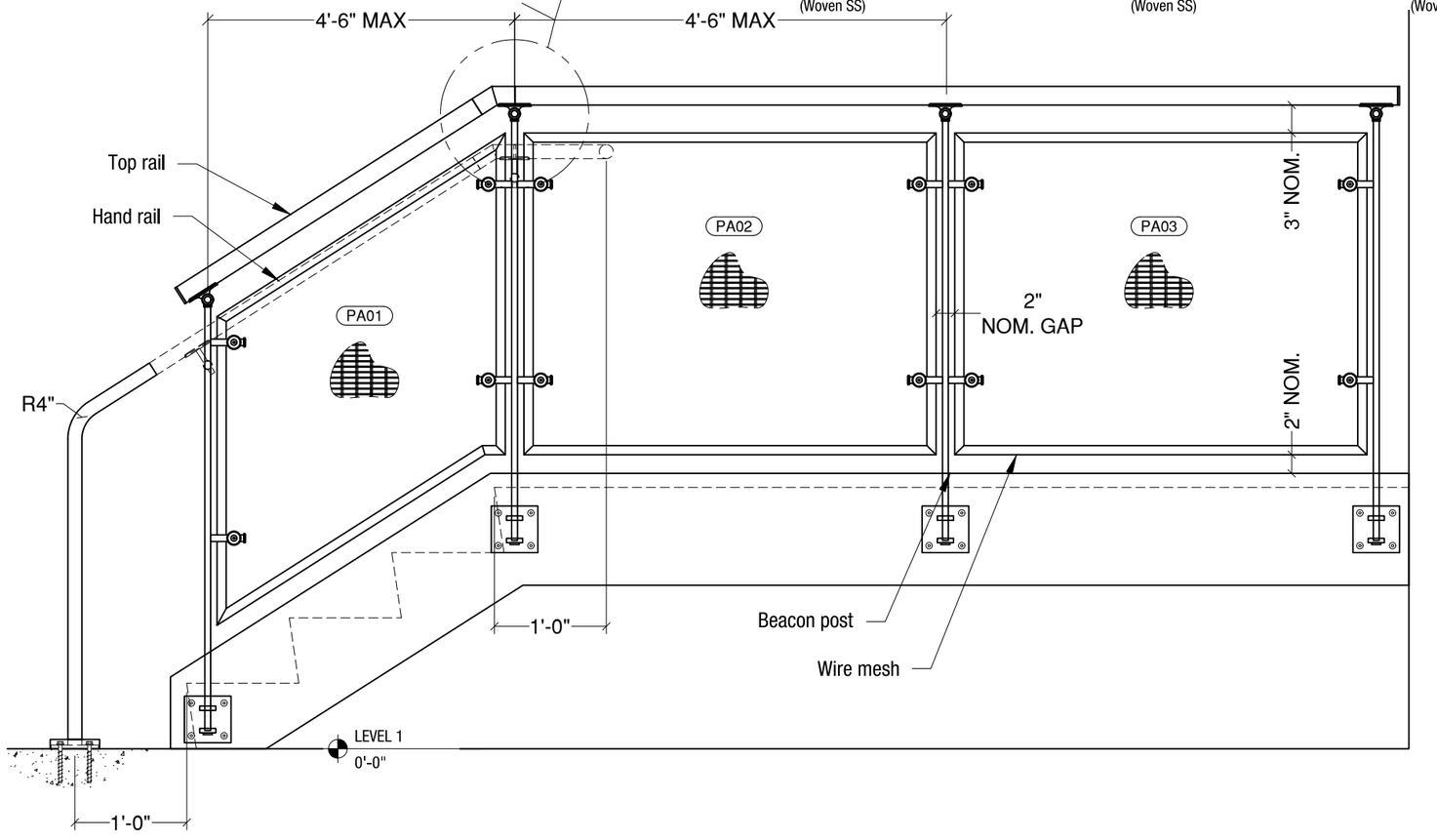
WM-20SS
(Woven SS)

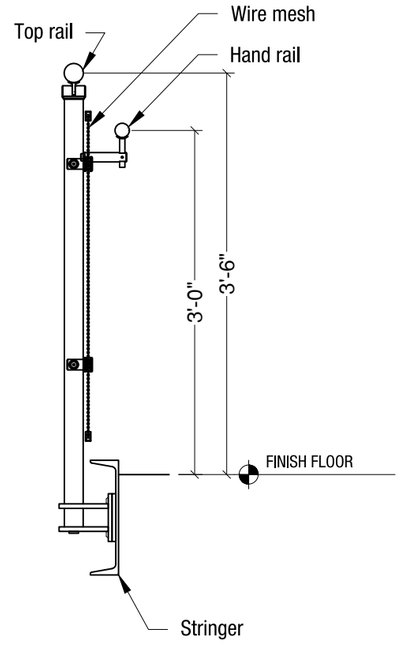


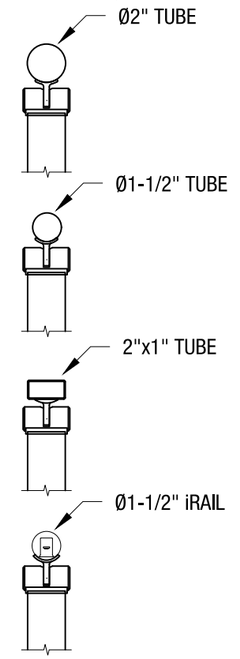
WM-38SS
(Welded Stainless Steel)



WM-50ST
(Welded Stainless Steel)







TOP RAIL OPTIONS

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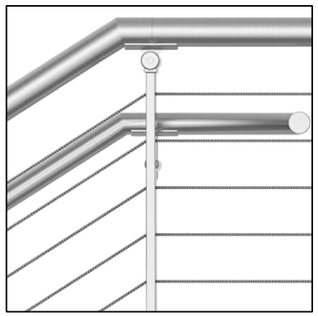
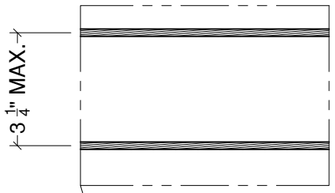
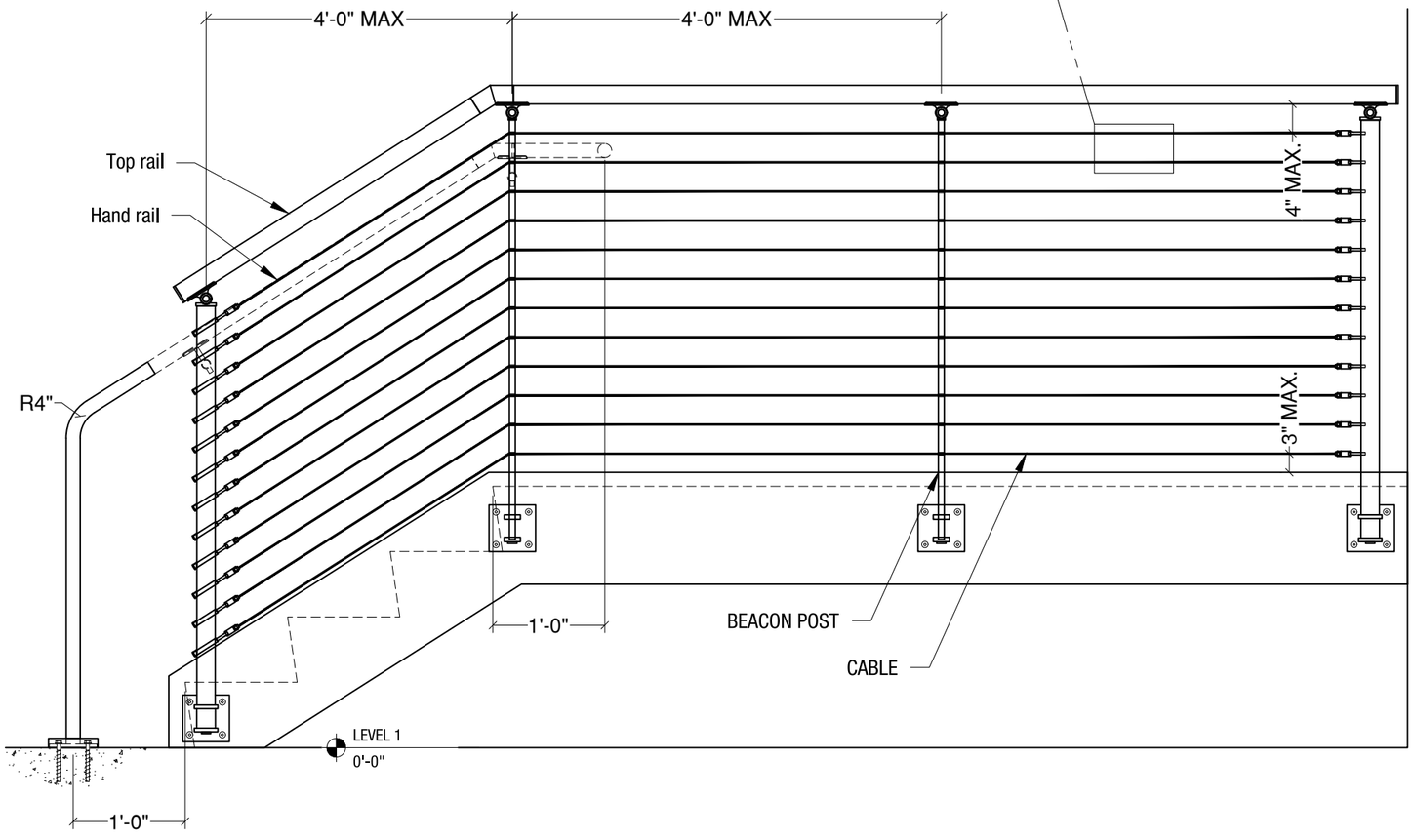
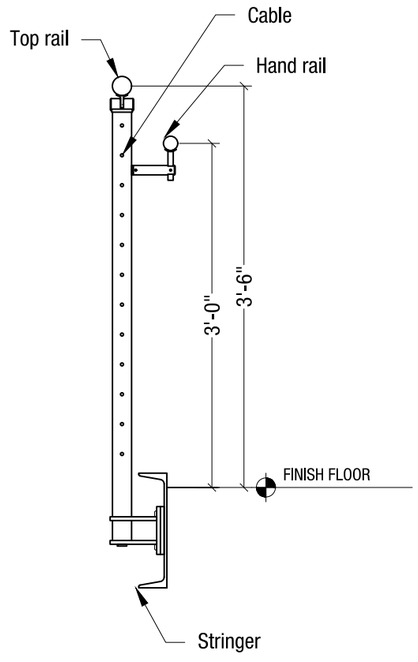
BEACON RAILING SYSTEM
CABLE INFILL

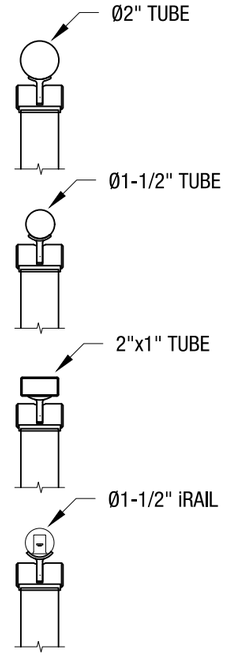




Stainless Steel 316 Cable
Ø3/16", 1X19 Construction







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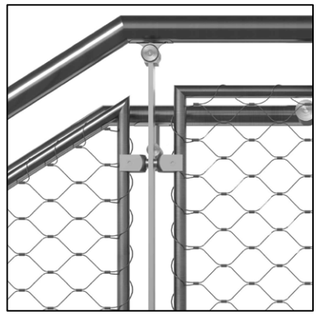
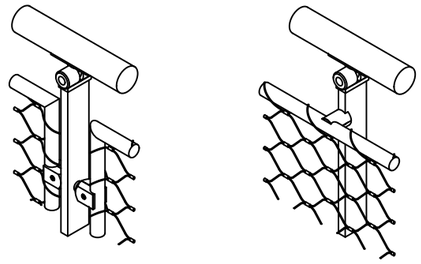
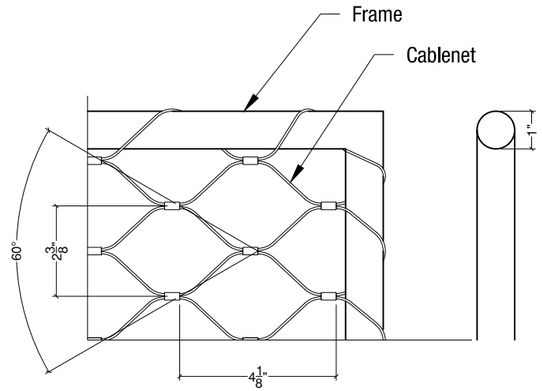
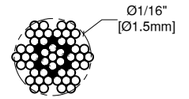
BEACON RAILING SYSTEM
CABLENET INFILL



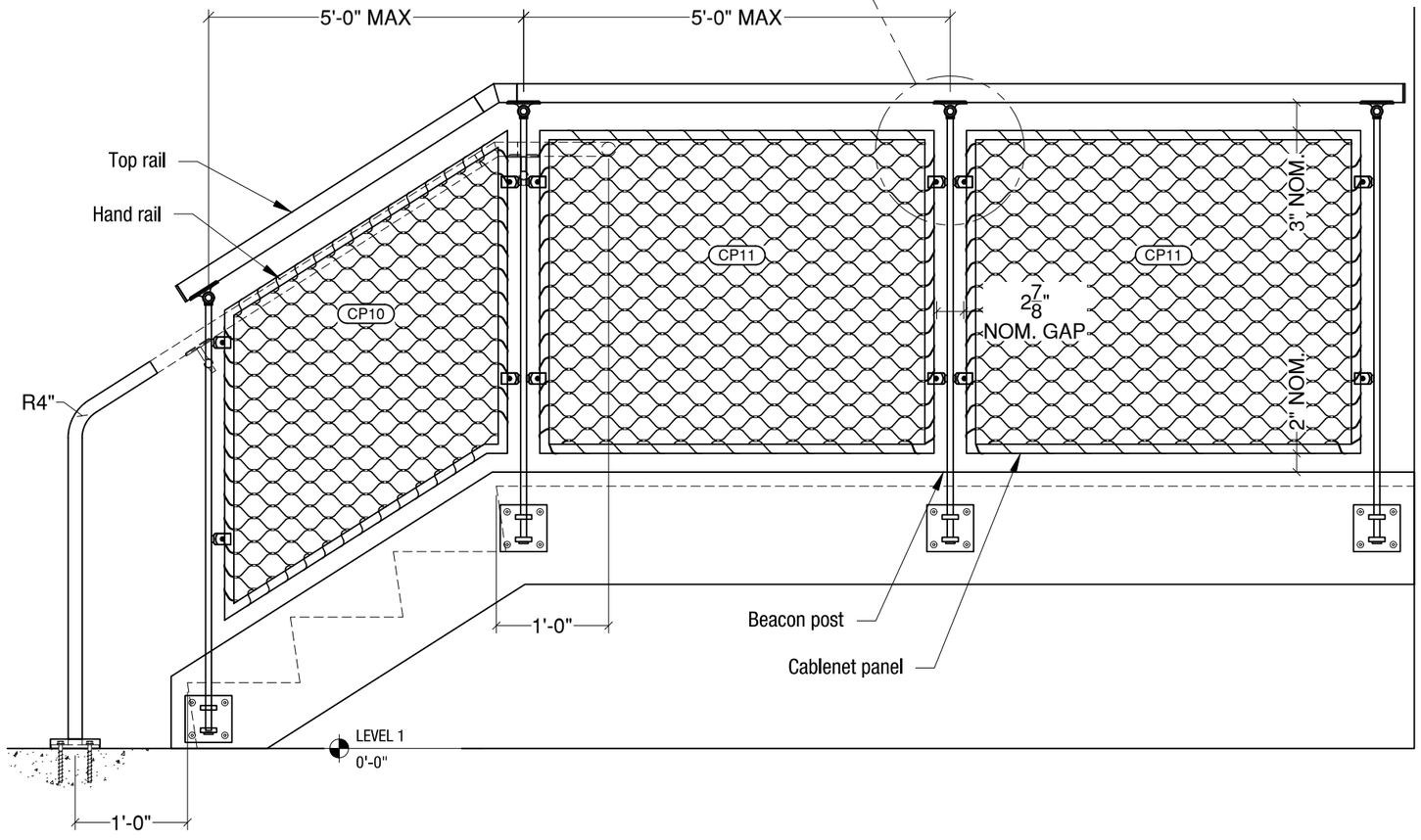


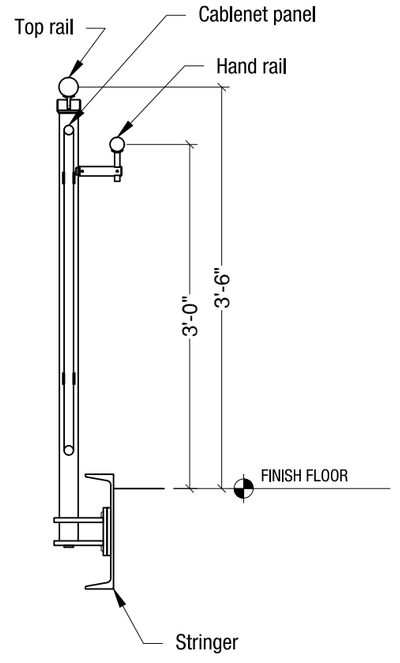


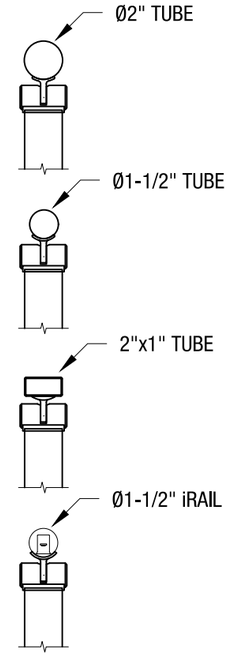
DIMENSIONS ARE NOMINAL



7x7 CONSTRUCTION
CABLE







TOP RAIL OPTIONS

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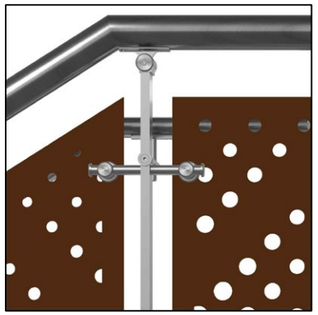
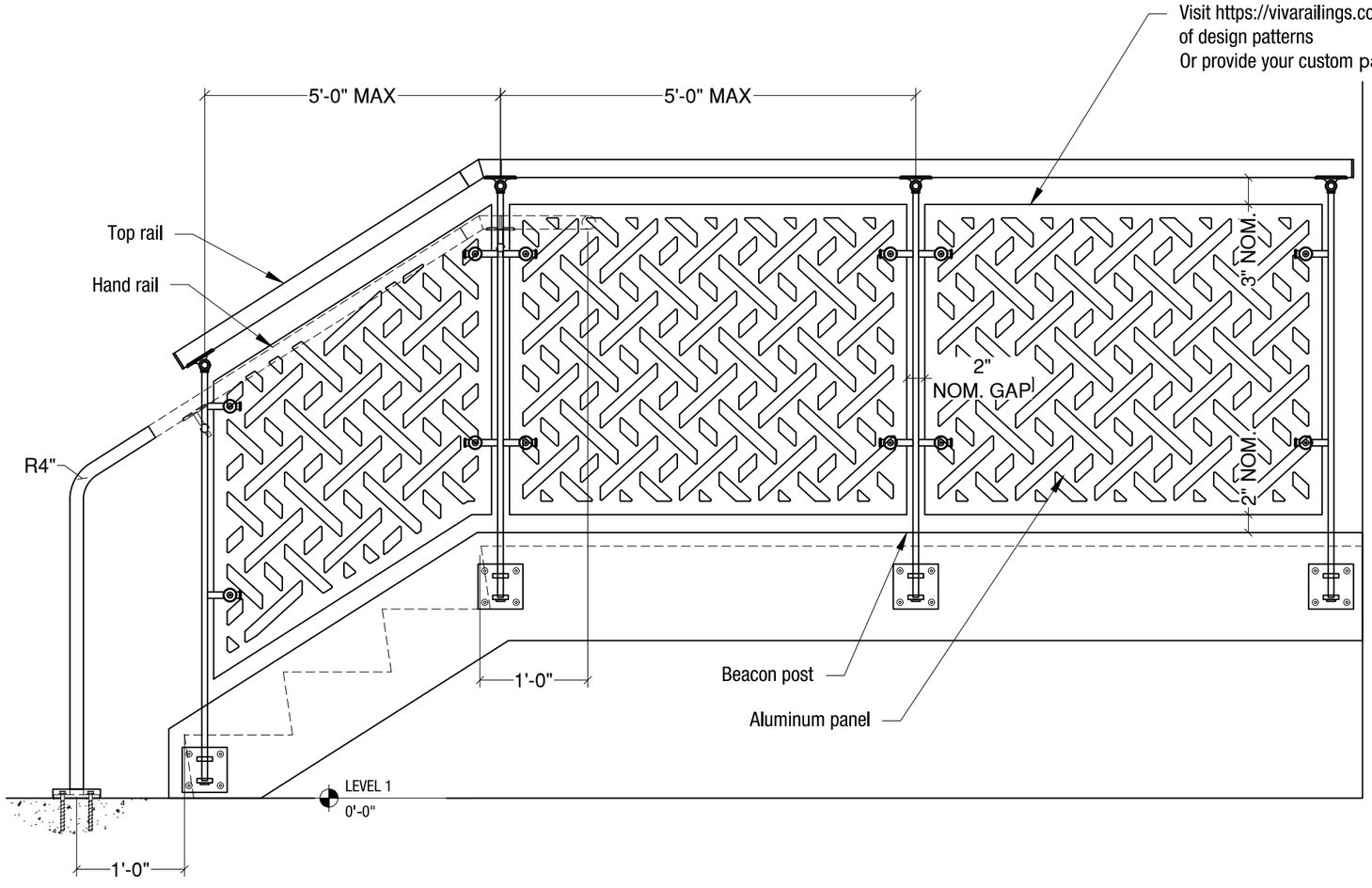
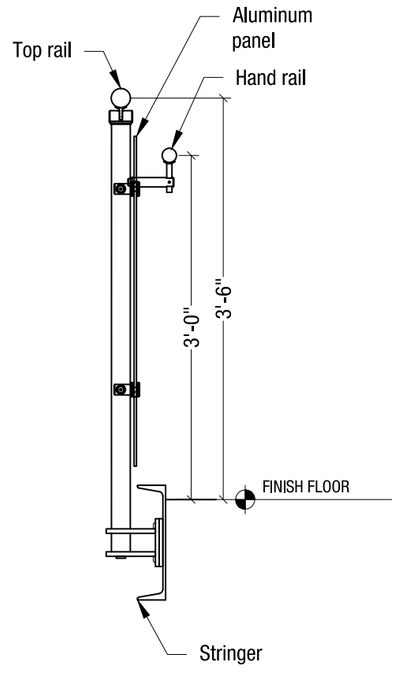
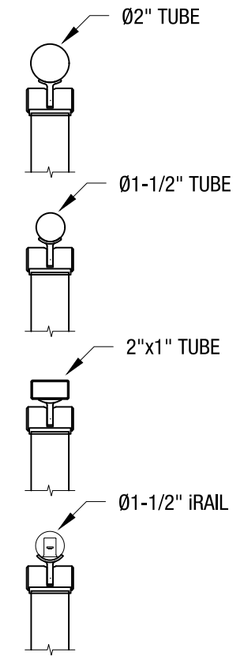
BEACON RAILING SYSTEM
LASER CUT INFILL









TOP RAIL OPTIONS

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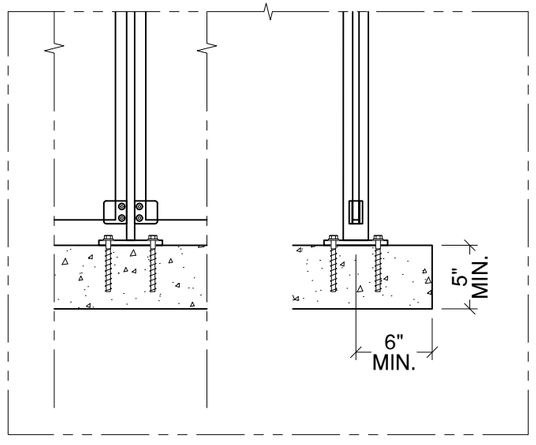
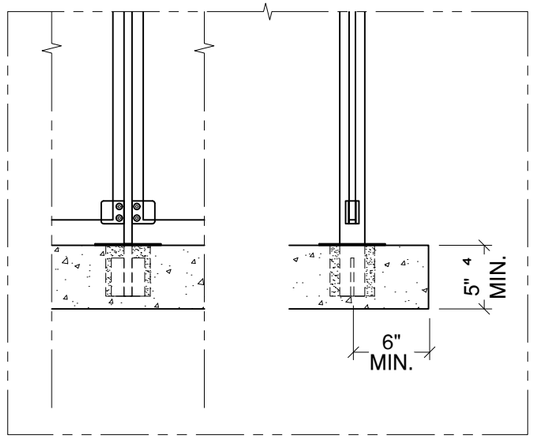
BEACON RAILING SYSTEM

MOUNTING CONDITION, TOP MOUNTED POST



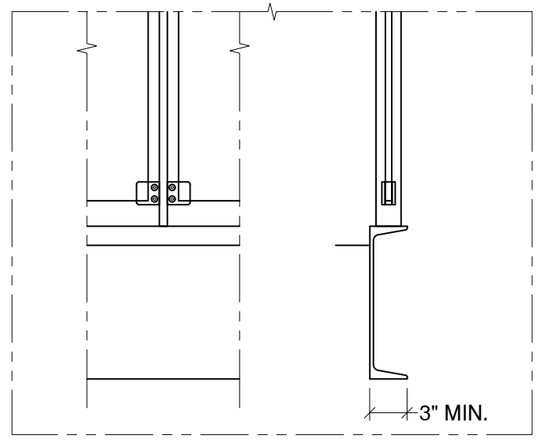
Anchored to Concrete [1] - $ [2]

Detail# BE-T01 [3]



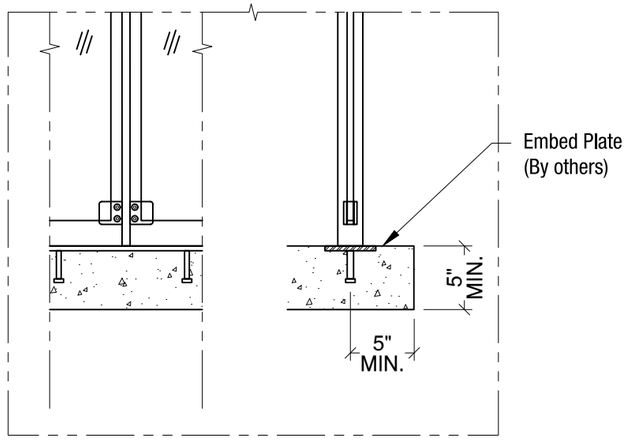
Cored into Concrete - $$

Detail# BE-T02



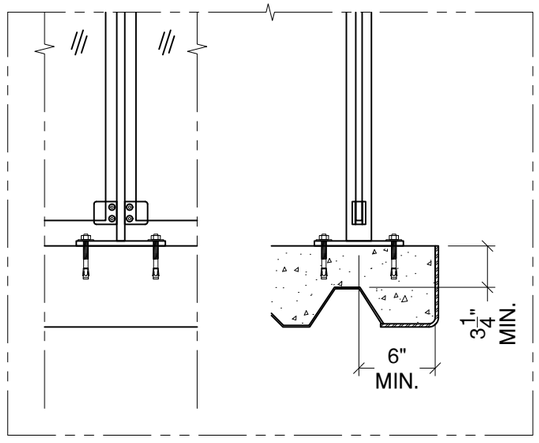
Welded @ Steel Channel - $

Detail# BE-T03



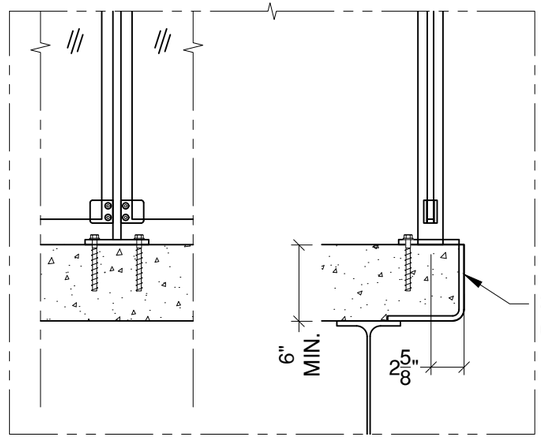
Welded @ Embed Plate - $

Detail# BE-T04



Anchored to Concrete Slab on Deck - $$

Detail# BE-T05



Anchored to Concrete
Welded to Steel Plate - $

Detail# BE-T06

(1) Min. 4000 PSI concrete, Typ.
(2) $ to $$$: Indicates mounting type comparative cost
(3) Anchoring is not an available option for top mount with cable infill
(4) 6 $\frac{1}{2}$" Min. for end post with cable infil

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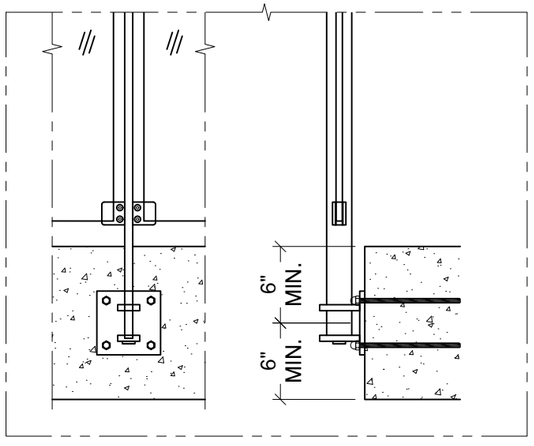
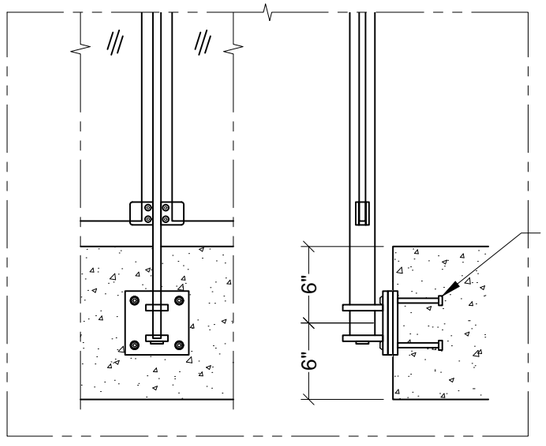
BEACON RAILING SYSTEM

MOUNTING CONDITION, FASCIA MOUNTED POST



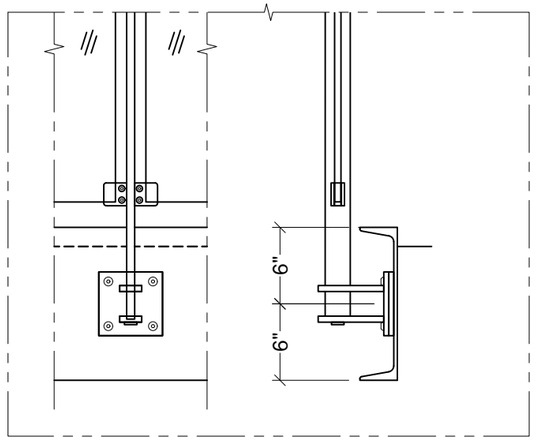
Anchored to Concrete [1] - $$$

Detail# BE-F01 [2]



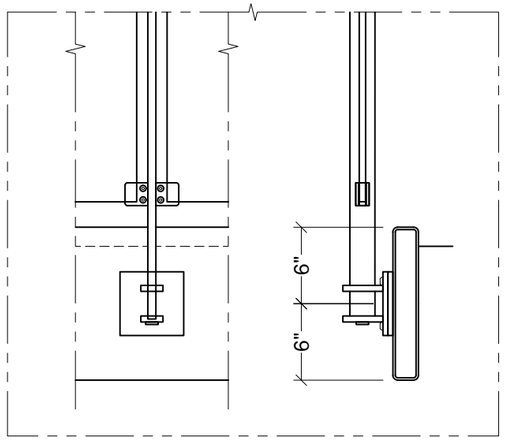
Welded @ Embed Plate - $$

Detail# BE-F02



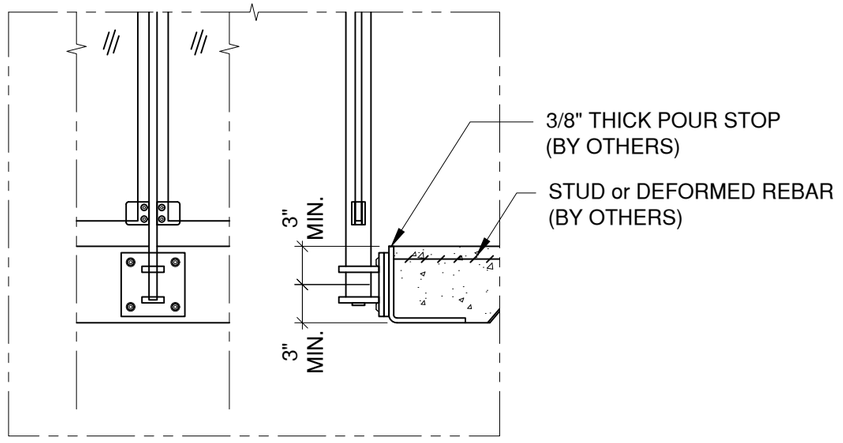
Welded @ Steel Channel - $$

Detail# BE-F03



Welded @ Steel Tube - $$

Detail# BE-F04



Welded @ Pour Stop - $$

Detail# BE-F05

(1) Min. 4000 PSI concrete, Typ.
(2) Anchoring is not a recommended option for cable infill

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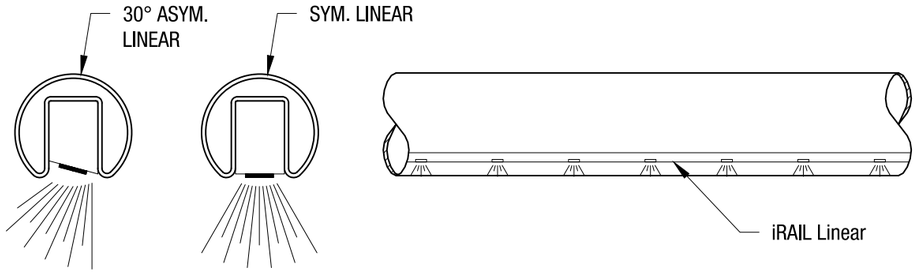
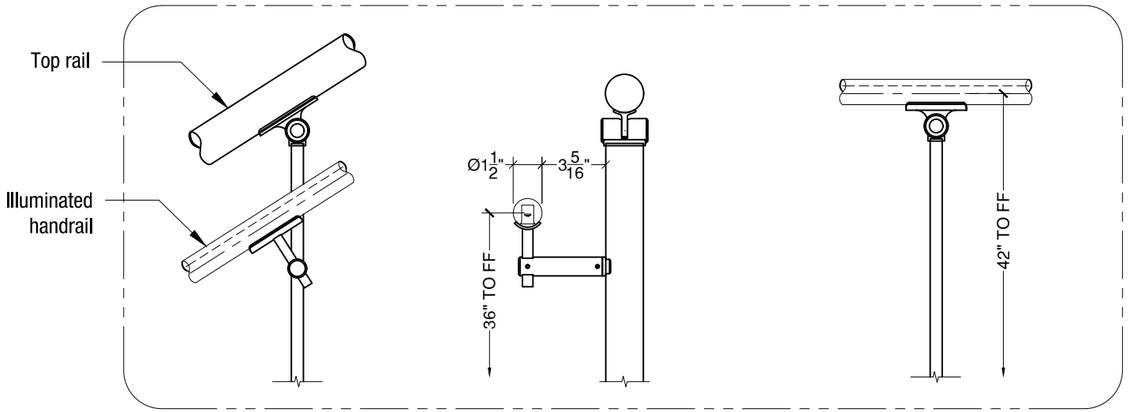
BEACON RAILING SYSTEM

ILLUMINATED RAILING

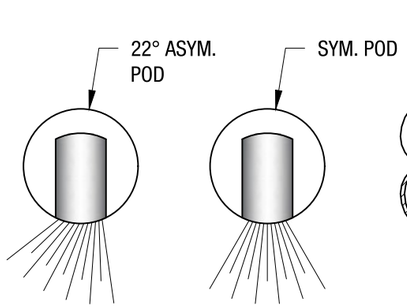


iRAIL LINEAR ORIENTATION OPTIONS

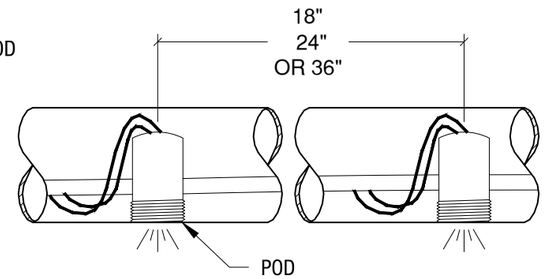


Illuminated
Handrail
Option

Illuminated
Toprail
Option



iRAIL POD ORIENTATION OPTIONS



iRAIL POD SPACING OPTIONS

iRAIL LIGHTED RAILING SYSTEM

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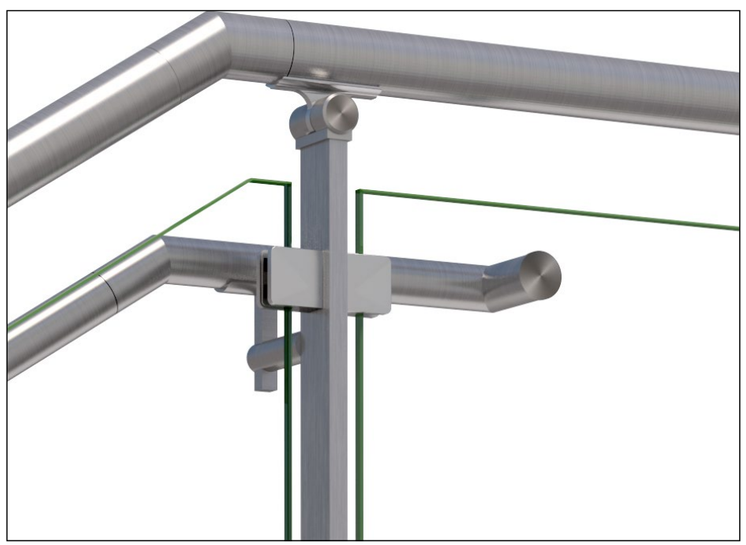
BEACON PERF RAILING SYSTEM

FINISHING OPTIONS

#6 Satin



CeraShield* Ceramic Coating

Enhanced durability and superior protection.
Available in a wide range of colors.
(Replaces traditional powder coat finish options.)

*VIVA Railings now proudly offers CeraShield Ceramic Coating (powered by CERAKOTE Technology) as our premium finishing option, providing enhanced durability and superior protection for interior and exterior applications. While CeraShield offers unparalleled advantages in hardness, corrosion resistance, UV stability, and chemical resistance, we will continue to offer standard Powder Coat finishes to meet a variety of aesthetic preferences.

Powder Coat

Powder coating is an environmentally-friendly option because it doesn't rely on solvents or chemical carriers. Instead, an electrostatic charge holds the paint to the steel, thus eliminating VOC emissions which will help in regards to LEED requirements. In addition, it meets AAMA specifications. Powder coating is durable and scratch resistant so it weathers and retains its original hue better than conventional liquid coatings.*

PDF

POWDER COAT FINISHING OPTIONS
CERASHIELD FINISHING OPTIONS

The digital swatches of our powder coat colors may not accurately represent the actual real-life samples. Factors such as monitor settings, lighting conditions, and individual perception can affect the colors you see on your screen. We suggest using the swatches as a general reference for color, shade, and hue, rather than expecting an exact match. For the most precise color selection, we recommend requesting physical samples or visiting our office in Lewisville, TX to evaluate the powder coat colors in person.

Please note that while we offer a diverse range of standard powder coat colors to complement our products, any selections outside of these standard options may incur additional costs. We encourage you to consult with our specialists to explore all available options and make the best decision for your project needs.

BEACON GLASS RAILING SYSTEM
AMERICAN AIRLINES HEADQUARTERS

AMERICAN AIRLINES HEADQUARTERS - FT. WORTH, TX

General Contractor: StructureTone-Southwest

Architect: Gensler

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BEACON GLASS RAILING SYSTEM
AMERICAN AIRLINES HEADQUARTERS

AMERICAN AIRLINES HEADQUARTERS - FT. WORTH, TX

General Contractor: StructureTone-Southwest

Architect: Gensler

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