

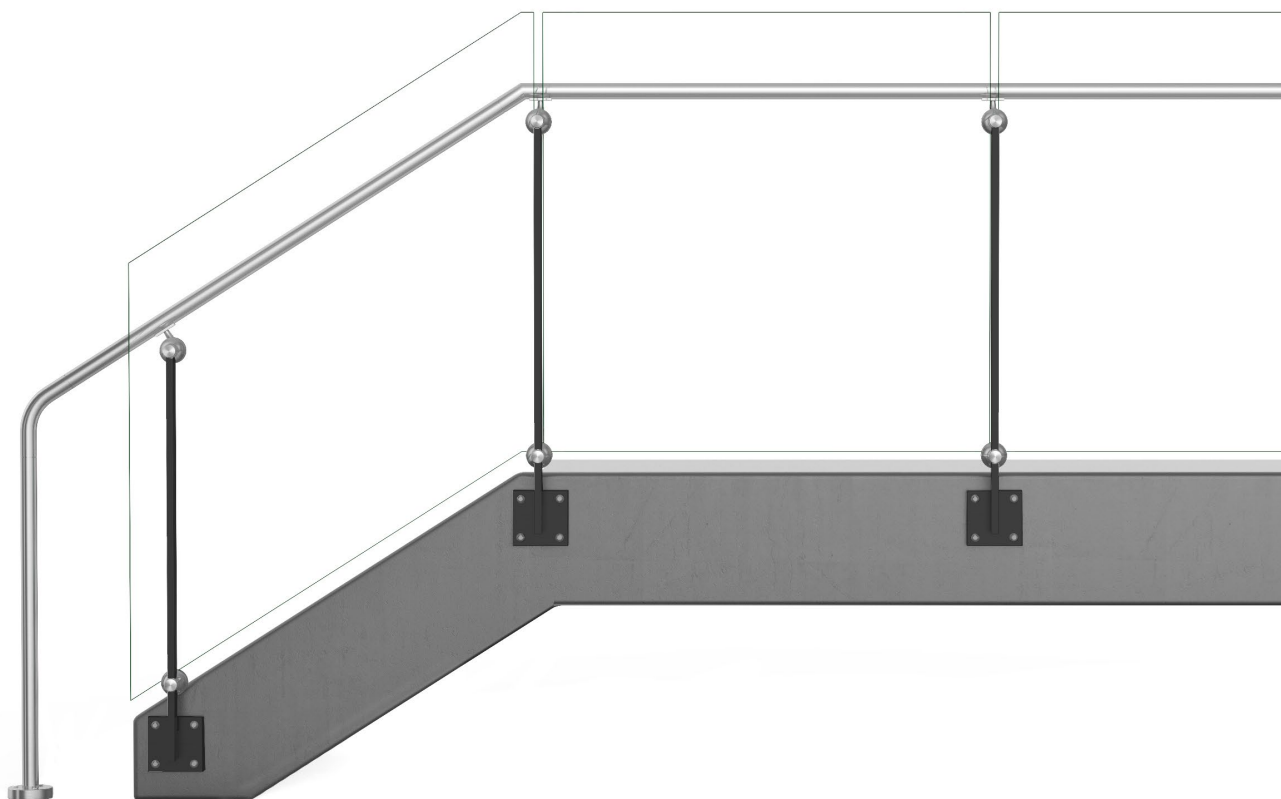
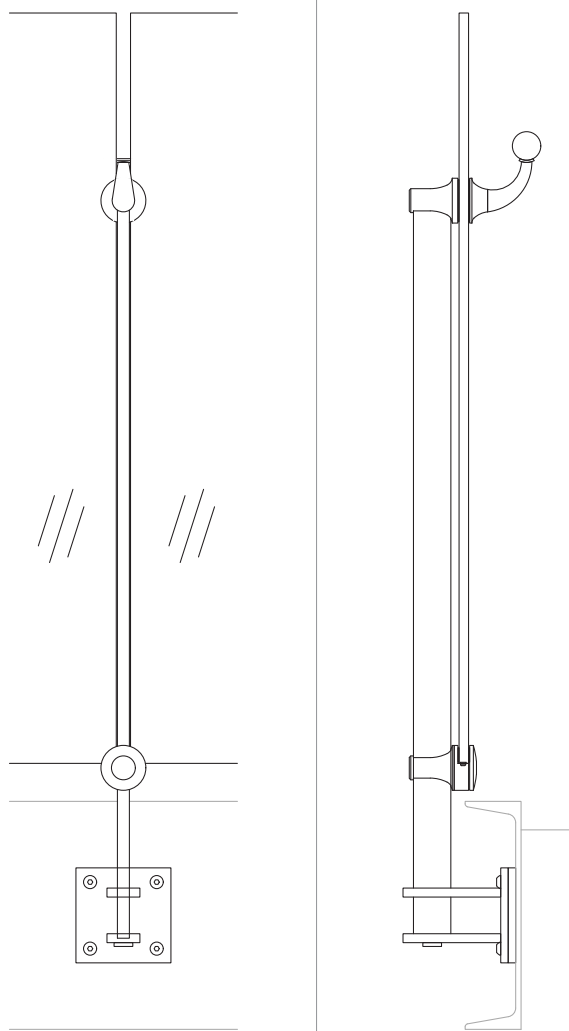
VORTEXTM GLASS

DESIGN + ENGINEER + FABRICATE + INSTALL

VORTEX - AVAILABLE INFILLS

Glass

VORTEX glass panel railing system from offers a sleek and contemporary design that is perfect for modern architectural projects. The system features a minimalist design with a single bar post and a unique funnel or vortex-shaped conical bracket that sits between the glass panels. This bracket serves a dual purpose, supporting the glass panels and providing a sturdy handrail.



VORTEX

PRODUCT DATA

DESIGN + ENGINEER + FABRICATE + INSTALL

	MATERIAL	FINISH	SIZE/SPACING
POST	Stainless Steel (304 or 316)	#6 Satin, #8 Mirror	2" Flat bar @ 5'-0" max. O.C. for glass infill
		ECM	
	Stainless Steel (201)	Powder Coat	
INFILL OPTIONS	Glass with Cone Clamp	Clear, Tinted or Frit	Min. 3/8" laminated glass with PVB or SGP interlayer ¹ Glass standard thickness: 3/8", 1/2" Interlayer standard thickness, SGP: 0.035", 0.06" PVB: 0.035"
TOP RAIL/HAND RAIL	Stainless Steel U-Cap	#6 Satin, Powder Coat	1" Height U-Cap for Glass Top Rail
	Stainless Steel U-Cap with LED ³	#6 Satin	Ø1-1/2" with LED LINEAR, Ø1-1/2" or Ø2" with LED POD
	Stainless Steel Tube	#6 Satin, Powder Coat	Ø1-1/2" or Ø2" for Hand Rail
			Ø2" or 2"x1" Rectangular tube for Top Rail
	Stainless Steel Tube with LED	#6 Satin	Ø1-1/2" with LED LINEAR, Ø1-1/2" or Ø2" with LED POD
	Wood (Red Oak, Cherry or Maple) ²	Unstained	Ø2"
	Wood (Red Oak, Cherry or Maple) with LED	Unstained	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.

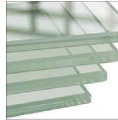
³ Other species available upon request.

VORTEX GLASS INFILL

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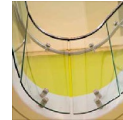
AVAILABLE GLASS TYPES:



Clear Monolithic



Clear Laminated (PVB or SGP)



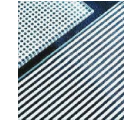
Bent



Tinted



Satin Etched



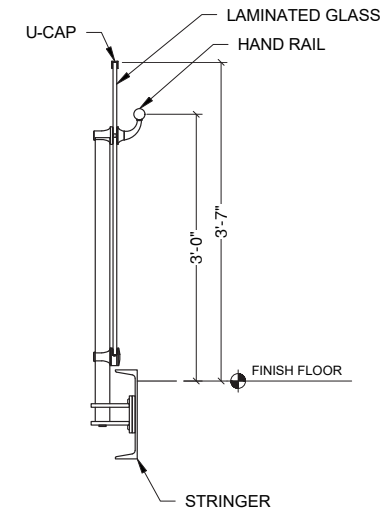
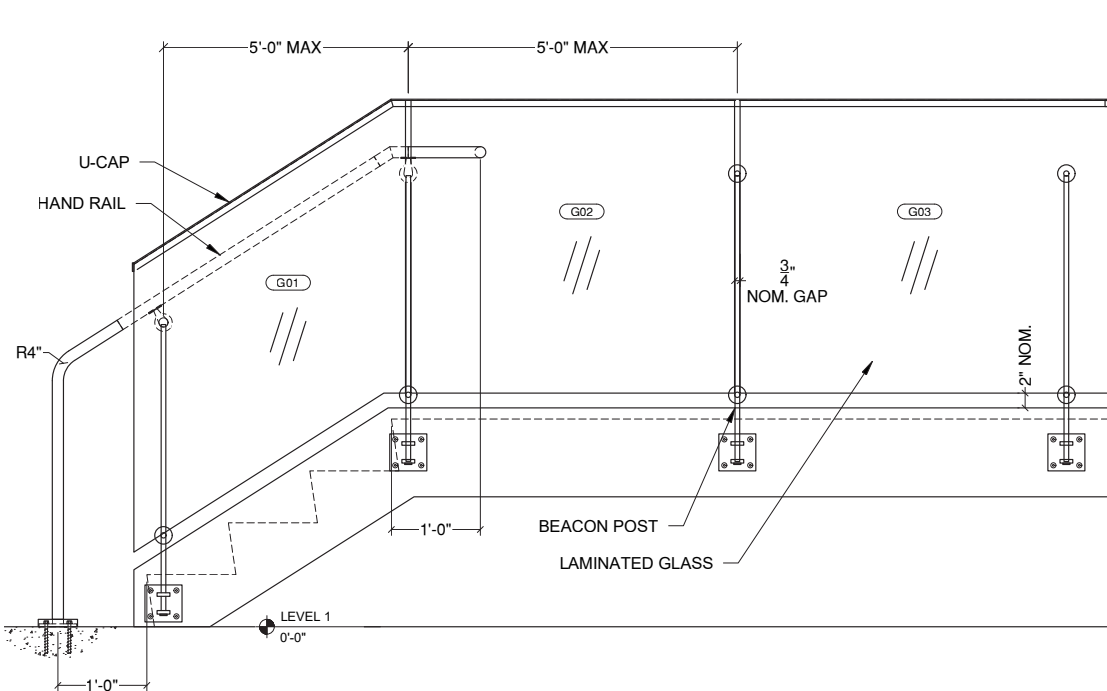
Ceramic Frit



Colored Laminate (PVB only)

CONE TYPE OPTIONS

CODE	POST	FITTING
BC-1	Stainless Steel, Satin	Stainless Steel Cone
BC-2	Stainless Steel, ECM	ECM Cone
BC-3	Powder Coated	Stainless Steel, Satin Cone

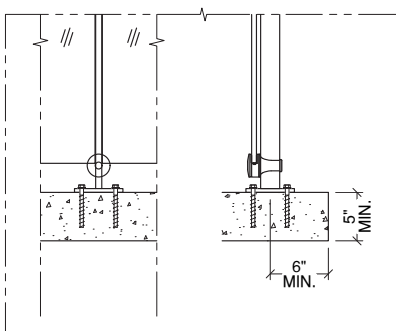


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VORTEX MOUNTING CONDITION

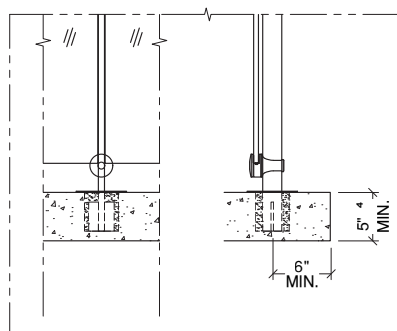
TOP MOUNTED POST

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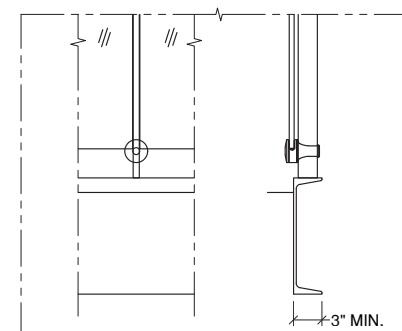
Anchored to Concrete ¹ - \$ ²

Detail# BE-T01 ³



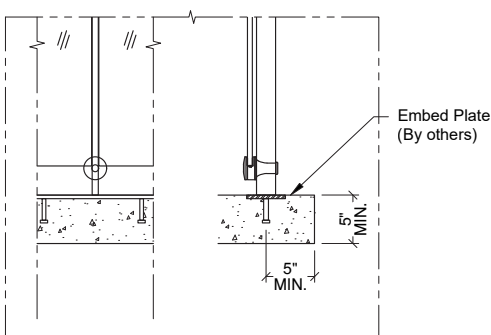
Cored into Concrete - \$\$

Detail# BE-T02



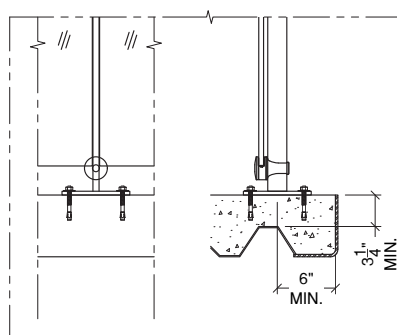
Welded @ Steel Channel - \$

Detail# BE-T03



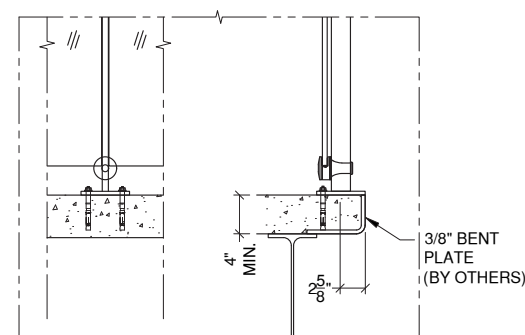
Welded @ Embed Plate - \$

Detail# BE-T04



Anchored to Concrete Slab on Deck - \$\$

Detail# BE-T05



Anchored to Concrete
Welded to Steel Plate - \$

Detail# BE-T06

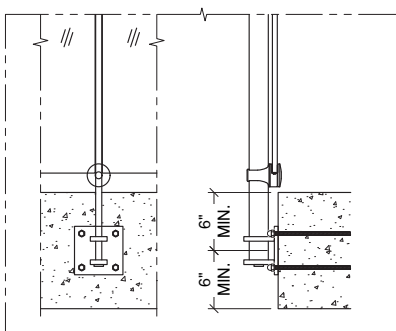
- (1) Min. 4000 PSI concrete, Typ.
(2) \$ to \$\$\$: Indicates mounting type comparative cost
(3) Anchoring is not an available option for top mount with cable infill
(4) 6 1/2" Min. for end post with cable infill

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VORTEX

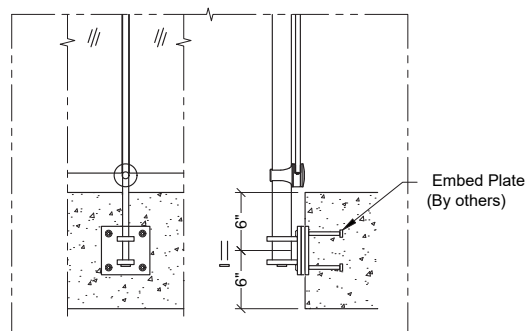
MOUNTING CONDITION FASCIA MOUNTED POST

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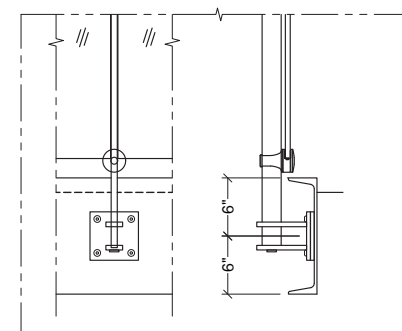
Anchored to Concrete ¹ - \$\$\$

Detail# BE-F01 ²



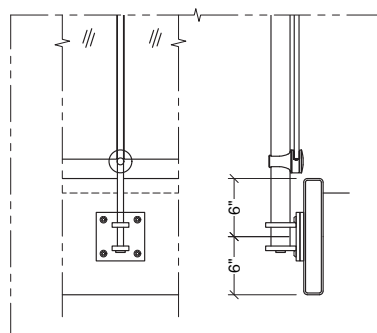
Welded @ Embed Plate - \$\$

Detail# BE-F02



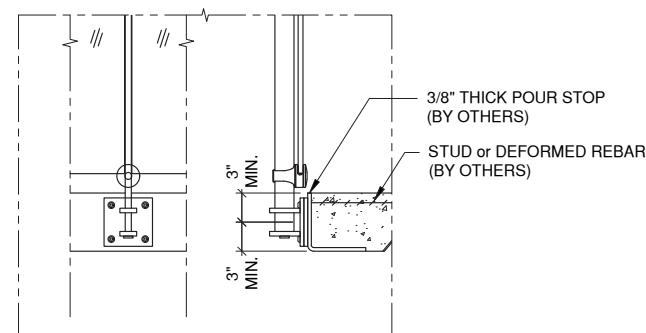
Welded @ Steel Channel - \$\$

Detail# BE-F03



Welded @ Steel Tube - \$\$

Detail# BE-F04



Welded @ Pour Stop - \$\$

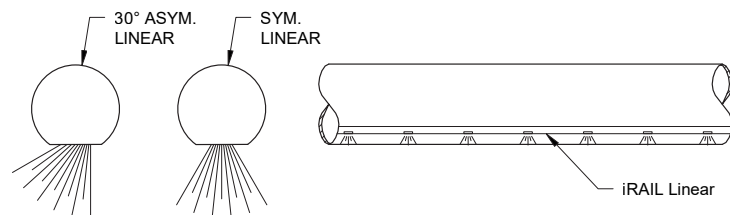
Detail# BE-F05

(1) Min. 4000 PSI concrete, Typ.

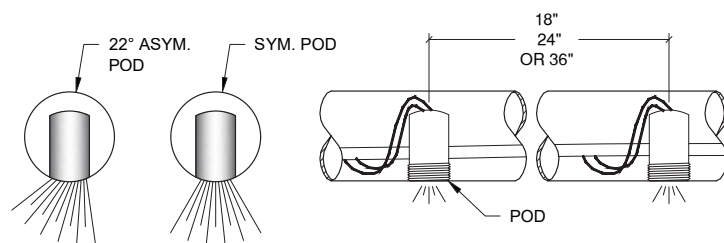
(2) Anchoring is not a recommended option for cable infill

VORTEX ILLUMINATED RAILING OPTIONS

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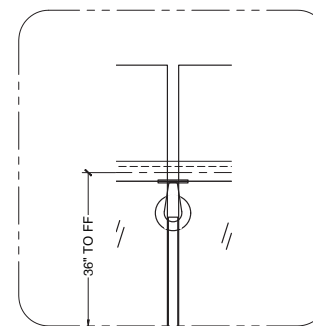


iRAIL LINEAR ORIENTATION
OPTIONS



iRAIL POD ORIENTATION
OPTIONS

iRAIL POD SPACING
OPTIONS



Illuminated
Handrail
Option

For more info: vivarailings.com/lighted-rail-systems

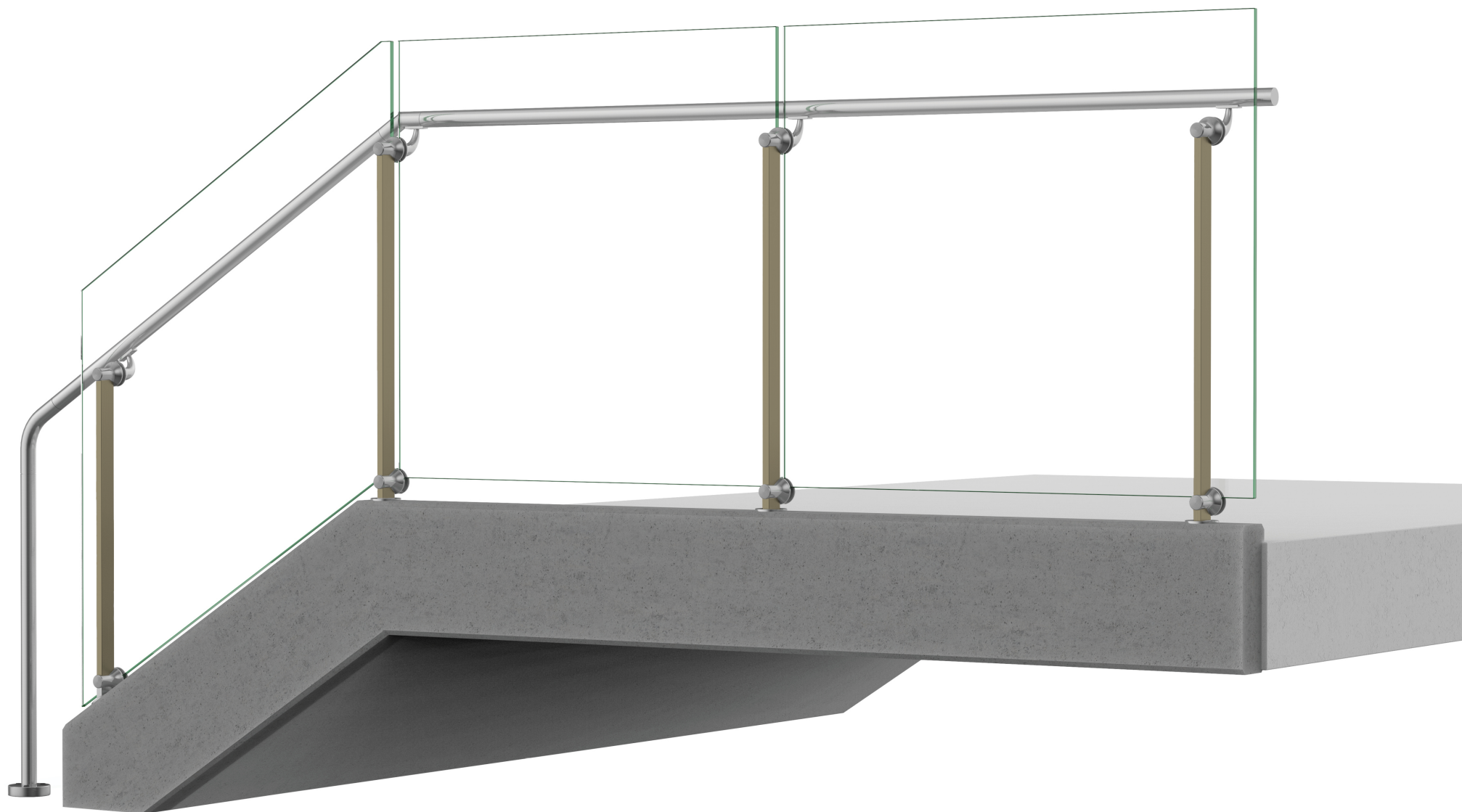
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POST RAILING SYSTEM

VORTEX GLASS



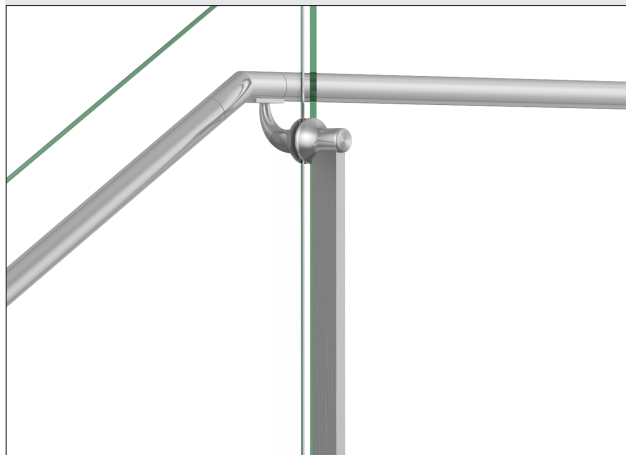
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VORTEX FINISHING OPTIONS

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#6 SATIN - #8 MIRROR

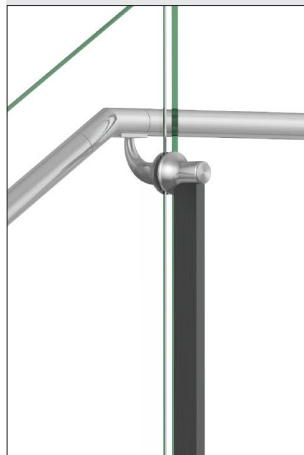


#6 Satin is a silver-white finish with relatively short linear directional polishing lines. This finish is quite common with SS architectural applications. It is a two-step abrasive polish finish with the equivalent of a 240 grit abrasive.

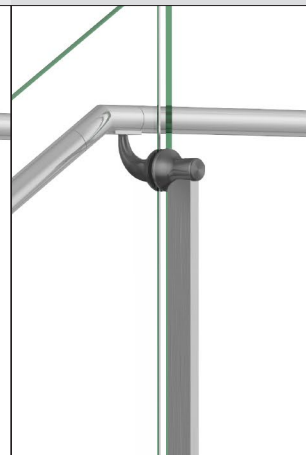
#8 Mirror is the most reflective finish covered by ASTM Standards. Produced in a similar way as the #6 finish with further buffing. The grit lines are much less visible than the #6 finish but can be seen upon close inspection. The final product is a mirror-like finish.

***#8 Mirror Finish comes at an additional cost to our #6 Finish.**

ECM + SS TYPE A



ECM + SS TYPE B



ECM is a new finish offered by VIVA Railings and can be applied to nearly all of our modular railing systems. This method of electroplated coating offers an environmentally friendly process that includes an even better abrasion and weather resistance to our already durable stainless steel railing systems.

ECM offers a low maintenance, high durability and one of the best corrosion resistant materials available.

POWDER COAT



Powder coating is a dry film process, using finely ground particles of pigment and resin which are electrostatically charged and sprayed onto electrically grounded parts. Designed to withstand extreme temperatures, powder-coating protects against rust and staining, making it a weather-resistant finish for our stainless steel and aluminum railings.

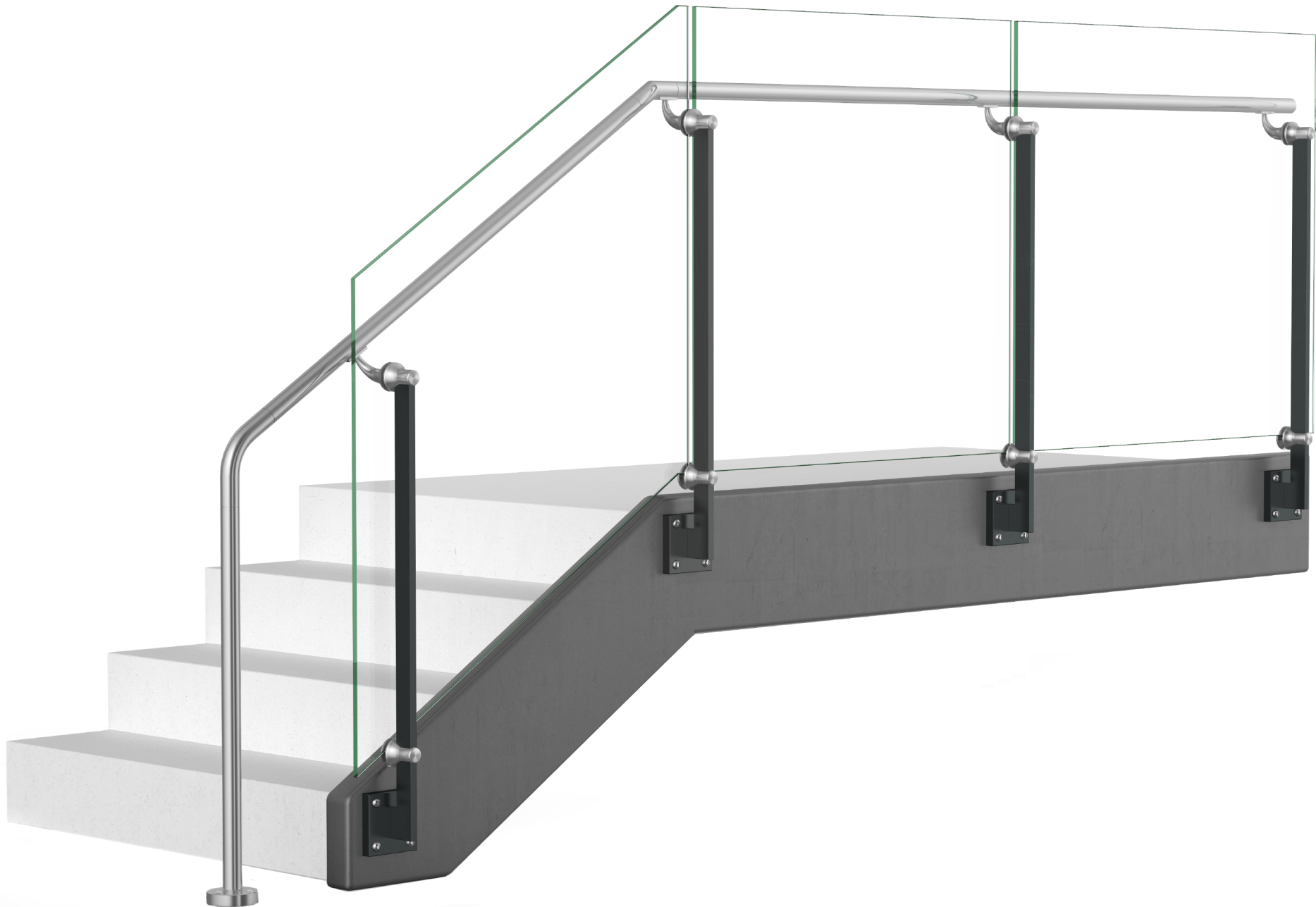
It helps in regards to LEED requirements and in addition, it meets AAMA specifications.

POST RAILING SYSTEM

VORTEX GLASS



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POST RAILING SYSTEM

VORTEX



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VORTEX RAILING SYSTEM | INFILL: TEMPERED GLASS

VIVA RAILINGS HEADQUARTERS - LEWISVILLE, TX

POST FINISH: ECM-20 SATIN BLACKENED

