



SHOE - AVAILABLE INFILLS

Glass

SHOE™ GLASS RAILING SYSTEM PRODUCT DATA



VIVA RAILINGS
LEADERS IN ARCHITECTURAL RAILING SYSTEMS

DESIGN • ENGINEER • FABRICATE • INSTALL



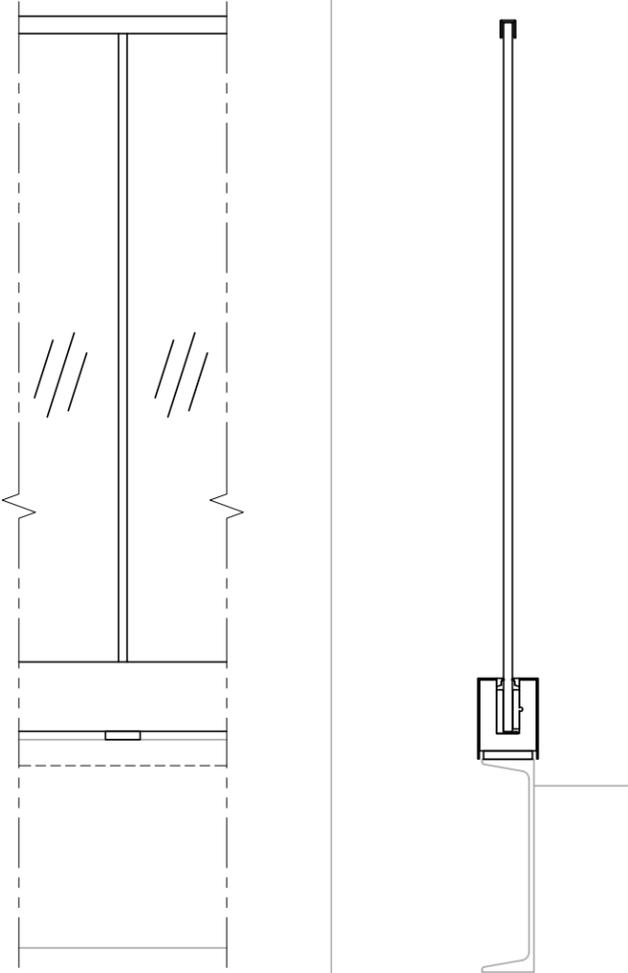
SHOE™ GLASS RAILING SYSTEM

Our ICC-ES 4405 Certified SHOE™ Structural Glass Railing System is an aluminum glass railing system with a patented compression set (US Patent No. 9127474) aluminum base shoe system.

ESR-4405 - ICC Evaluation Service, LLC (ICC-ES)

SHOE - AVAILABLE INFILLS

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Other mounting options available.



SHOE™ GLASS SYSTEM - TECHNICAL DATA

| | MATERIAL | FINISH | SIZE/SPACING |
|------------------|--|--|--|
| BASE | Aluminum SHOE | Mill | 3.25"x4" SHOE base, 5'-0" max. O.C. glass infill. Fascia or Top mount. |
| CLADDING | Aluminum - \$ ⁶ | Powder Coat / CeraShield / #6 Satin SS Anodized | 4.5"x1" Cladding for SHOE only. |
| | Stainless Steel - \$\$ | #6 Satin / CeraShield | |
| INFILL | Glass | Clear, Digitally Printed, Tinted, Colored Interlayer | 1/2" to 1" Laminated Tempered Glass ¹ PVB or SGP ⁴ interlayer. |
| TOP RAIL | Stainless Steel U-Cap | #6 Satin / CeraShield | 1" Height U-Cap |
| | Stainless Steel U-Cap with LED ² | | 1" Height U-Cap with LED LINEAR |
| | Stainless Steel Tube with LED | | Ø1-1/2" tube with LED LINEAR |
| HAND RAIL | Stainless Steel Tube | #6 Satin / CeraShield | Ø1-1/2" or Ø2" tube |
| | Stainless Steel Tube with LED | | Ø1-1/2" with LED linear, Ø1-1/2" or Ø2" with LED Pod |
| | Wood (Red Oak, Cherry or Maple) ³ | Unstained | Ø2" for Hand Rail |
| | Wood (Red Oak, Cherry or Maple) with LED | | Ø2" with LED LINEAR |



1. Thickness and interlayer type typically to be determined based on engineering requirements.
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. Viva Railings recommends using SGP for external applications.
5. CeraShield: Ceramic Coating, Enhanced durability and superior protection. Available in a wide range of colors. (Replaces traditional powder coat finish options.)
6. \$ to \$\$\$: Indicates finish type comparative cost.



CERTIFIED FOR

- International Building Code (IBC 2024)
- California Building Code (CBC 2019-2022) OSHPD, DSA
- Florida Building Code – Building (FBC 2020) includes Wind Borne Debris Regions & High-Velocity Hurricane Zone (HVHZ)



GLASS



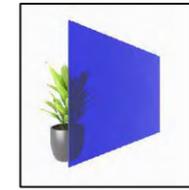
AVAILABLE GLASS TYPES



Clear Laminated
(PVB or SGP)



Tinted



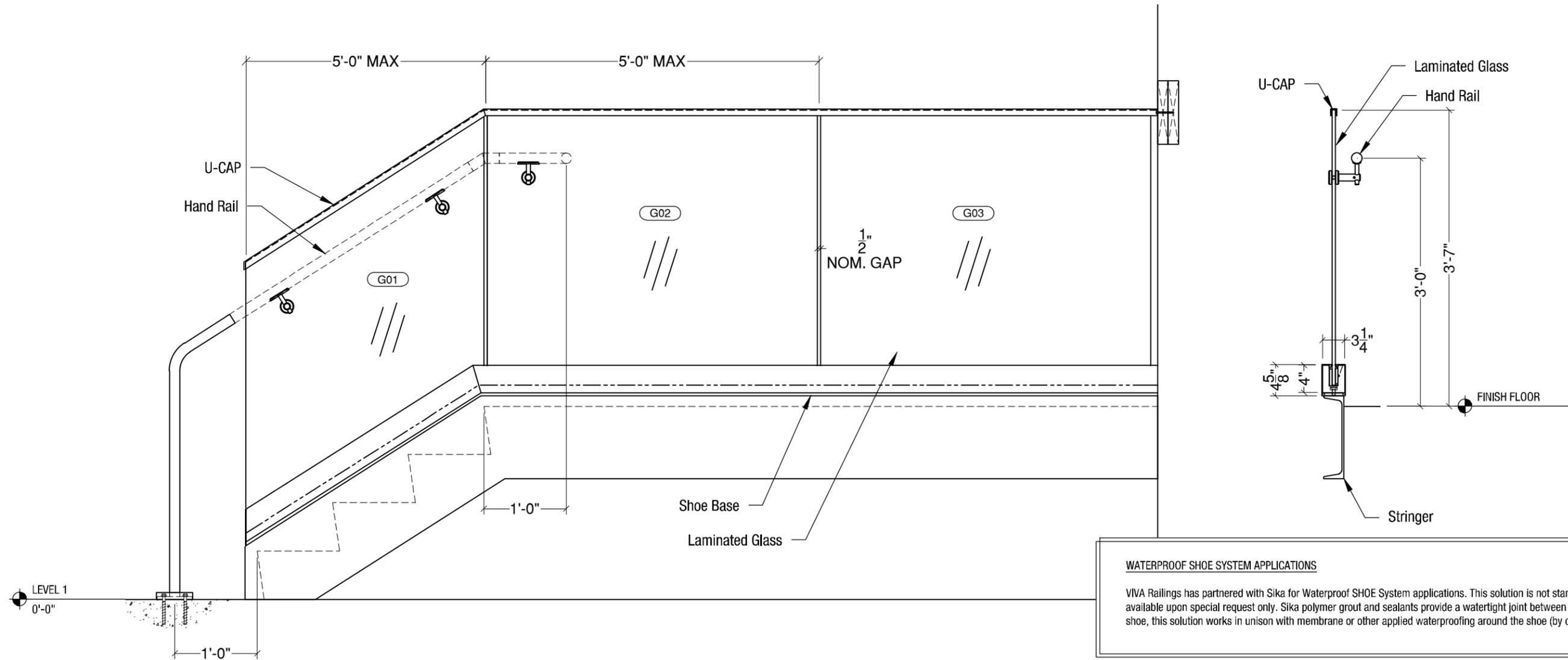
Colored Interlayer



Frosted



Ceramic Frit

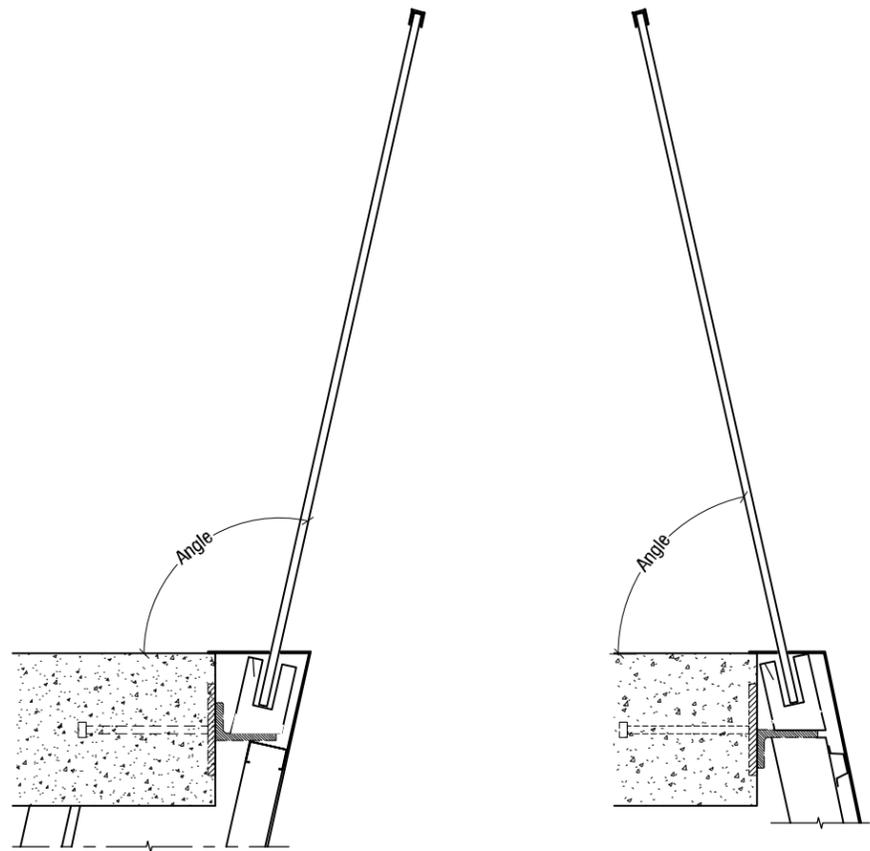


WATERPROOF SHOE SYSTEM APPLICATIONS

VIVA Railings has partnered with Sika for Waterproof SHOE System applications. This solution is not standard and available upon special request only. Sika polymer grout and sealants provide a watertight joint between glass and shoe, this solution works in unison with membrane or other applied waterproofing around the shoe (by others).

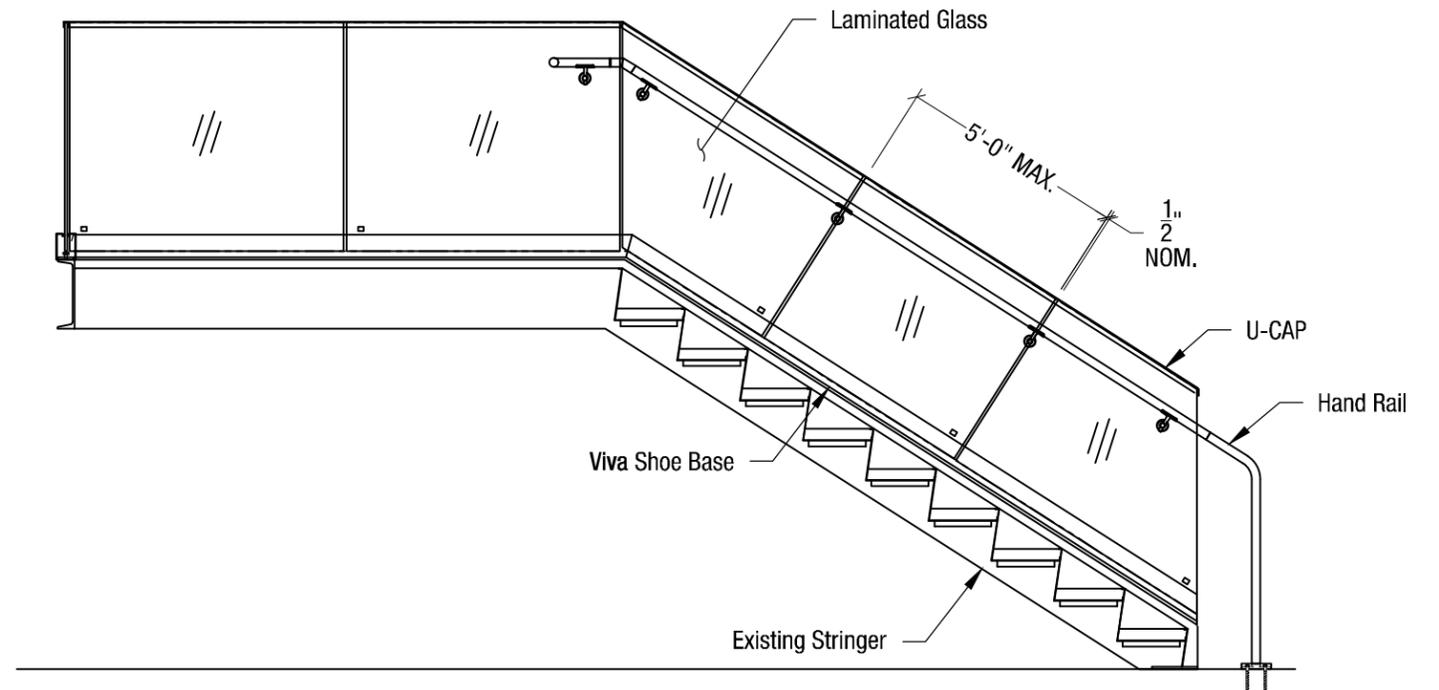


ORIENTATION OPTIONS



Obtuse Angle Tilt Shoe

Acute Angle Tilt

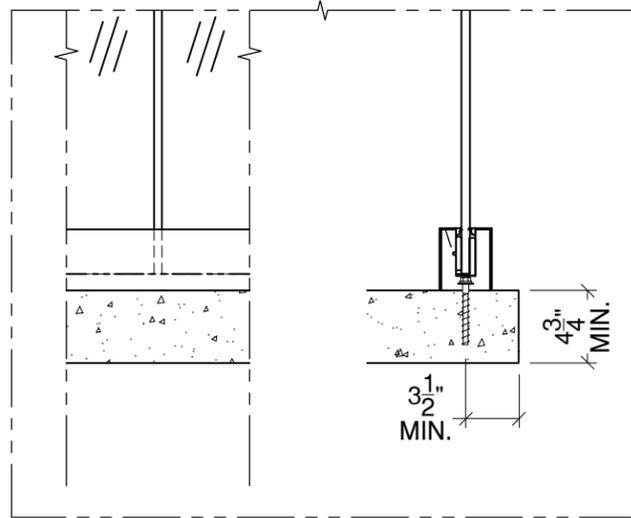


Perpendicular Panels at Stair

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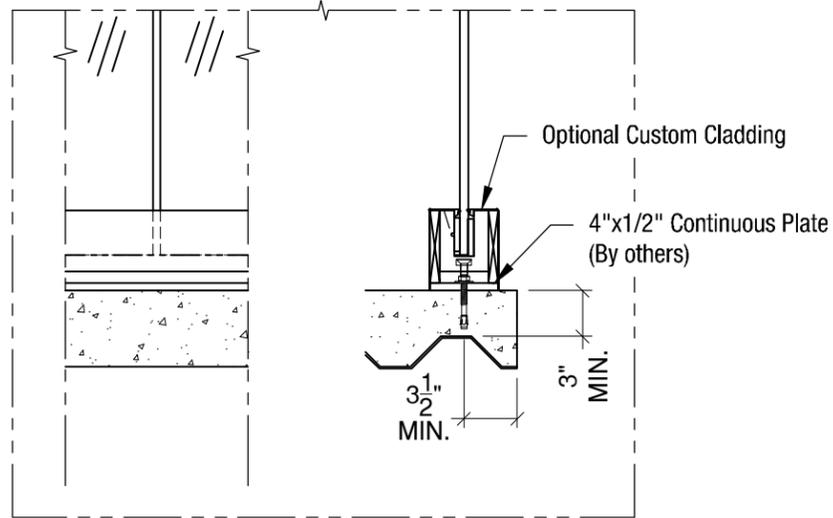


MOUNTING CONDITION, TOP MOUNTED POST



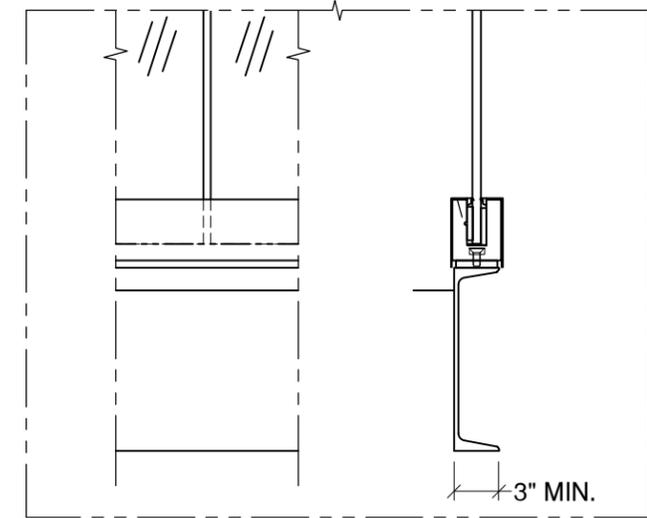
Anchored to Concrete ¹ - \$ ²

Detail# SH-T01 ³



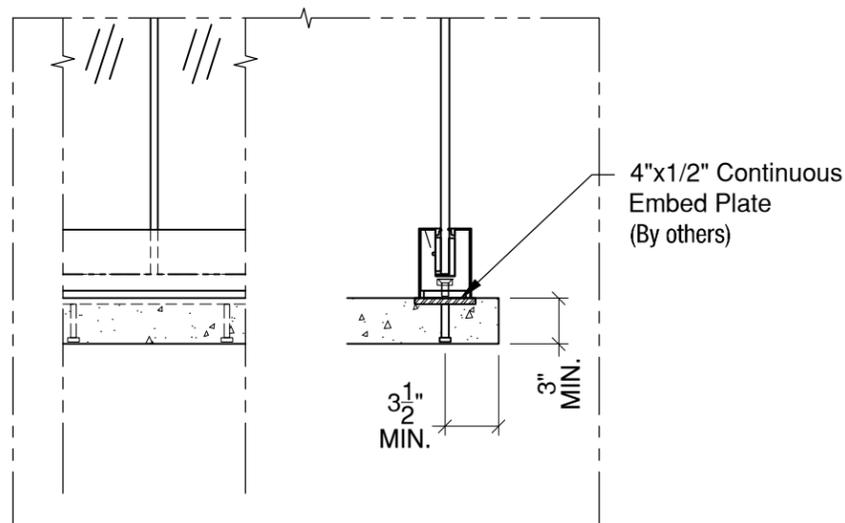
Anchored to Concrete Slab on Deck - \$\$\$

Detail# SH-T02



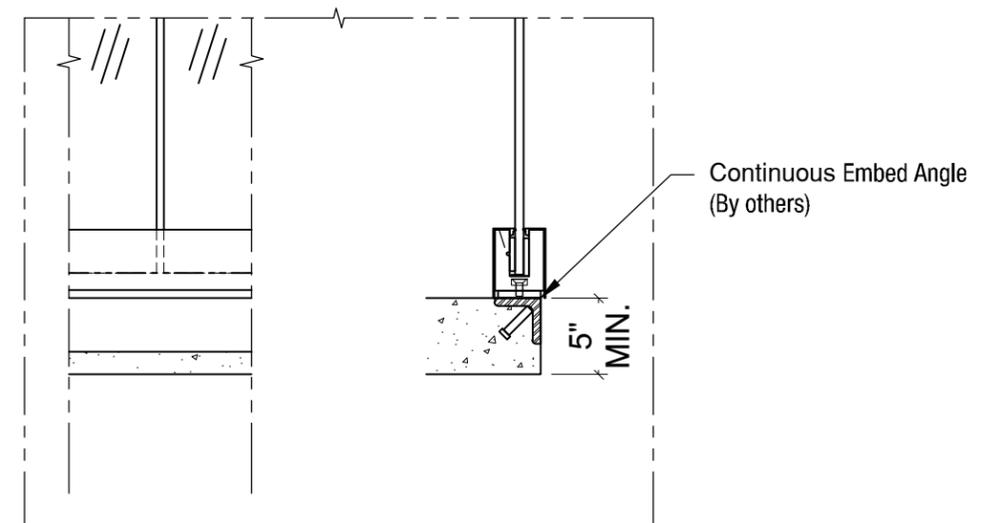
Welded @ Steel Channel - \$

Detail# SH-T03



Welded @ Embed Plate - \$

Detail# SH-T04



Welded @ Embed Angle - \$\$\$

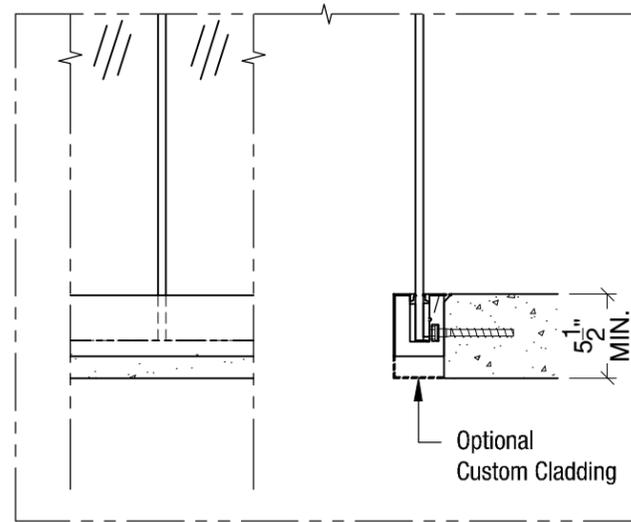
Detail# SH-T05

(1) Min. 4000 PSI concrete, Typ.

(2) \$ to \$\$\$: Indicates mounting type comparative cost

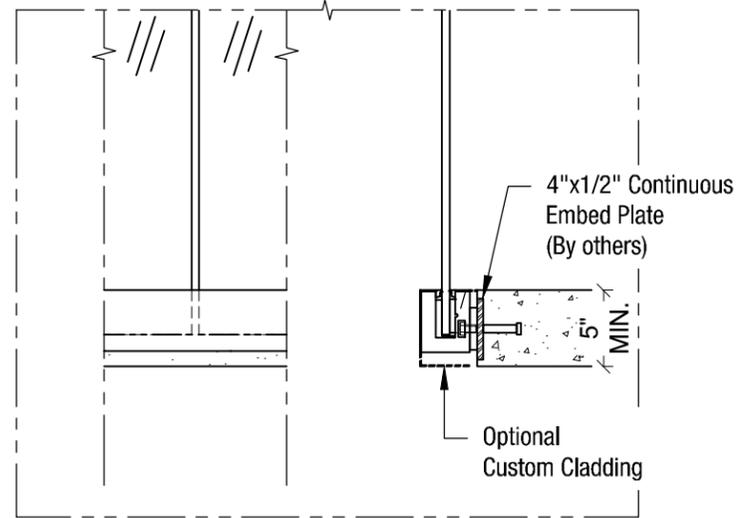


MOUNTING CONDITION, FASCIA MOUNTED POST



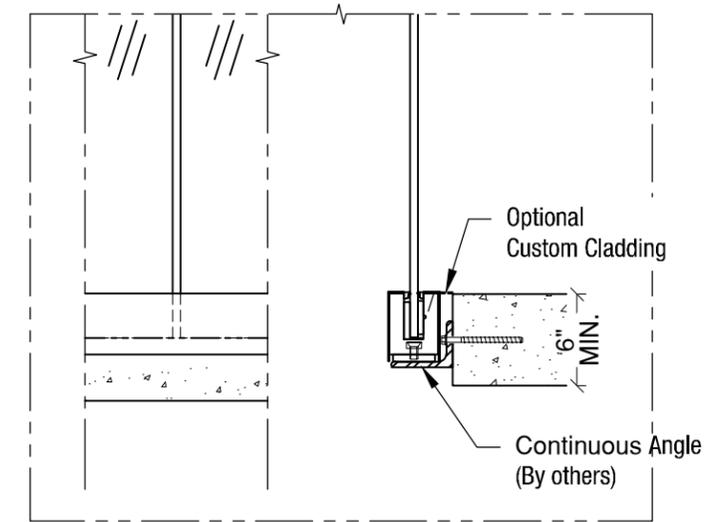
Anchored to Concrete ¹ - \$\$\$

Detail# SH-F01



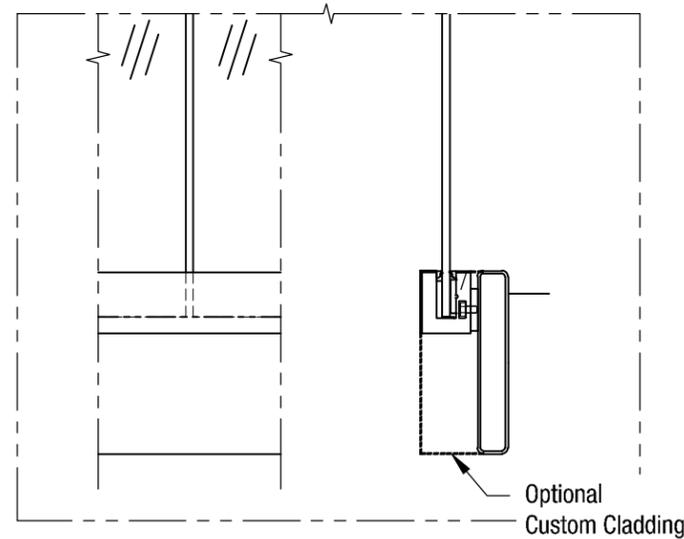
Welded @ Embed Plate - \$\$

Detail# SH-F02



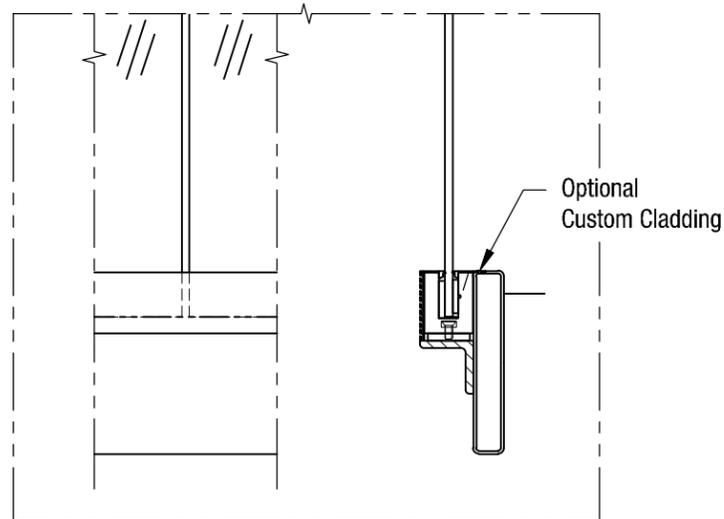
Welded @ Steel Angle Anchored @ Concrete - \$\$

Detail# SH-F03



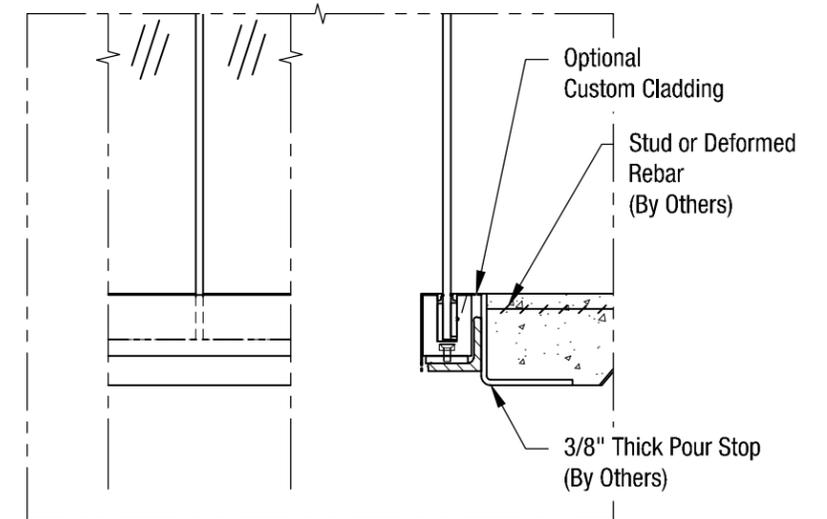
Welded @ Steel Tube - \$\$

Detail# SH-F04



Welded @ Steel Angle Welded @ Steel Tube - \$\$

Detail# SH-F05



Welded @ Steel Angle - \$\$

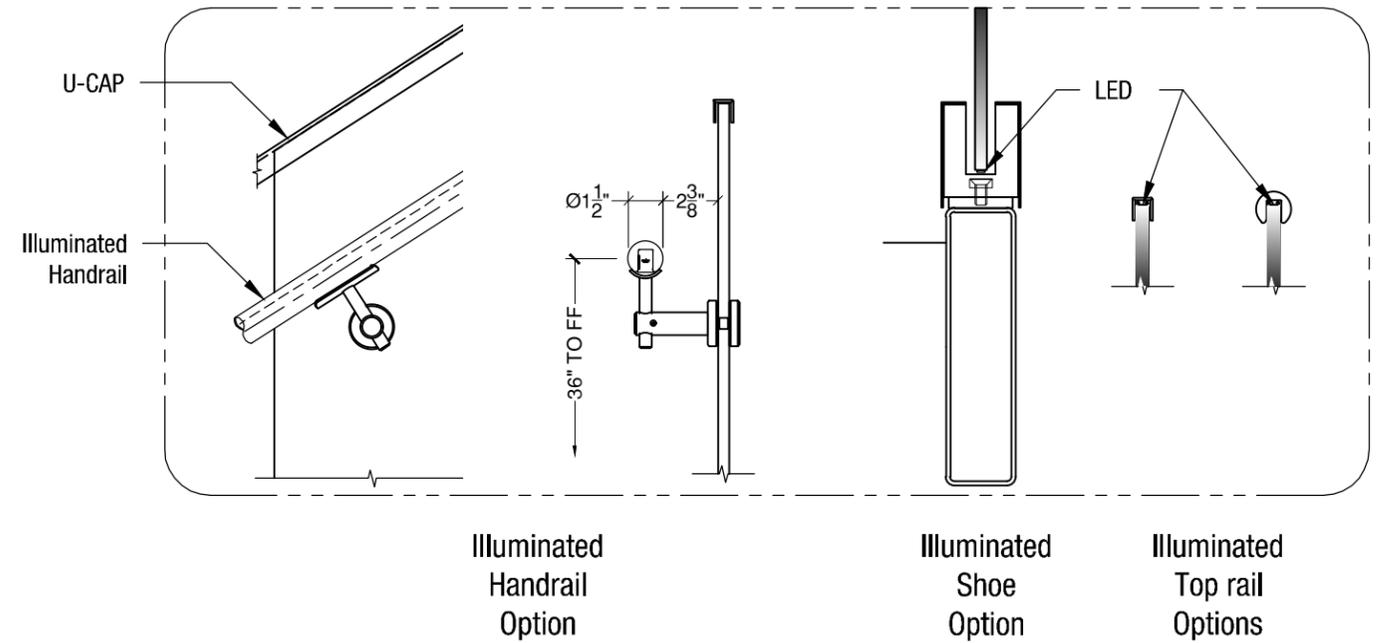
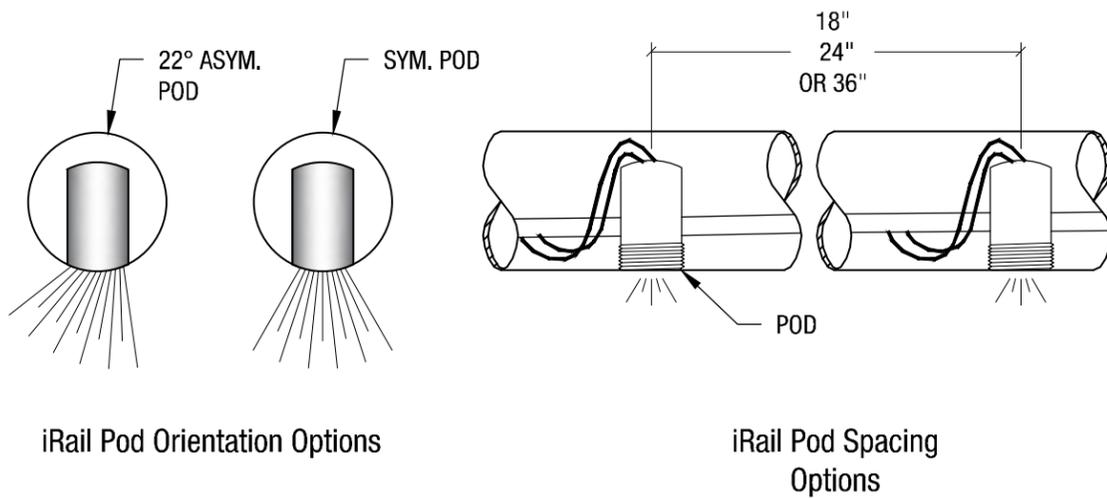
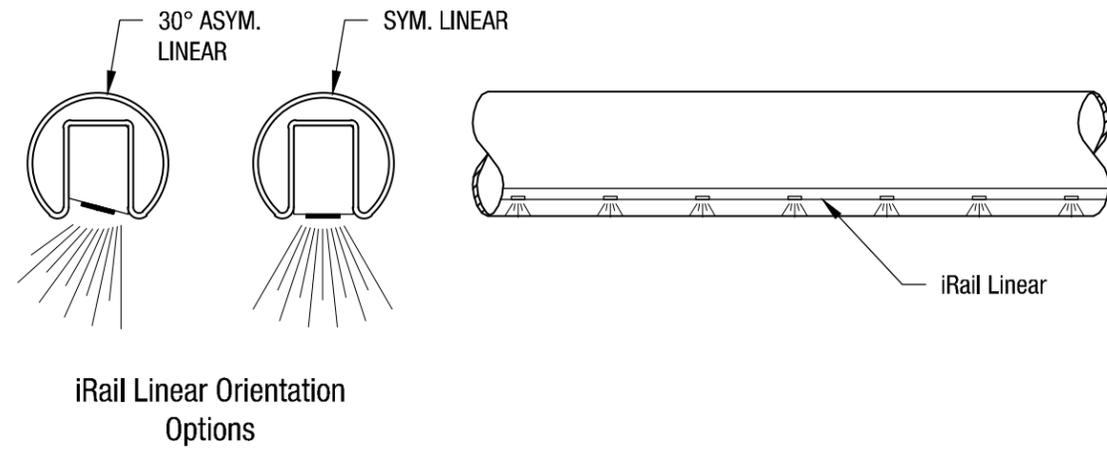
Detail# SH-F07

(1) Min. 4000 PSI concrete, Typ.

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ILLUMINATED RAILING



iRAIL LIGHTED RAILING SYSTEM



SHOE GLASS RAILING SYSTEM



FINISHING OPTIONS

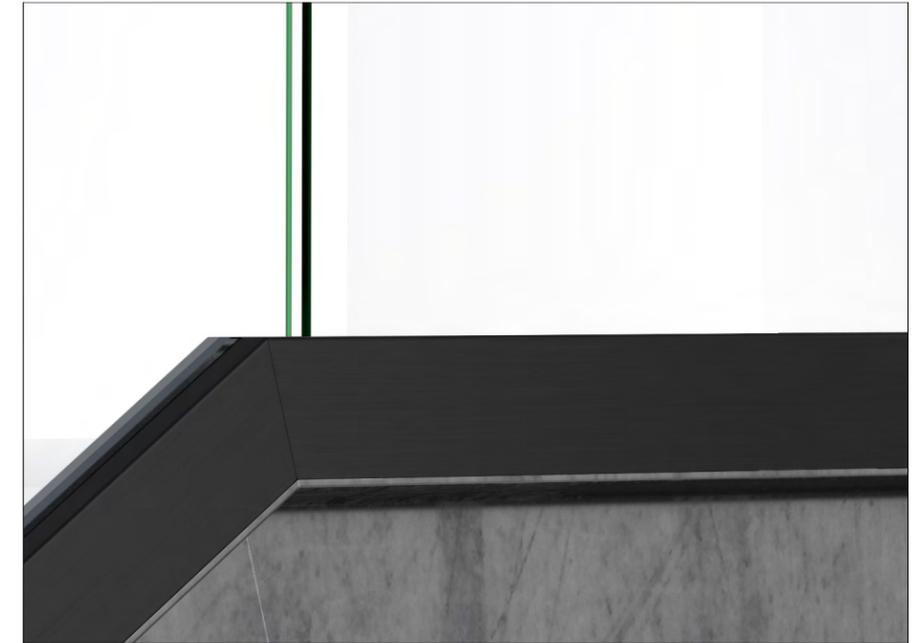
#6 Satin



CeraShield* Ceramic Coating



Powder Coat*



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 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.*

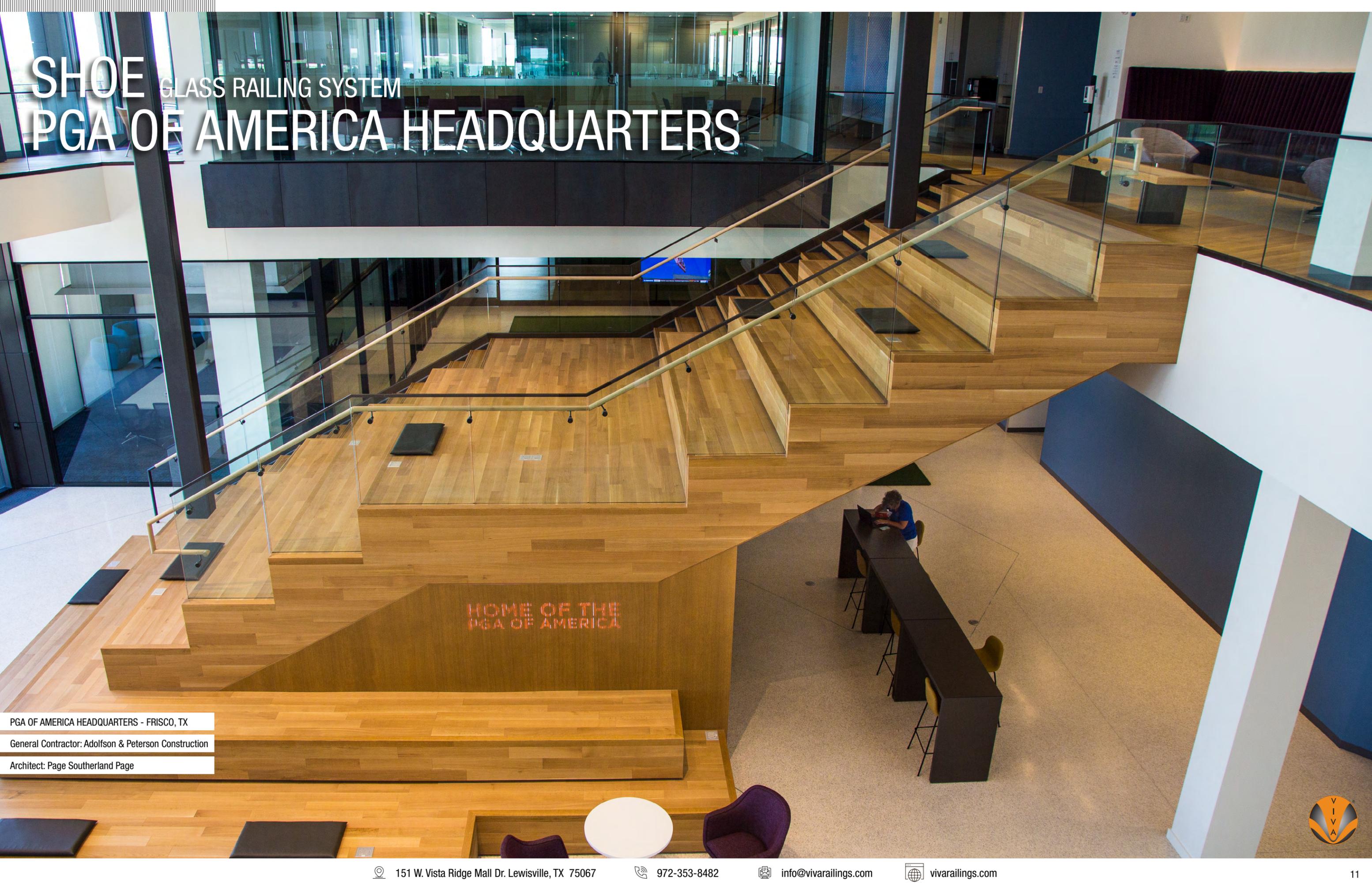


[CERASHIELD FINISHING OPTIONS](#)

[POWDER COAT FINISHING OPTIONS](#)



SHOE GLASS RAILING SYSTEM PGA OF AMERICA HEADQUARTERS



HOME OF THE
PGA OF AMERICA

PGA OF AMERICA HEADQUARTERS - FRISCO, TX
General Contractor: Adolfsen & Peterson Construction
Architect: Page Southerland Page



SHOE GLASS RAILING SYSTEM HALL ARTS HOTEL



HALL ARTS HOTEL - DALLAS, TX
General Contractor: Austin Commercial
Architect: HKS



SHOE GLASS RAILING SYSTEM UNIV. OF HOUSTON LAW CENTER

UNIVERSITY OF HOUSTON LAW CENTER - HOUSTON, TX
General Contractor: Austin Commercial
Architect: Shepley Bulfinch Richardson & Abbott, Inc



SHOE GLASS RAILING SYSTEM SMU FRANCES ANNE MOODY HALL

SMU FRANCES ANNE MOODY HALL - DALLAS, TX
General Contractor: Beck Group
Architect: Smithgroup, Inc.



SHOE GLASS RAILING SYSTEM CSU WATER RESOURCES CENTER

CSU WATER RESOURCES CENTER - FT. COLLINS, CO
General Contractor: ISEC
Architect: Hord Coplan Macht





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SHOE™
Structural Glass Railing System



LEED
Material & Resources Credits 4.1 and 4.2



The American Institute of Architects



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