

SHOETM GLASS

DESIGN + ENGINEER + FABRICATE + INSTALL

SHOE - AVAILABLE INFILLS

GLASS

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. SHOE Glass Railing is perfect for commercial interior or exterior, balcony railing or stair railing applications. In addition, this architectural railing solution provides a fall protection system without the use of an unsightly barrier.



SHOE PRODUCT DATA

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	MATERIAL	FINISH	SIZE/SPACING
BASE	Aluminum SHOE with cladding option	#6 Satin	2.75"x4" SHOE base, 5'-0" max. O.C. glass infill. Fascia or Top mount.
		Powder Coat	
INFILL OPTIONS	Glass	Clear, Tinted or Frit	Min. 1/2" SGP laminated glass ¹ or Min. 5/8" PVB laminated glass
TOP RAIL	Stainless Steel U-Cap	#6 Satin, Powder Coat	1" Height U-Cap
	Stainless Steel U-Cap with LED ²	#6 Satin	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, Powder Coat	Ø1-1/2" or Ø2" tube
	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) ³	Unstained	Ø2"
	Wood (Red Oak, Cherry or Maple) with LED		Ø2" with LED LINEAR



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.



Continuous Compression DrySet

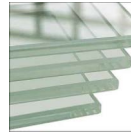
U.S. PATENT NO. 9127474

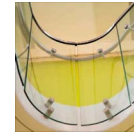

 INTERNATIONAL
 CODE
 COUNCIL®

SHOE GLASS INFILL

DESIGN + ENGINEER + FABRICATE + INSTALL


AVAILABLE GLASS TYPES:

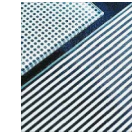

 Clear
Monolithic

 Clear Laminated
(PVB or SGP)


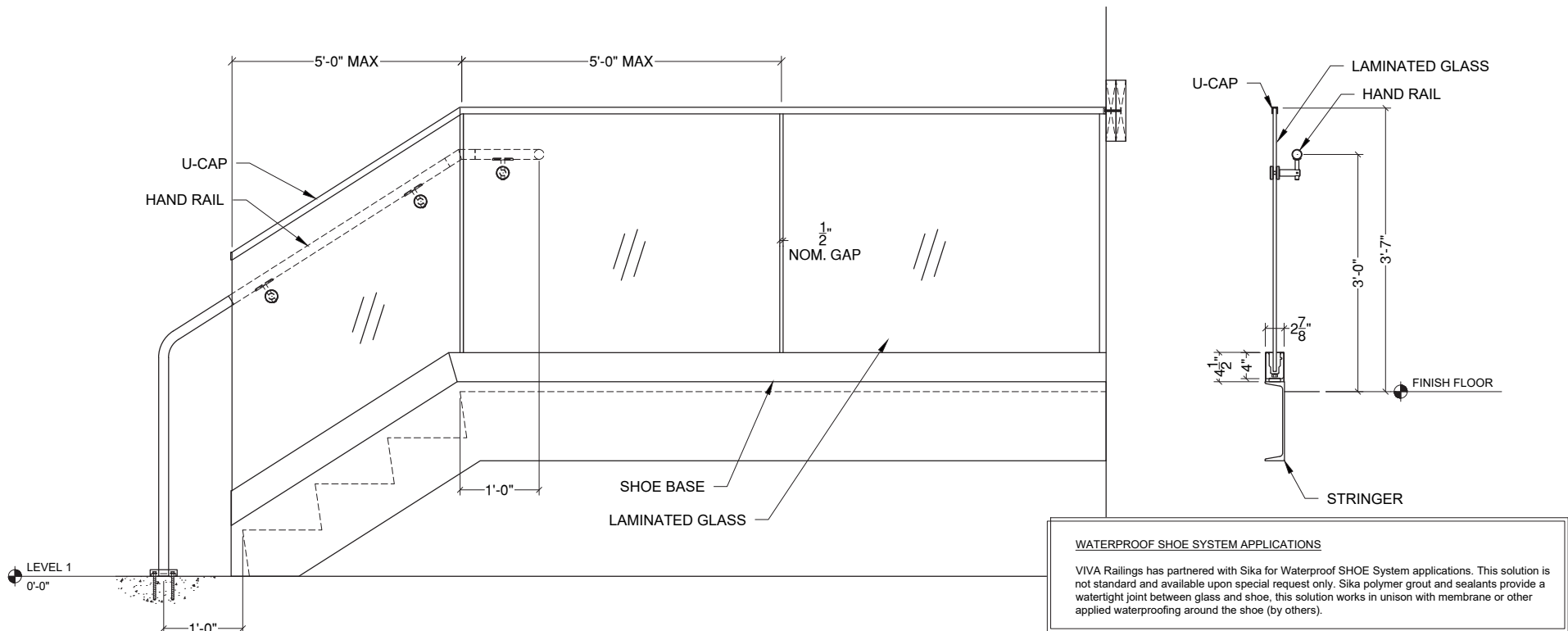
Bent



Tinted


 Satin
Etched


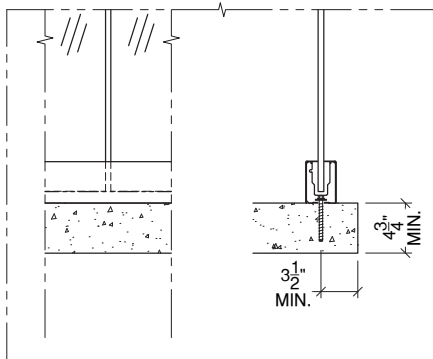
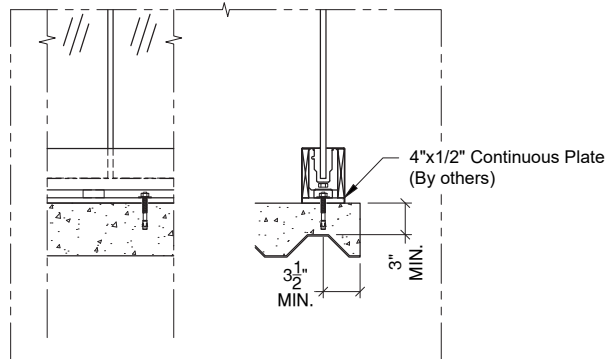
Ceramic Frit


 Colored Laminated
(PVB only)


VIVA RAILINGS IS NOT RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF ANY BUILDING SYSTEMS OR OTHER MATERIALS NOT FURNISHED BY VIVA RAILINGS. VIVA RAILINGS HAS NO WAY OF KNOWING AND SPECIFICALLY DISCLAIMS WHETHER OR NOT THE BUILDING SYSTEMS TO WHICH VIVA RAILINGS' PRODUCTS ARE TO BE ATTACHED ARE STRUCTURALLY SOUND OR DESIGNED TO PROPERLY SUPPORT VIVA RAILINGS'S MATERIALS. ANY SUCH DESIGN RESPONSIBILITY BELONGS TO OTHERS FOR WHOM VIVA RAILINGS IS NOT RESPONSIBLE. THESE DRAWINGS ARE INTENDED FOR THE SOLE USE OF VIVA RAILINGS' CUSTOMER AND THEIR AGENTS FOR THE INSTALLATION OF PRODUCTS FURNISHED BY VIVA RAILINGS. VIVA RAILINGS REMAINS THE SOLE OWNER OF ALL DESIGNS AND INTELLECTUAL PROPERTY CONTAINED WITHIN. REPRODUCTION AND USE OF THESE DESIGNS FOR ANY OTHER PURPOSE IS FORBIDDEN. SCALES ARE PROVIDED FOR REFERENCE ONLY. FOR PRODUCT INFORMATION AND TECHNICAL SUPPORT, PLEASE CONTACT VIVA RAILINGS.

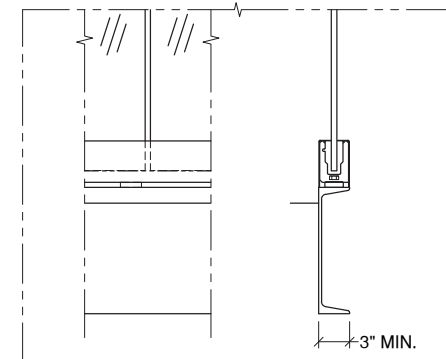
SHOE MOUNTING CONDITION

TOP MOUNTED POST

DESIGN + ENGINEER + FABRICATE + INSTALL
Anchored to Concrete ¹ - \$ ²Detail# SH-T01 ³

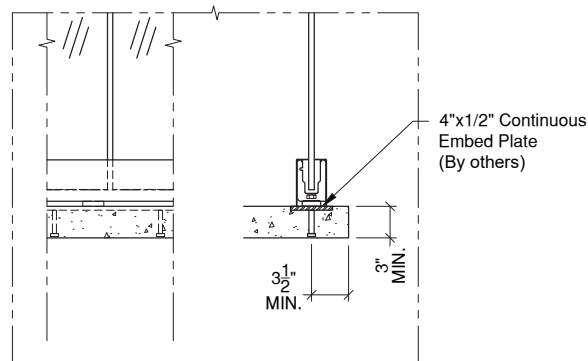
Anchored to Concrete Slab on Deck - \$\$\$

Detail# SH-T02



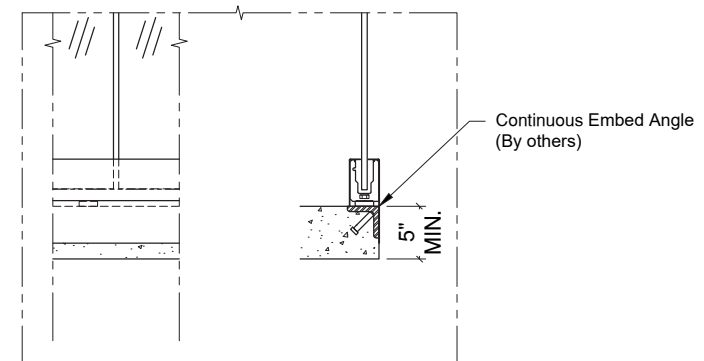
Welded @ Steel Channel - \$

Detail# SH-T03



Welded @ Embed Plate - \$

Detail# SH-T04



Welded @ Embed Angle - \$\$\$

Detail# SH-T05

(1) Min. 4000 PSI concrete, Typ.

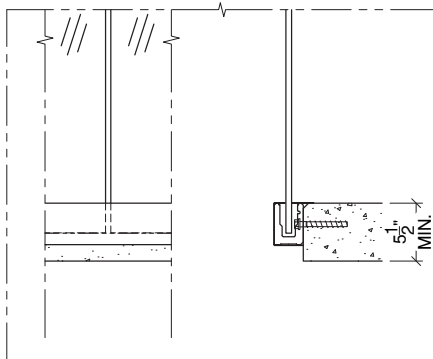
(2) \$ to \$\$\$: Indicates mounting type comparative cost

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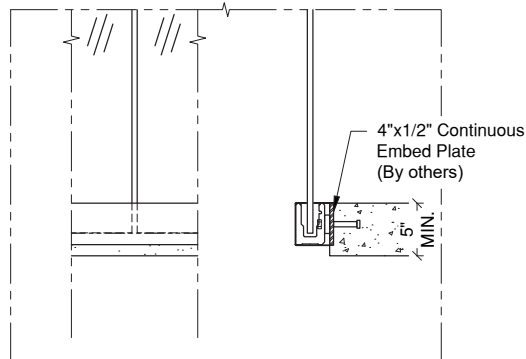
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SHOE MOUNTING CONDITION

FASCIA MOUNTED POST

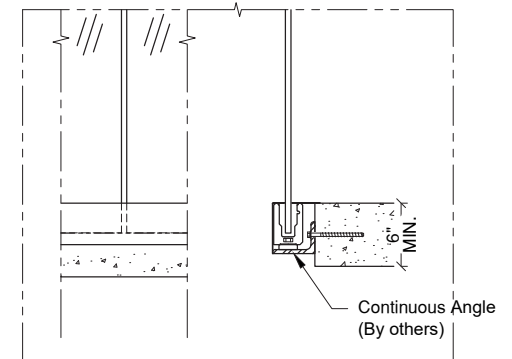
DESIGN + ENGINEER + FABRICATE + INSTALL
Anchored to Concrete ¹ - \$\$\$

Detail# SH-F01

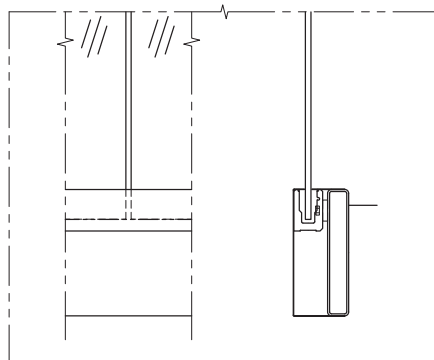


Welded @ Embed Plate - \$\$

Detail# SH-F02

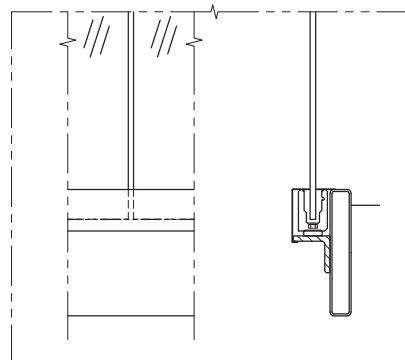
Welded @ Steel Angle
Anchored @ Concrete - \$\$

Detail# SH-F03

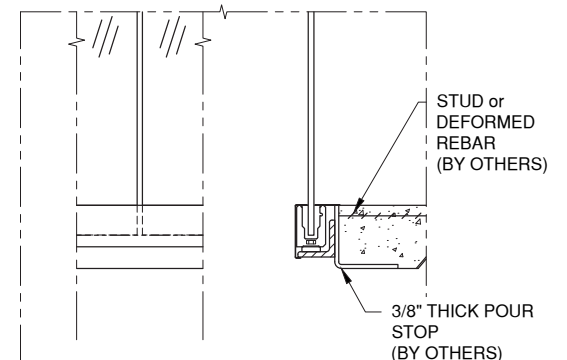


Welded @ Steel Tube - \$\$

Detail# SH-F04

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

Detail# SH-F05



Welded @ Steel Angle - \$\$

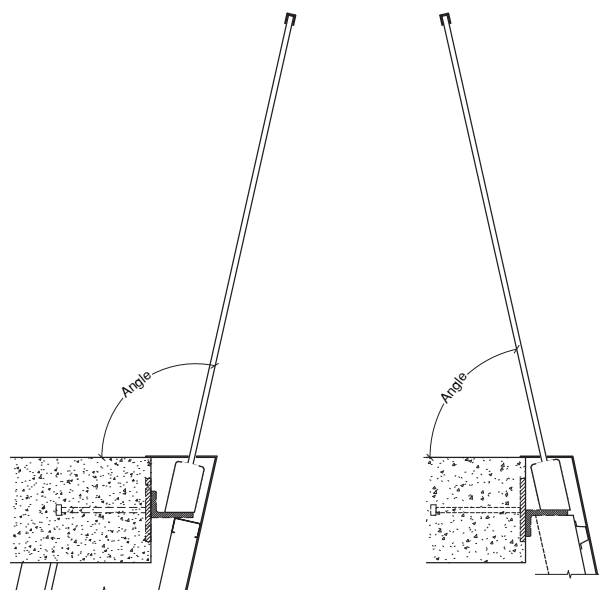
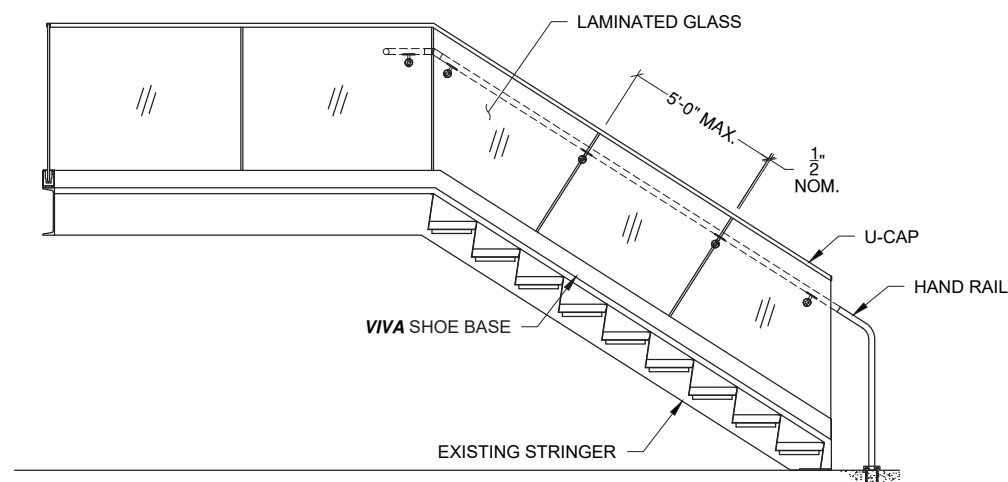
Detail# SH-F07

(1) Min. 4000 PSI concrete, Typ.

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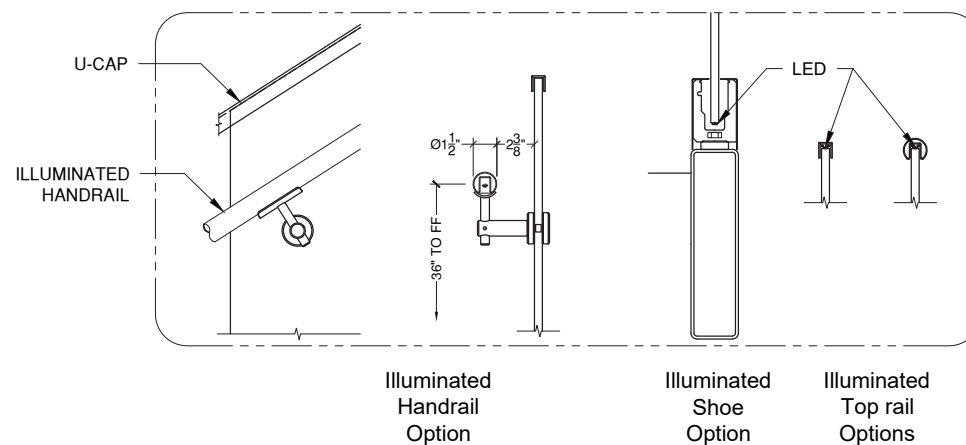
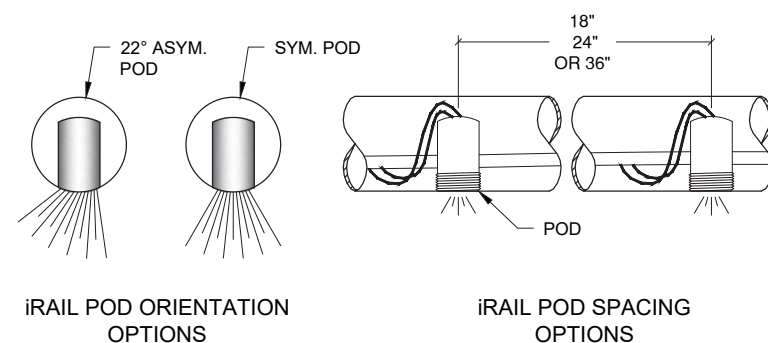
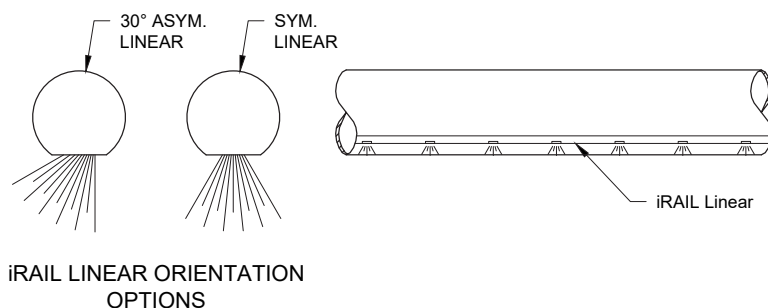
SHOE MOUNTING CONDITION

POCKET MOUNTED

DESIGN + ENGINEER + FABRICATE + INSTALL

Obtuse Angle Tilt Shoe
Acute Angle Tilt

Perpendicular Panels at Stair

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SHOE ILLUMINATED RAILING OPTIONS

DESIGN + ENGINEER + FABRICATE + INSTALL


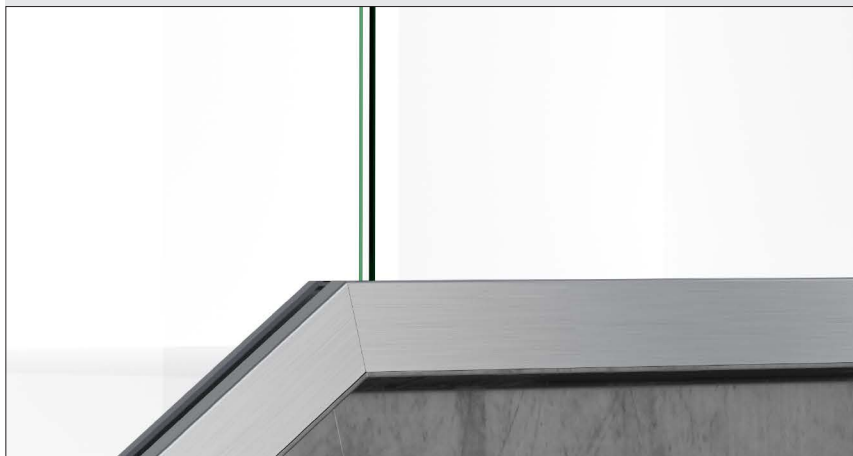
For more info: vivarailings.com/lighted-rail-systems

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SHOE FINISHING OPTIONS

DESIGN + ENGINEER + FABRICATE + INSTALL

#6 SATIN



#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.

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.

STRUCTURAL GLASS RAILING SYSTEM

SHOE GLASS



DESIGN + ENGINEER + FABRICATE + INSTALL



SHOE GLASS

DESIGN + ENGINEER + FABRICATE + INSTALL



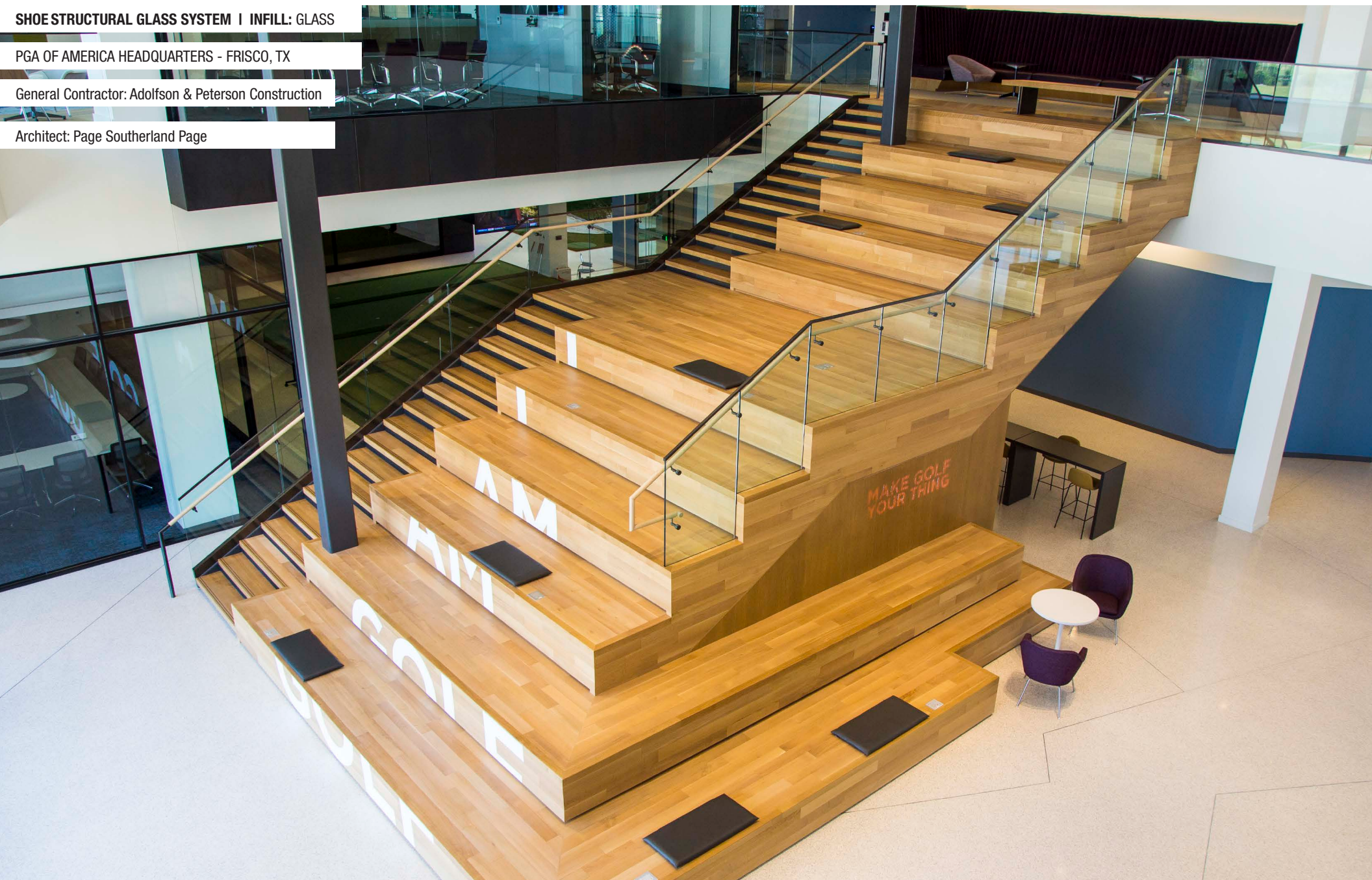
SHOE

SHOE STRUCTURAL GLASS SYSTEM | INFILL: GLASS

PGA OF AMERICA HEADQUARTERS - FRISCO, TX

General Contractor: Adolfson & Peterson Construction

Architect: Page Southerland Page



SHOE

SHOE STRUCTURAL GLASS SYSTEM | INFILL: GLASS

UNIVERSITY OF HOUSTON LAW CENTER - HOUSTON, TX

General Contractor: Austin Commercial

Architect: Shepley Bulfinch Richardson & Abbott Inc

