SHOE - AVAILABLE INFILLS

Glass

SHOE™ GLASS RAILING SYSTEM PRODUCT DATA

VIVA RAILINGS®

LEADERS IN ARCHITECTURAL RAILING SYSTEMS

DESIGN • ENGINEER • FABRICATE • INSTALL

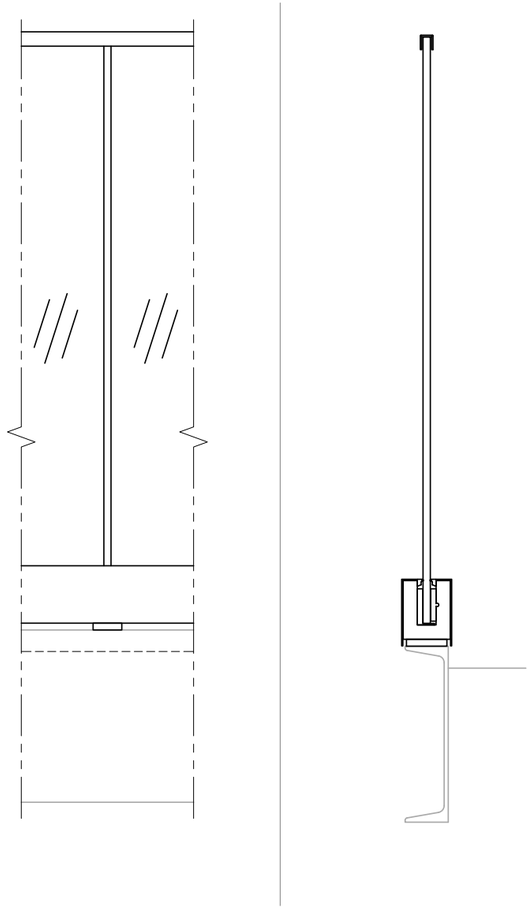


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SHOE™ GLASS RAILING SYSTEM

SHOE - AVAILABLE INFILLS

Glass



Other mounting options available.

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)



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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 - $[5]	Powder Coat #6 Satin SS Anodized	4.5”x1” Cladding for SHOE only.
	Stainless Steel - $$	#6 Satin	
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	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	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

Intertek

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

Continous Compression DrySet
U.S. PATENT NO. 9127474

ICC ES ICC INTERNATIONAL CODE COUNCIL®

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



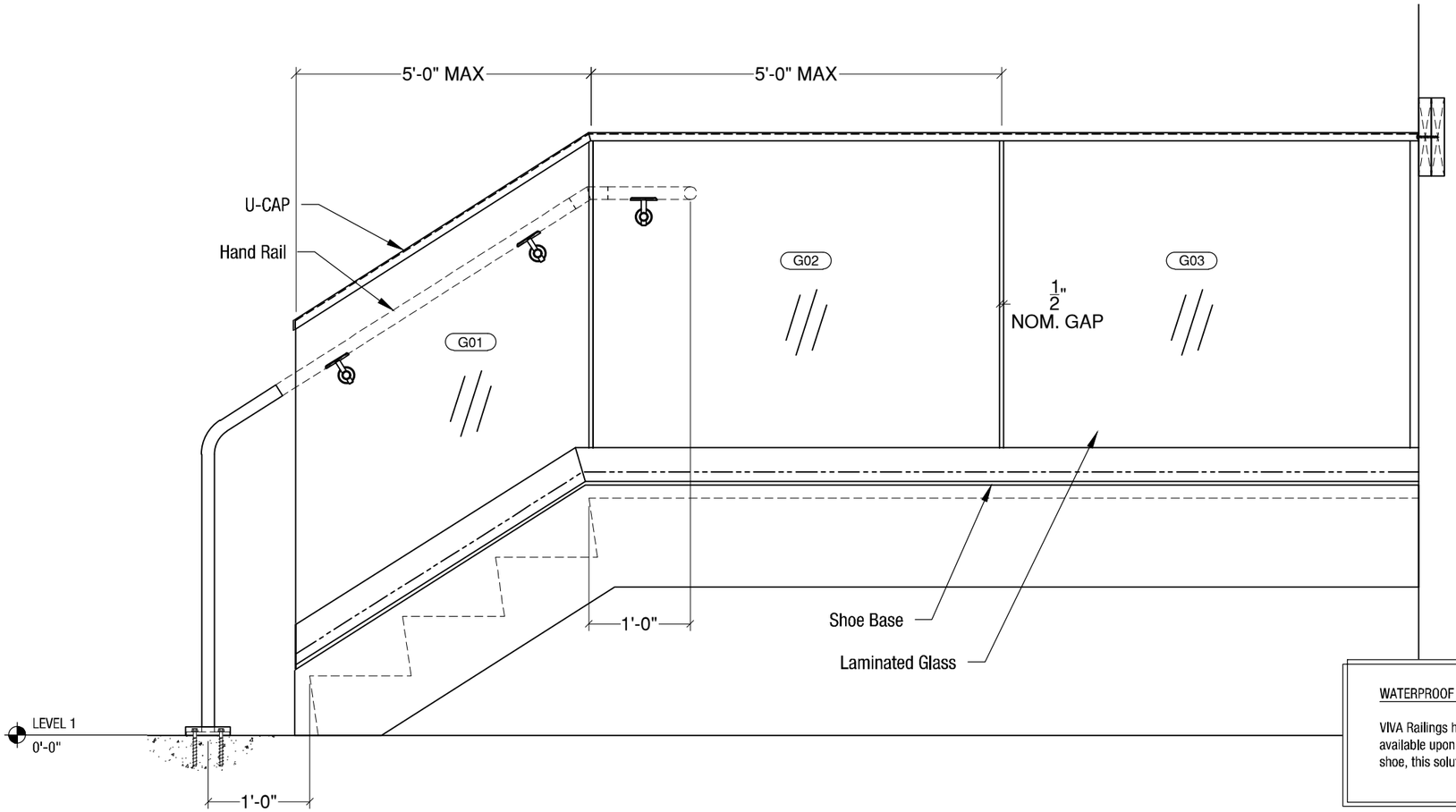
Colored Interlayer

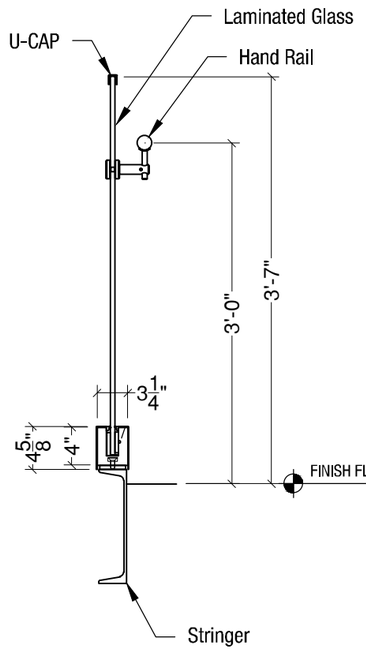


Frosted



Ceramic Frit





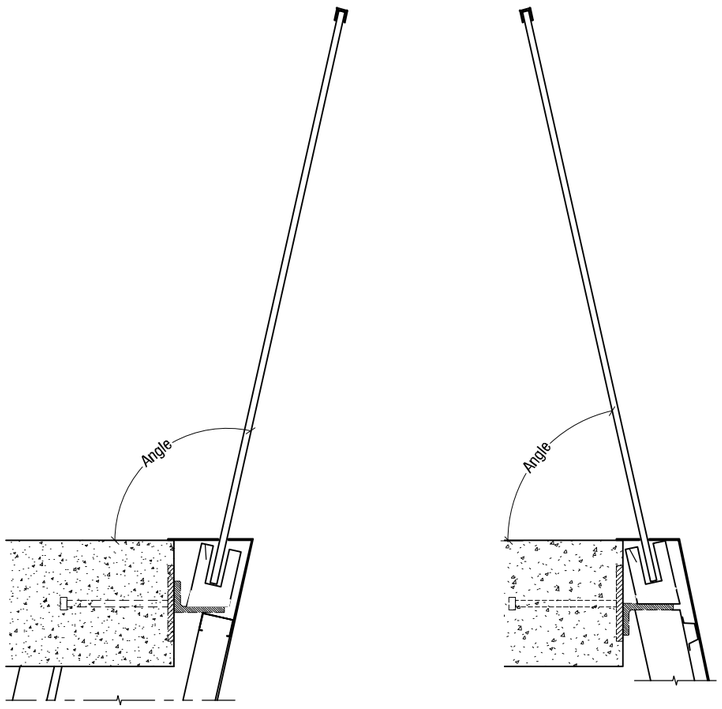
WATERPROOF SHOE SYSTEM APPLICATIONS

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).

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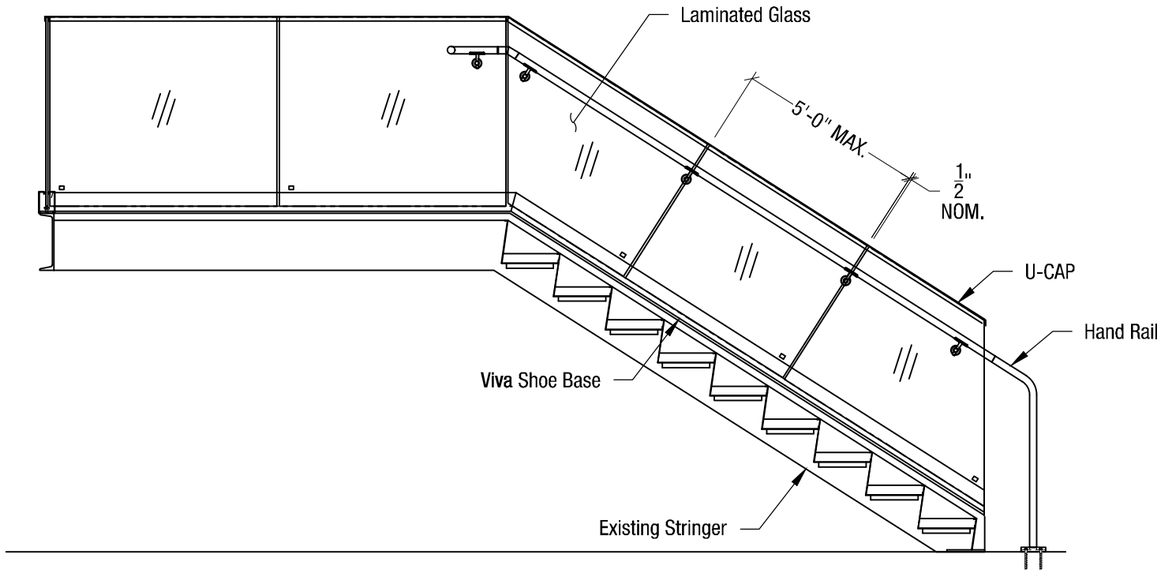
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ORIENTATION OPTIONS



Obtuse Angle Tilt Shoe

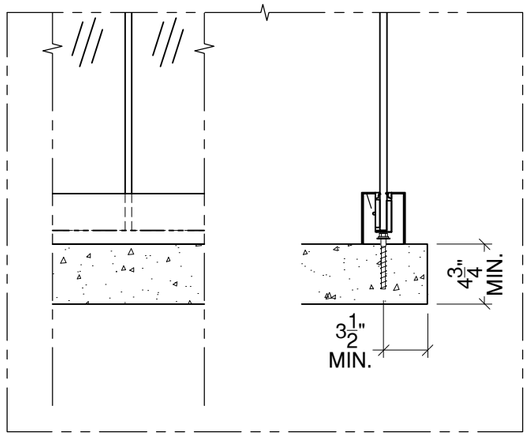
Acute Angle Tilt



Perpendicular Panels at Stair

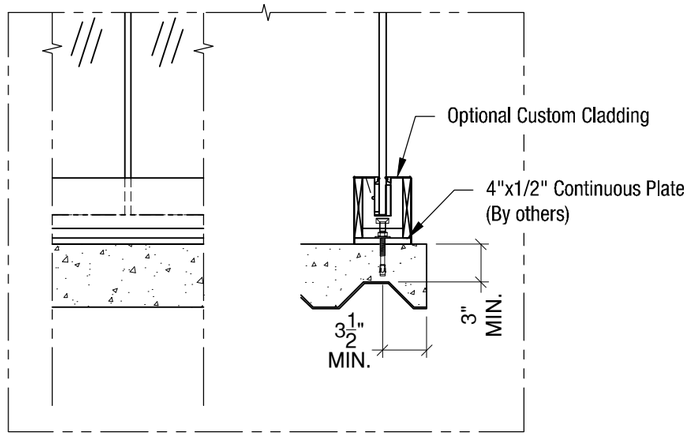
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MOUNTING CONDITION, TOP MOUNTED POST



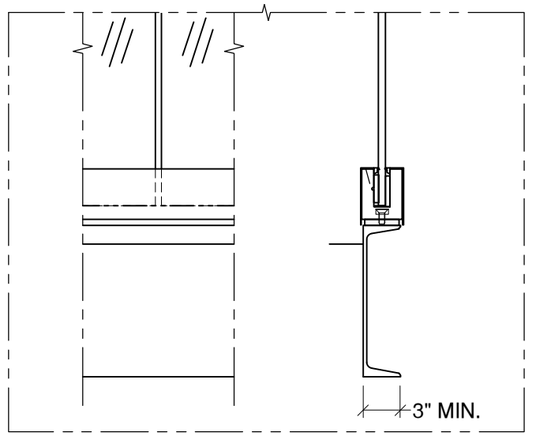
Anchored to Concrete [1] - $ [2]

Detail# SH-T01 [3]



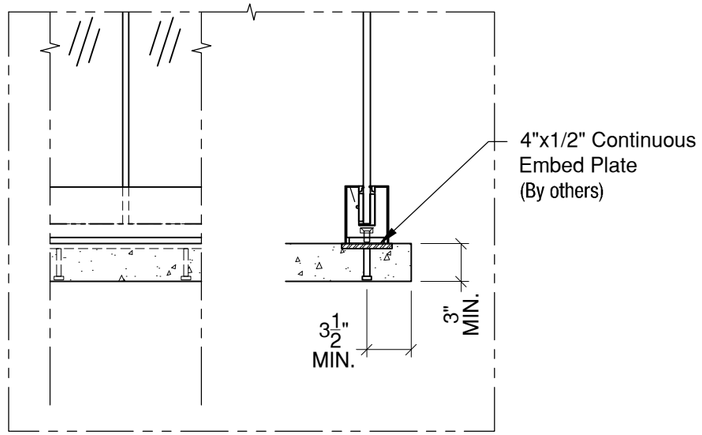
Anchored to Concrete Slab on Deck - $$$

Detail# SH-T02



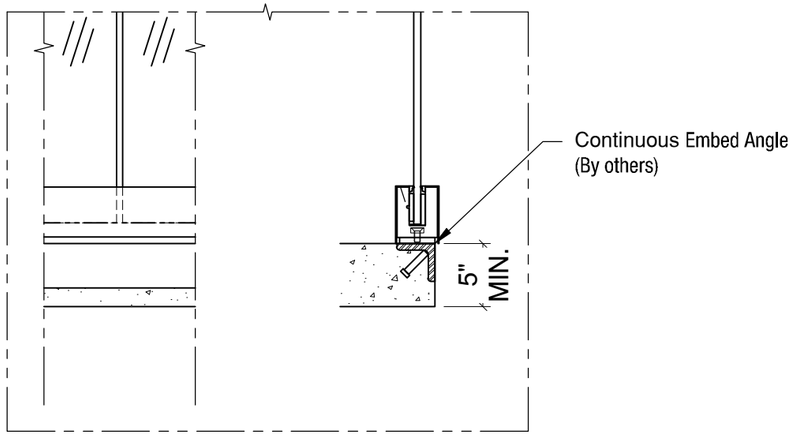
Welded @ Steel Channel - $

Detail# SH-T03



Welded @ Embed Plate - $

Detail# SH-T04



Welded @ Embed Angle - $$$

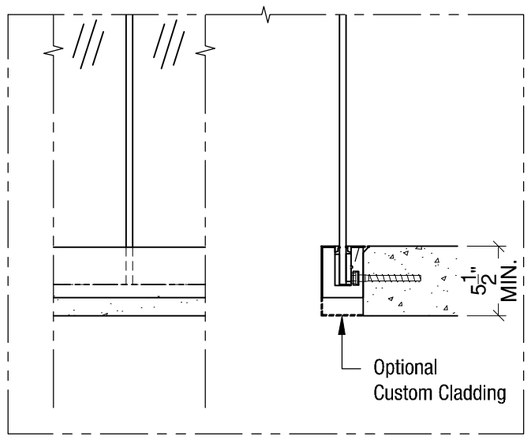
Detail# SH-T05

(1) Min. 4000 PSI concrete, Typ.
(2) $ to $$$: Indicates mounting type comparative cost

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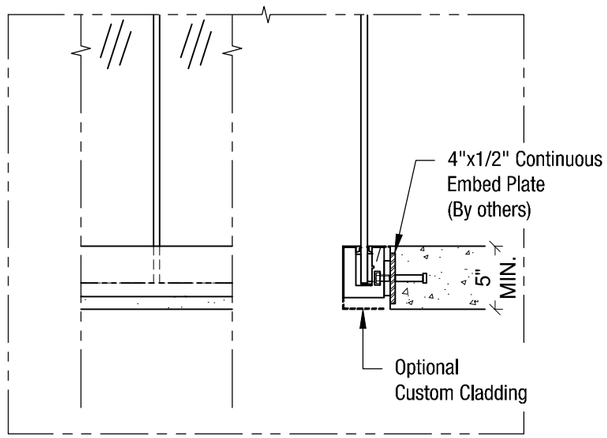
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MOUNTING CONDITION, FASCIA MOUNTED POST



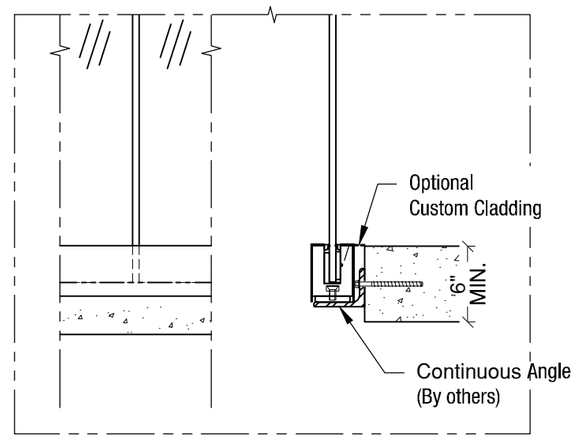
Anchored to Concrete [1] - $$$

Detail# SH-F01



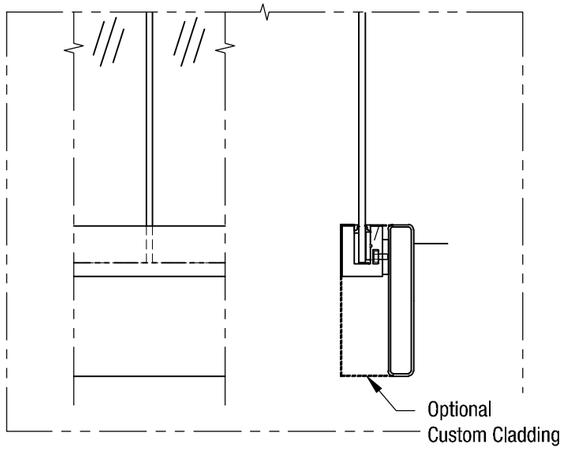
Welded @ Embed Plate - $$

Detail# SH-F02



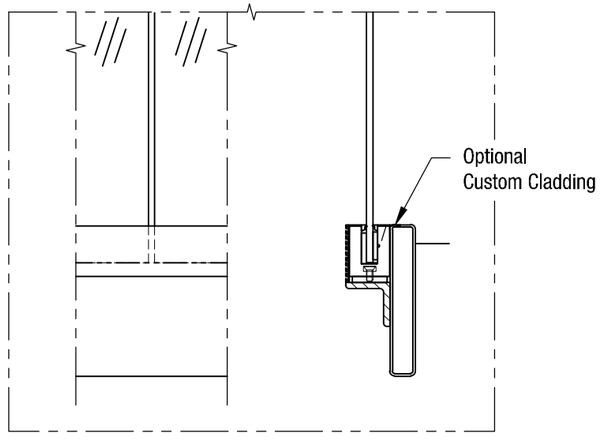
Welded @ Steel Angle Anchored @ Concrete - $$

Detail# SH-F03



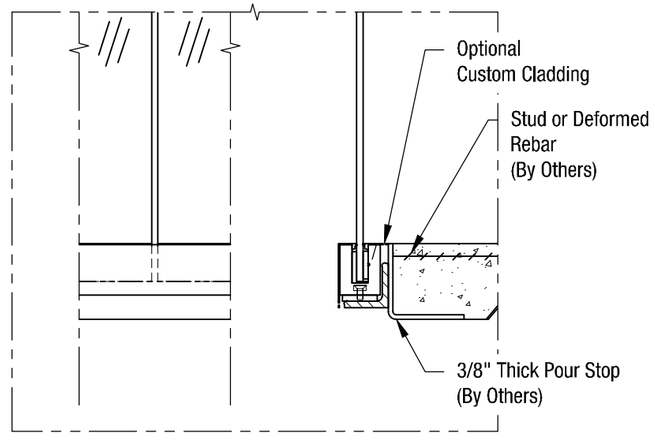
Welded @ Steel Tube - $$

Detail# SH-F04



Welded @ Steel Angle Welded @ Steel Tube - $$

Detail# SH-F05



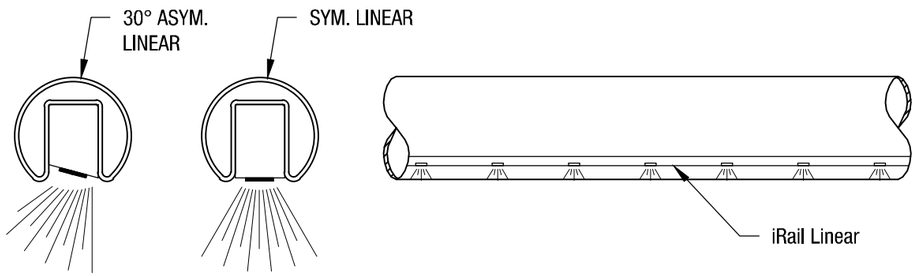
Welded @ Steel Angle - $$

Detail# SH-F07

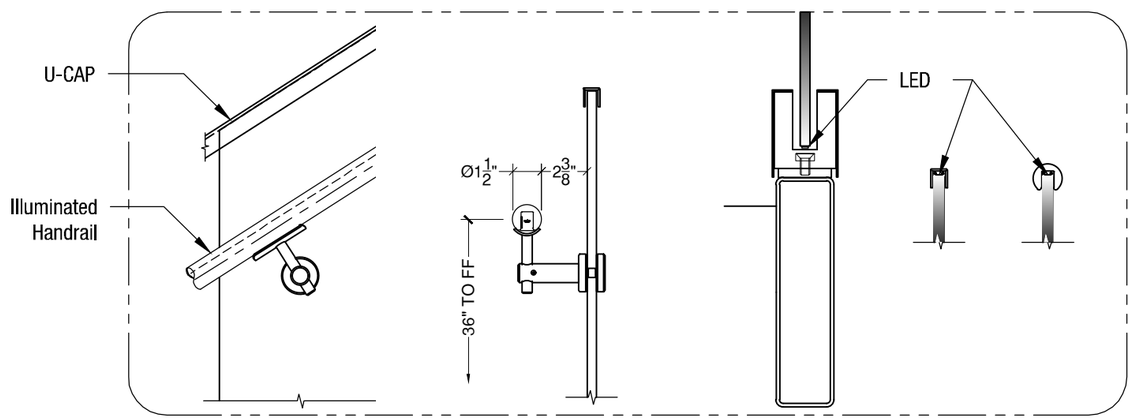
(1) Min. 4000 PSI concrete, Typ.

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ILLUMINATED RAILING



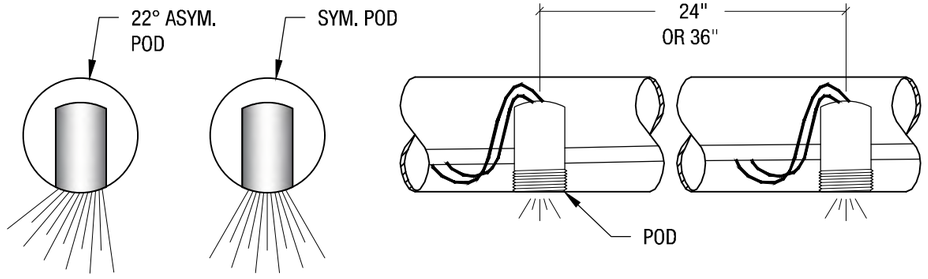
iRail Linear Orientation Options



Illuminated Handrail Option

Illuminated Shoe Option

Illuminated Top rail Options



iRail Pod Orientation Options

iRail Pod Spacing Options

iRAIL LIGHTED RAILING SYSTEM

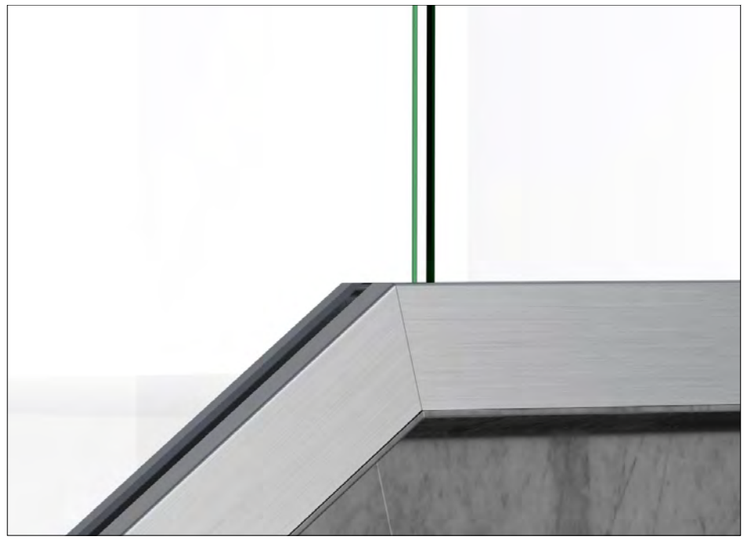
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SHOE GLASS RAILING SYSTEM

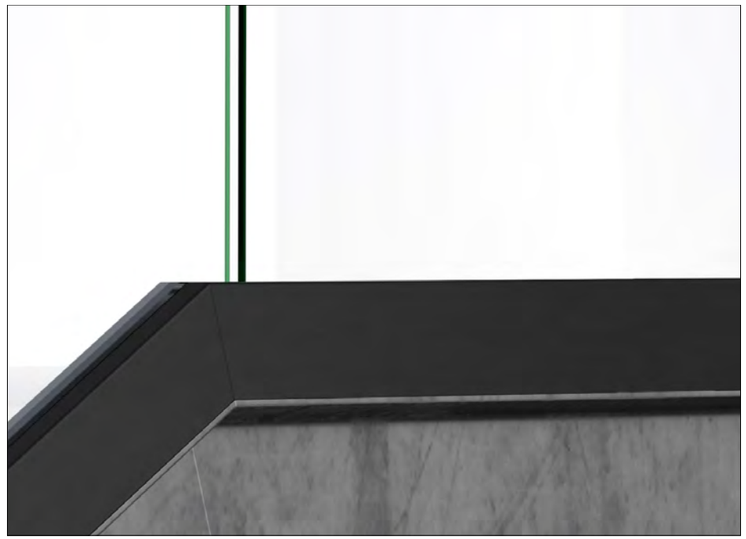


FINISHING OPTIONS

#6 Satin



Powder Coat*

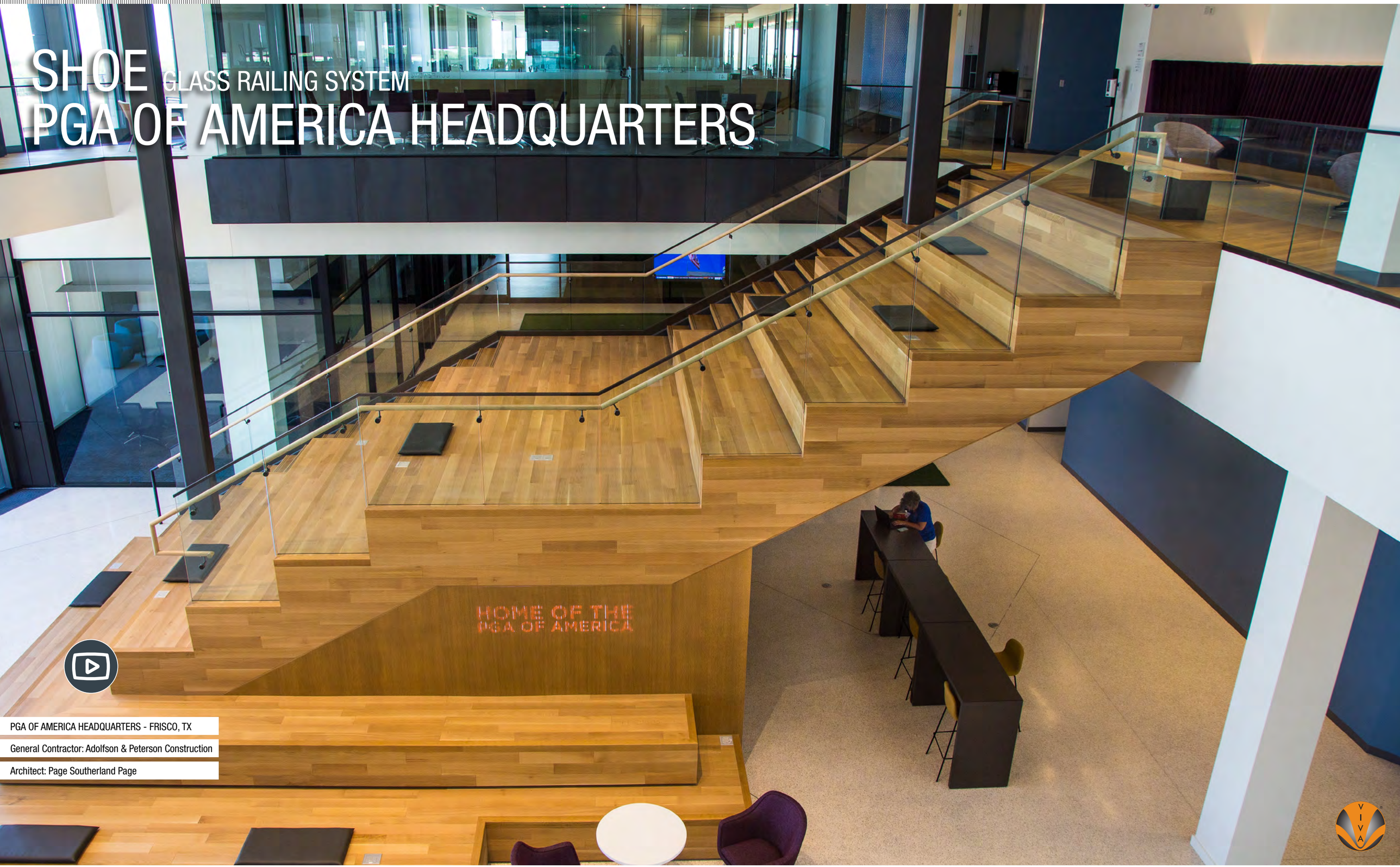


Powder coating is an environmentally-friendly option because it doesn't rely on solvents or chemical carriers. Instead, an electrostatic charge holds the paint to the steel, thus eliminating VOC emissions which will help in regards to LEED requirements. In addition, it meets AAMA specifications. Powder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

PDF POWDER COAT FINISHING OPTIONS

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SHOE GLASS RAILING SYSTEM
PGA OF AMERICA HEADQUARTERS



PGA OF AMERICA HEADQUARTERS - FRISCO, TX

General Contractor: Adolfson & Peterson Construction

Architect: Page Southerland Page

SHOE GLASS RAILING SYSTEM
HALL ARTS HOTEL

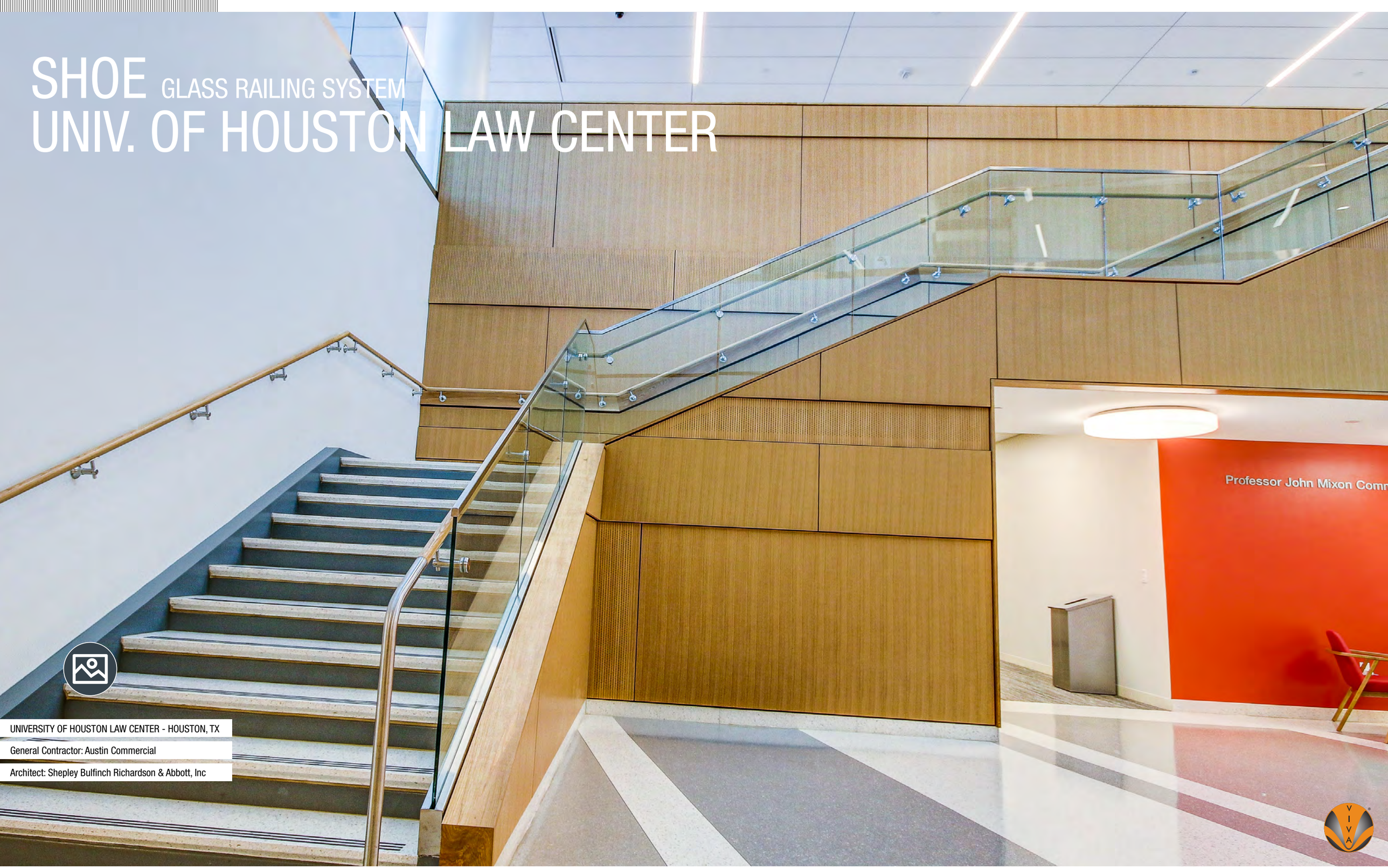
HALL ARTS HOTEL - DALLAS, TX

General Contractor: Austin Commercial

Architect: HKS

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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

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