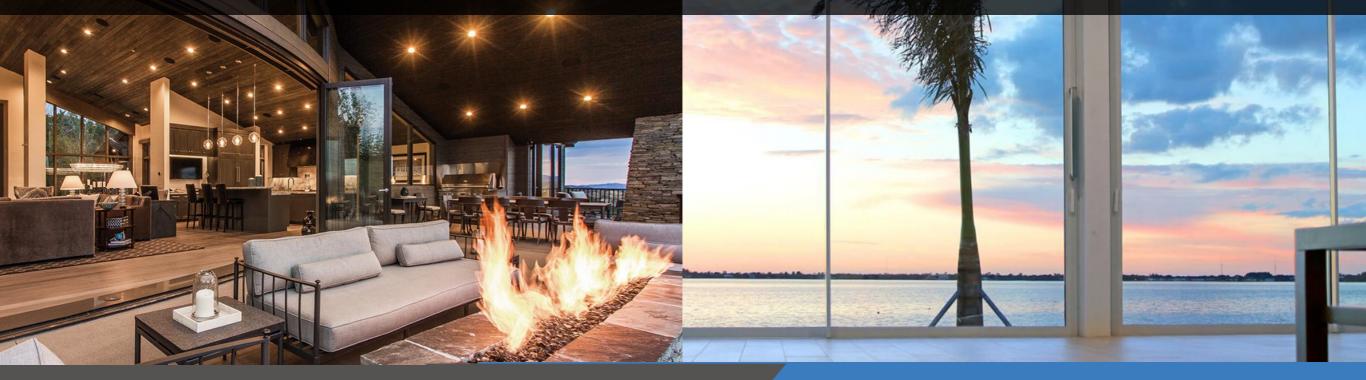


SOLUTIONS FOR LARGE OPENINGS IN WIND BORNE & COASTAL AREAS







Credit(s) earned on completion of this course will be reported to AIA CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request.

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COURSE DESCRIPTION

THIS COURSE FOCUSES ON:

Types of Door Systems

Door Hardware

Benefits and Applications

This seminar provides an overview of large opening glass wall systems, their structurally engineered components, and how they provide a perfect solution for large openings in coastal areas for commercial and residential applications.

LEARNING OBJECTIVES

At the end of this course, participants will be able to:

Define large opening glass wall systems and describe their functional and impact performance benefits.

Discuss how large operable glass wall systems can be used in high-velocity hurricane zones while achieving the maximized opening design.

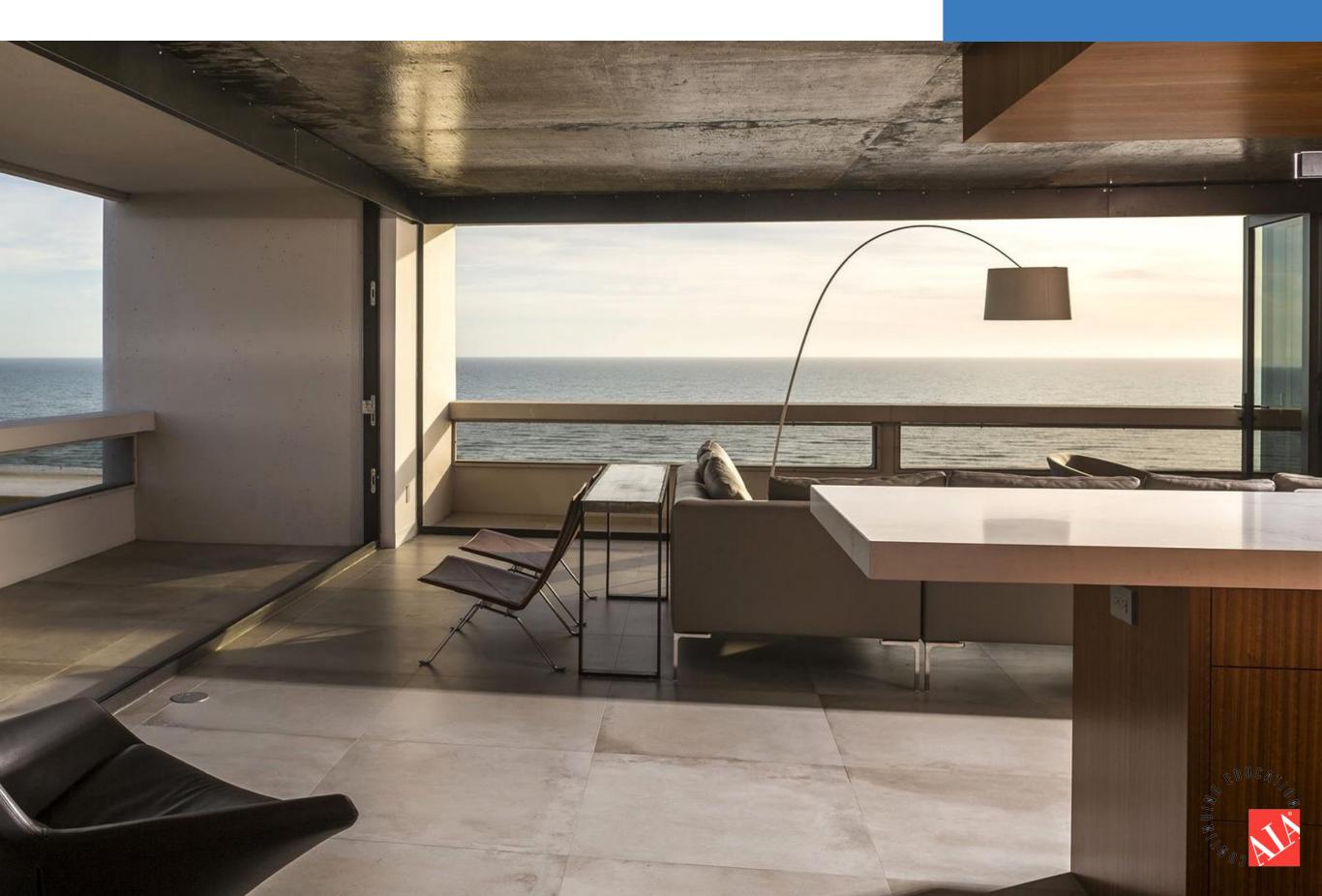
Explain how certain components and materials contribute to the strength and durability of the frame and overall system.

Summarize door selection and panel configurations and how this helps determine the most appropriate system and application for the project.

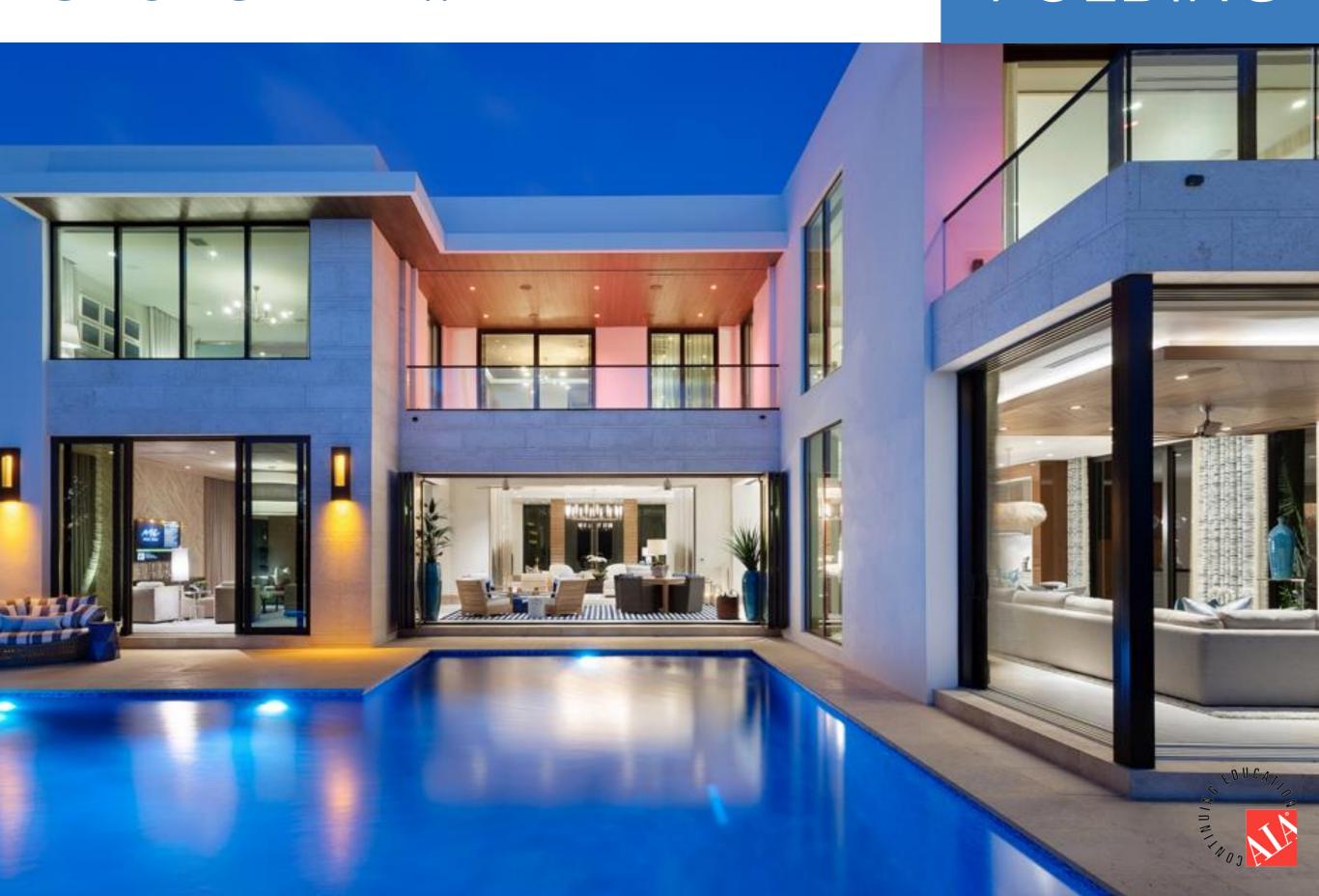




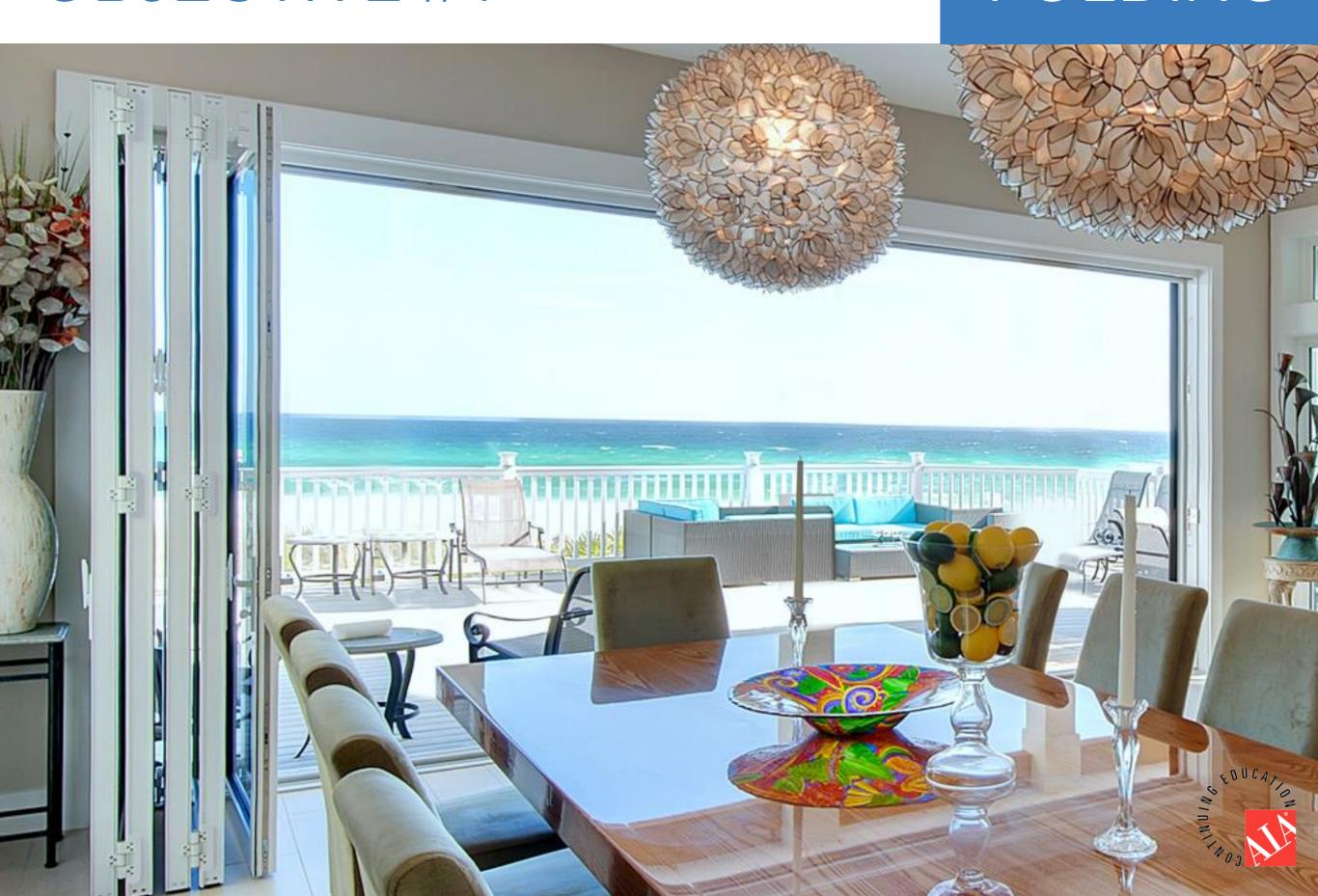
Define large opening glass wall systems and describe their functional and impact performance benefits.

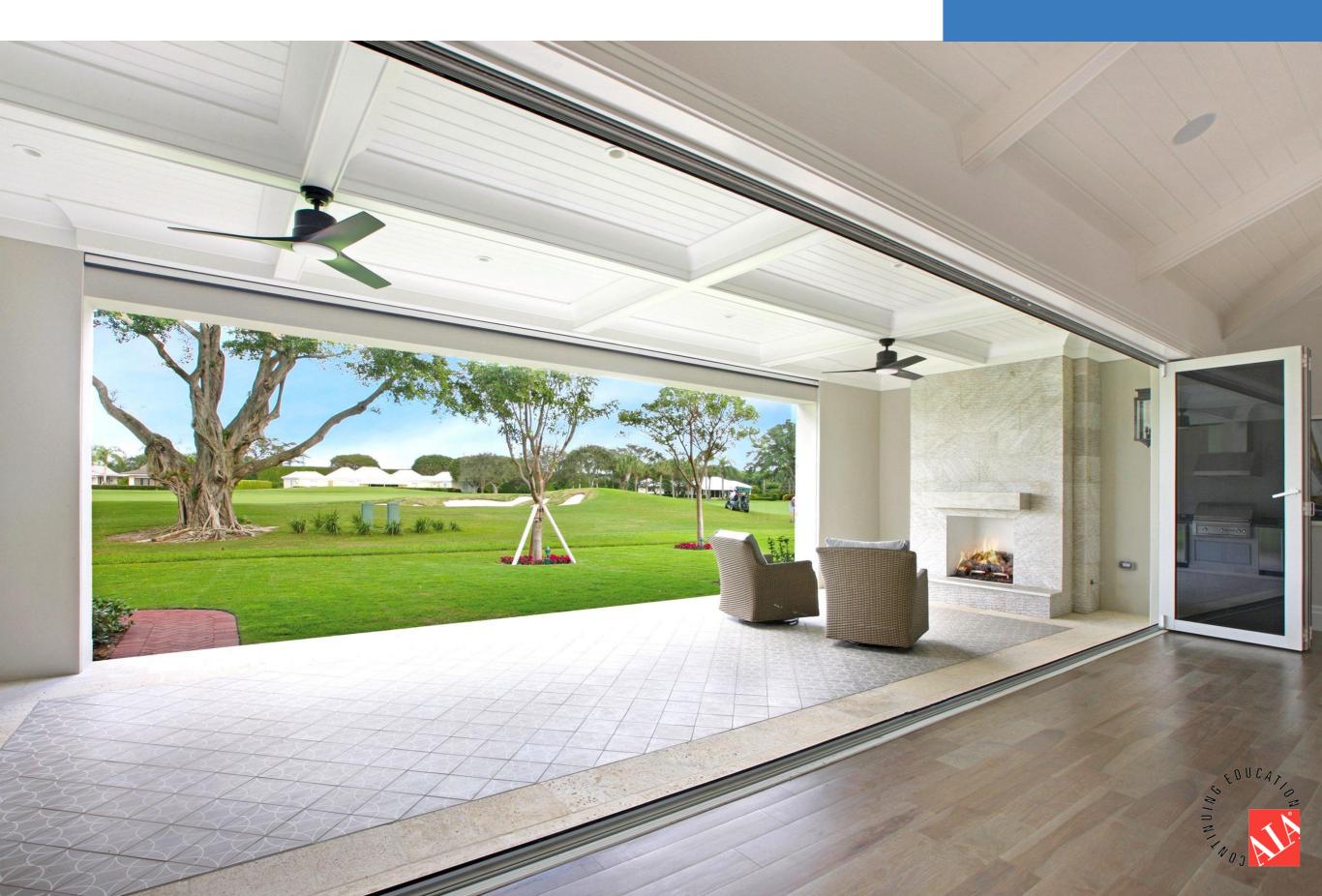


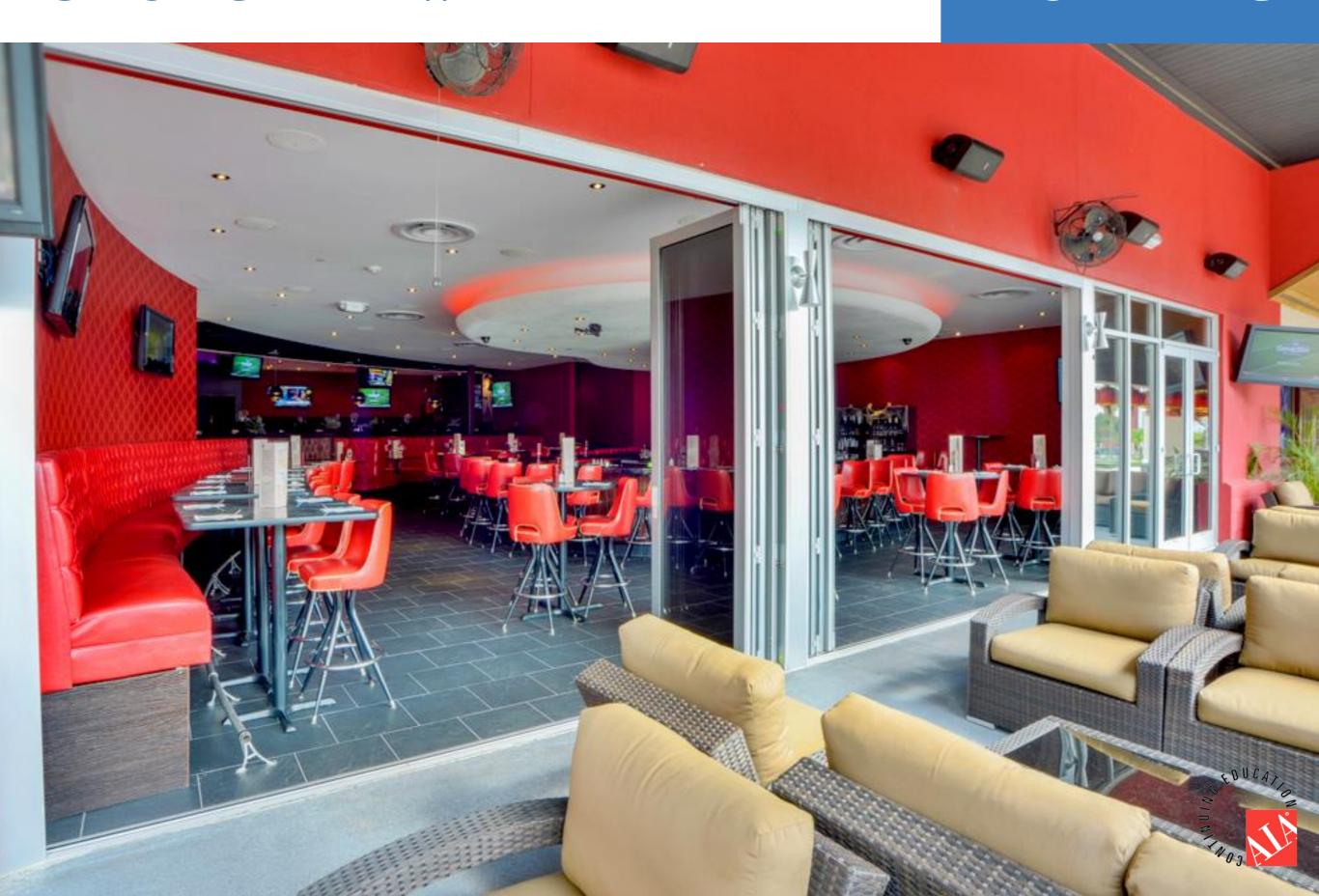




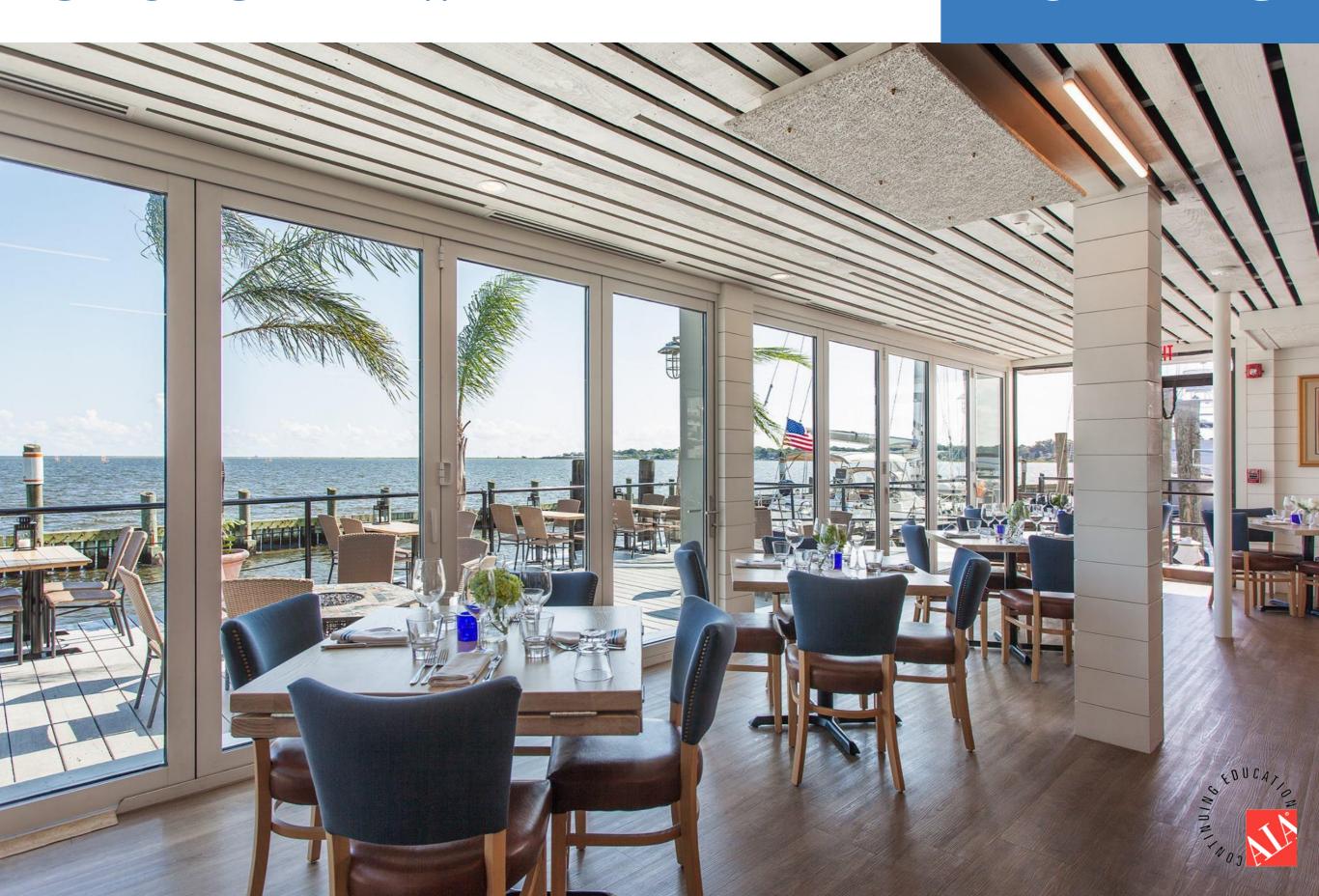


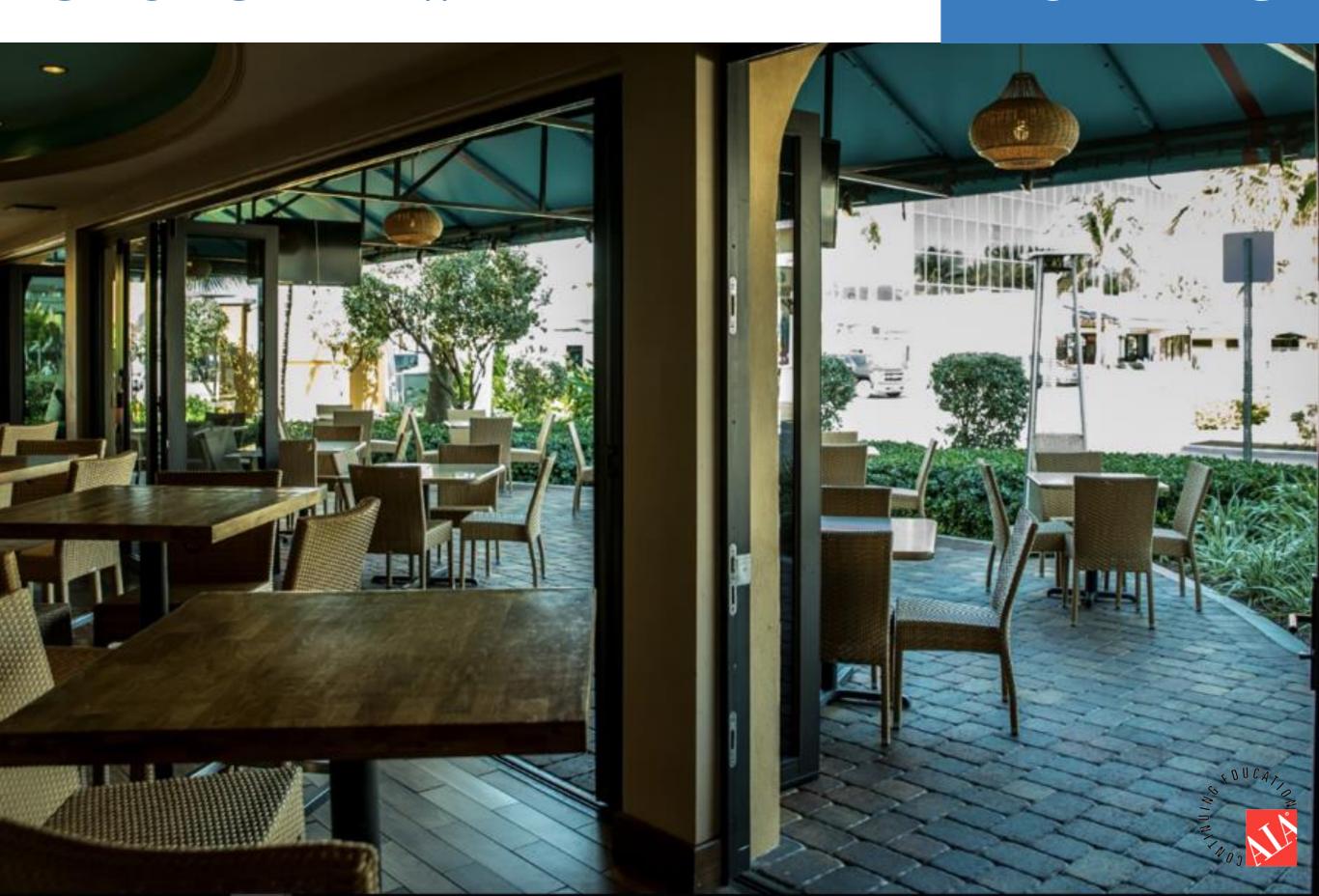


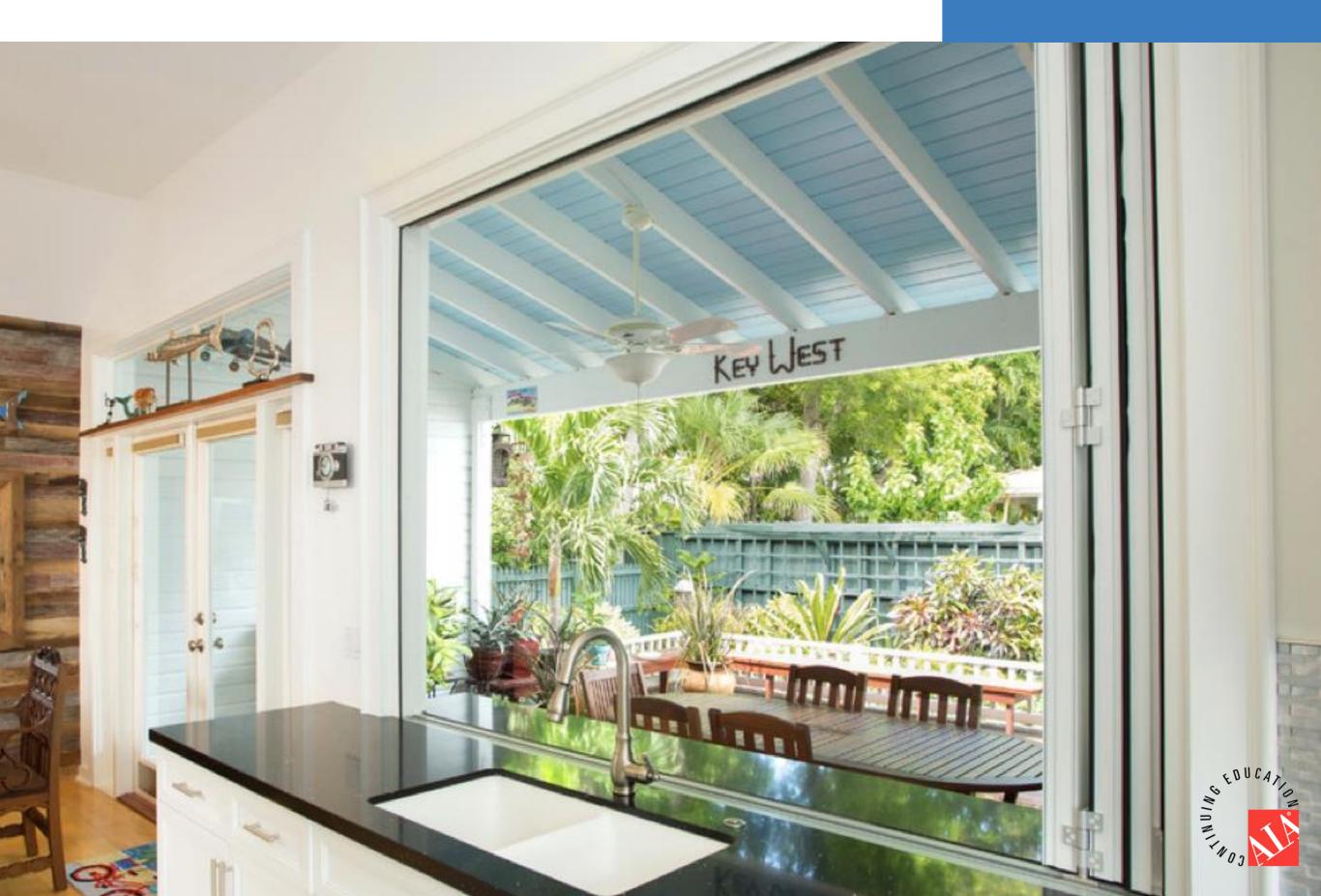
















RADIUS FOLD



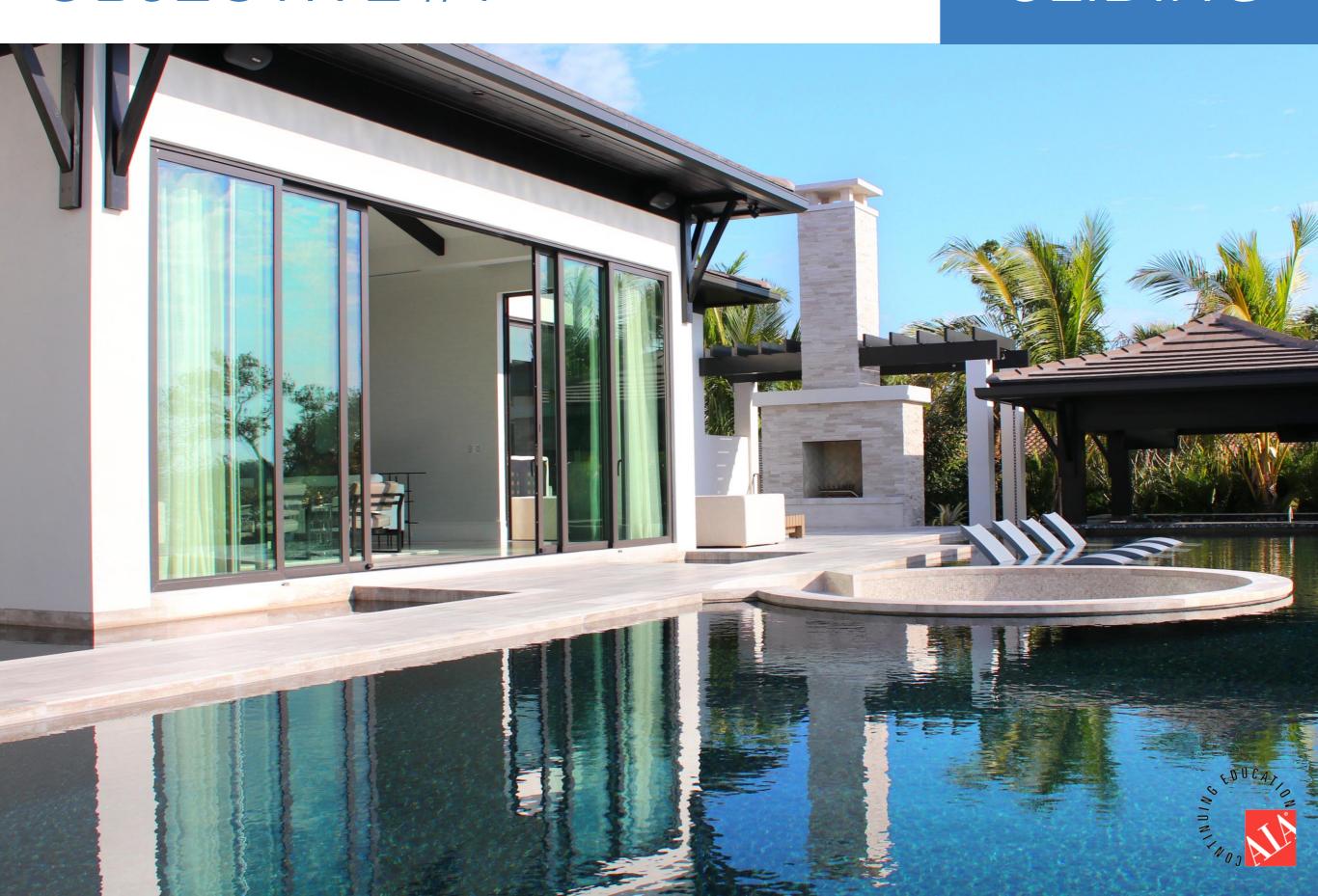
RADIUS FOLD







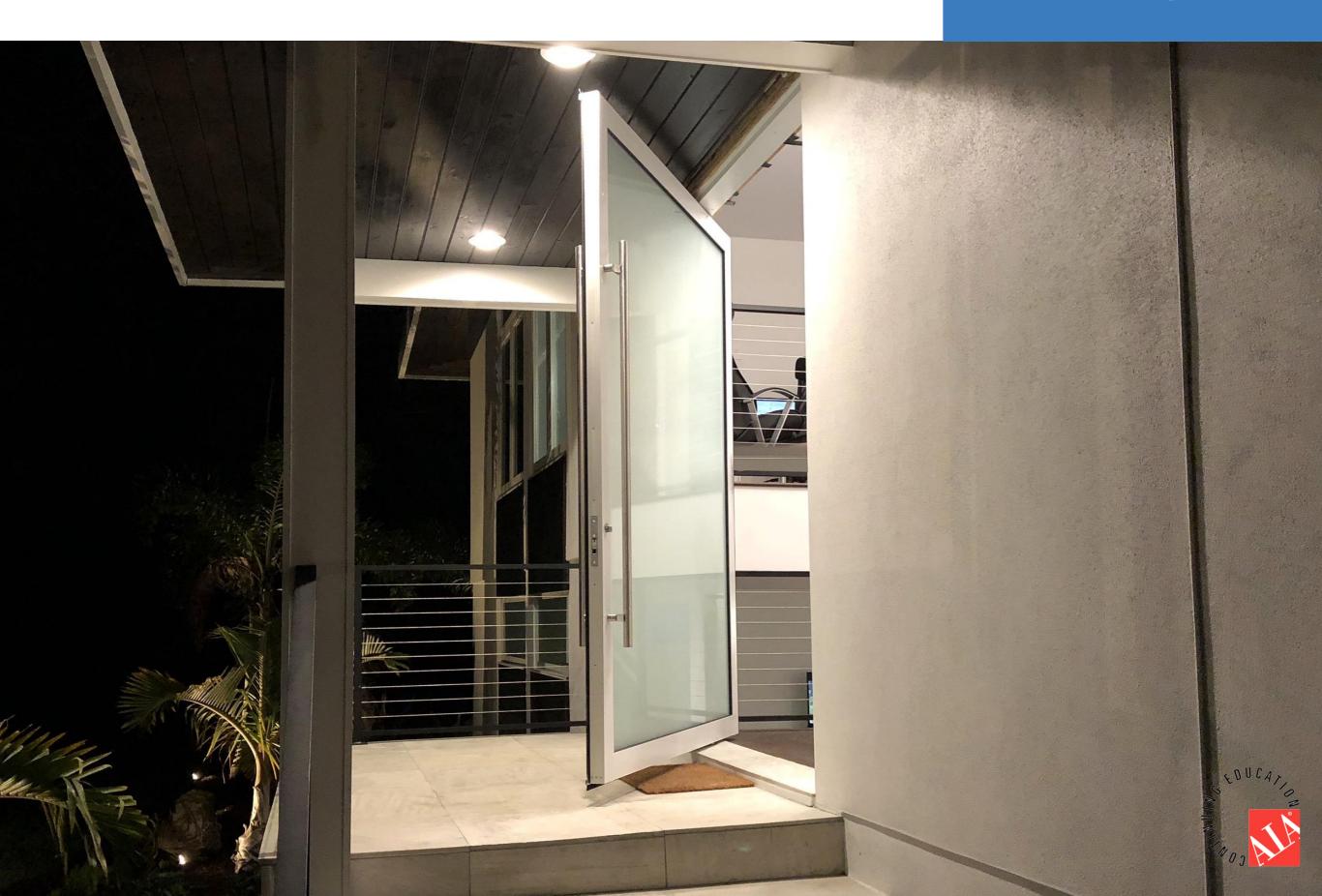




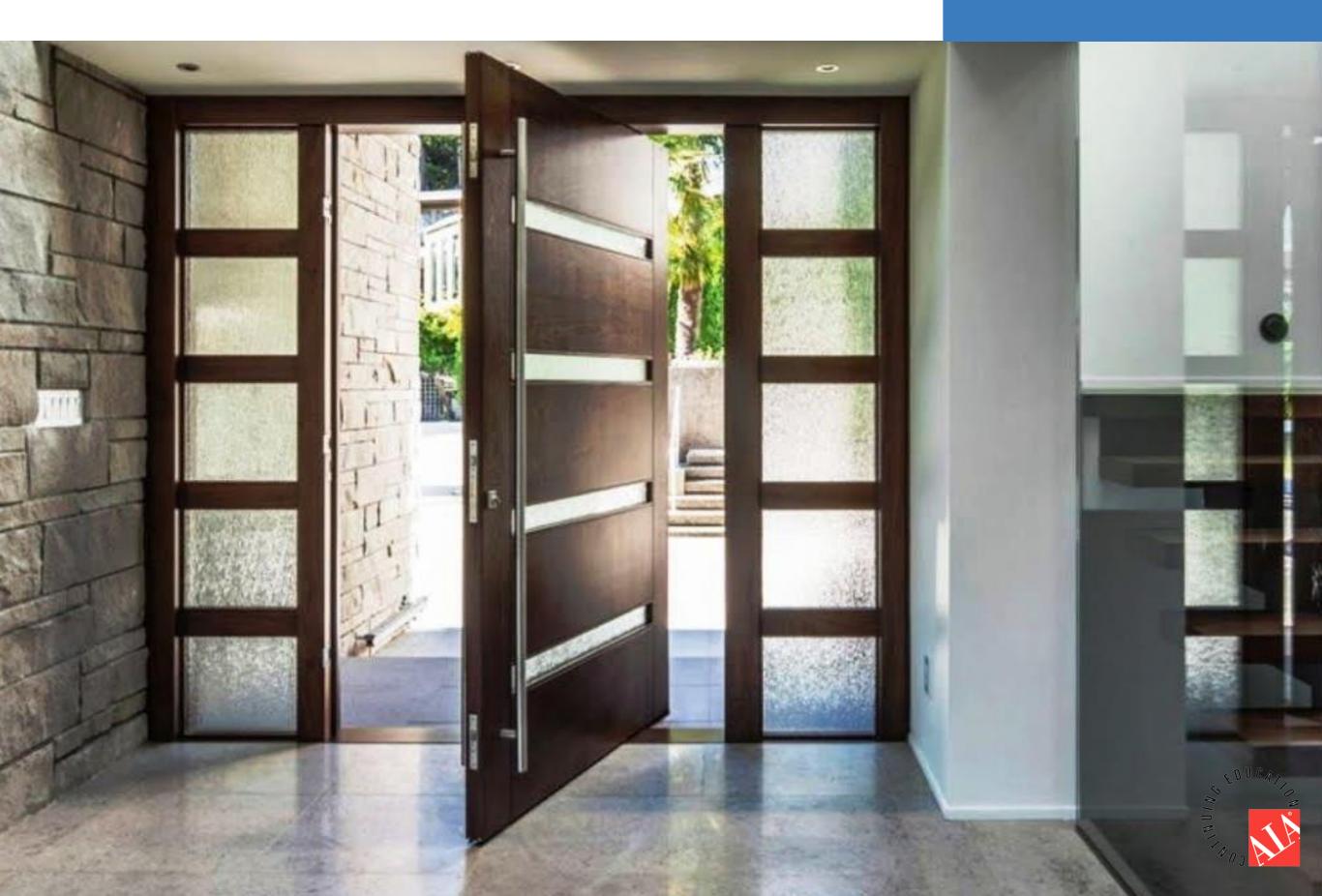
PIVOT



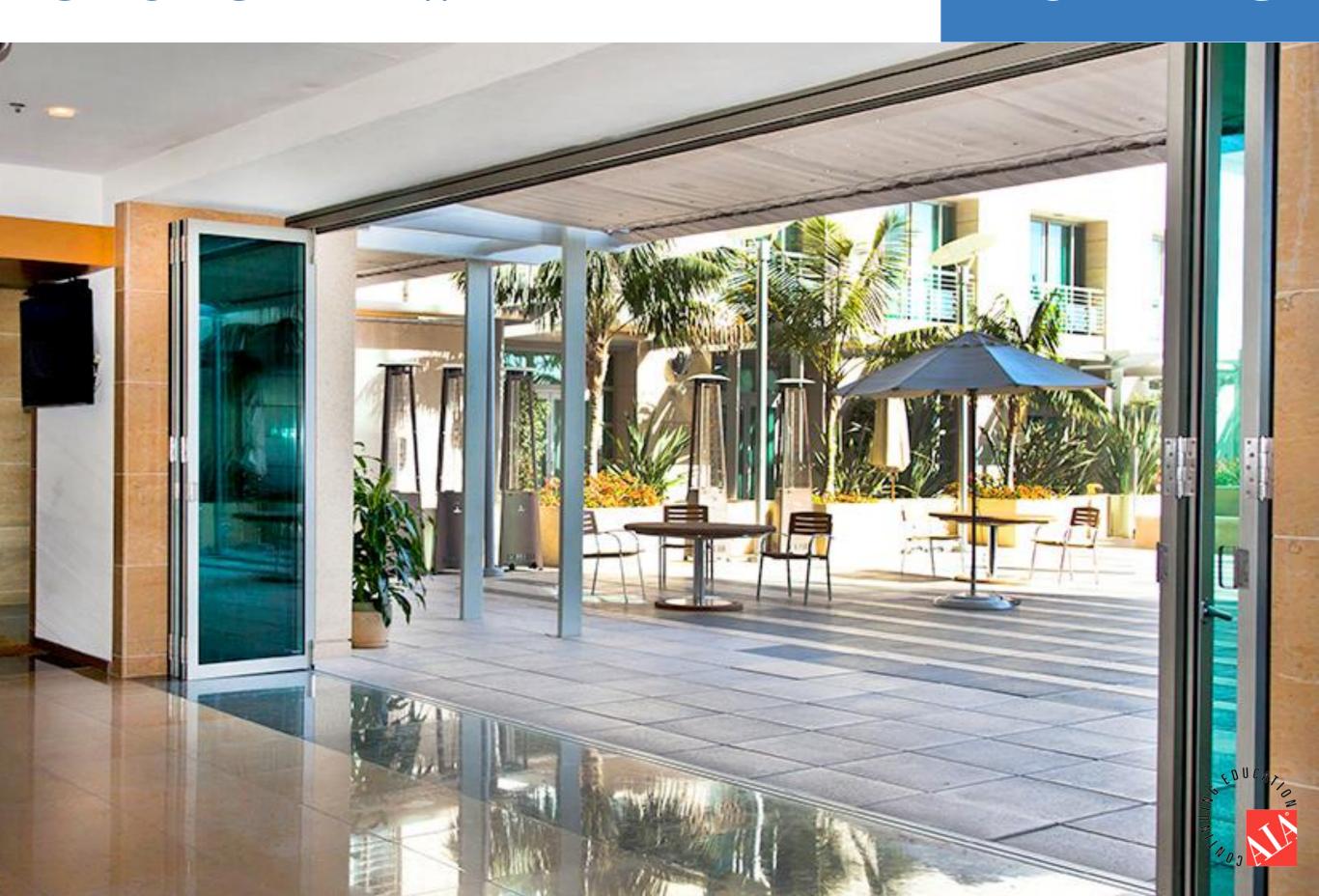
PIVOT

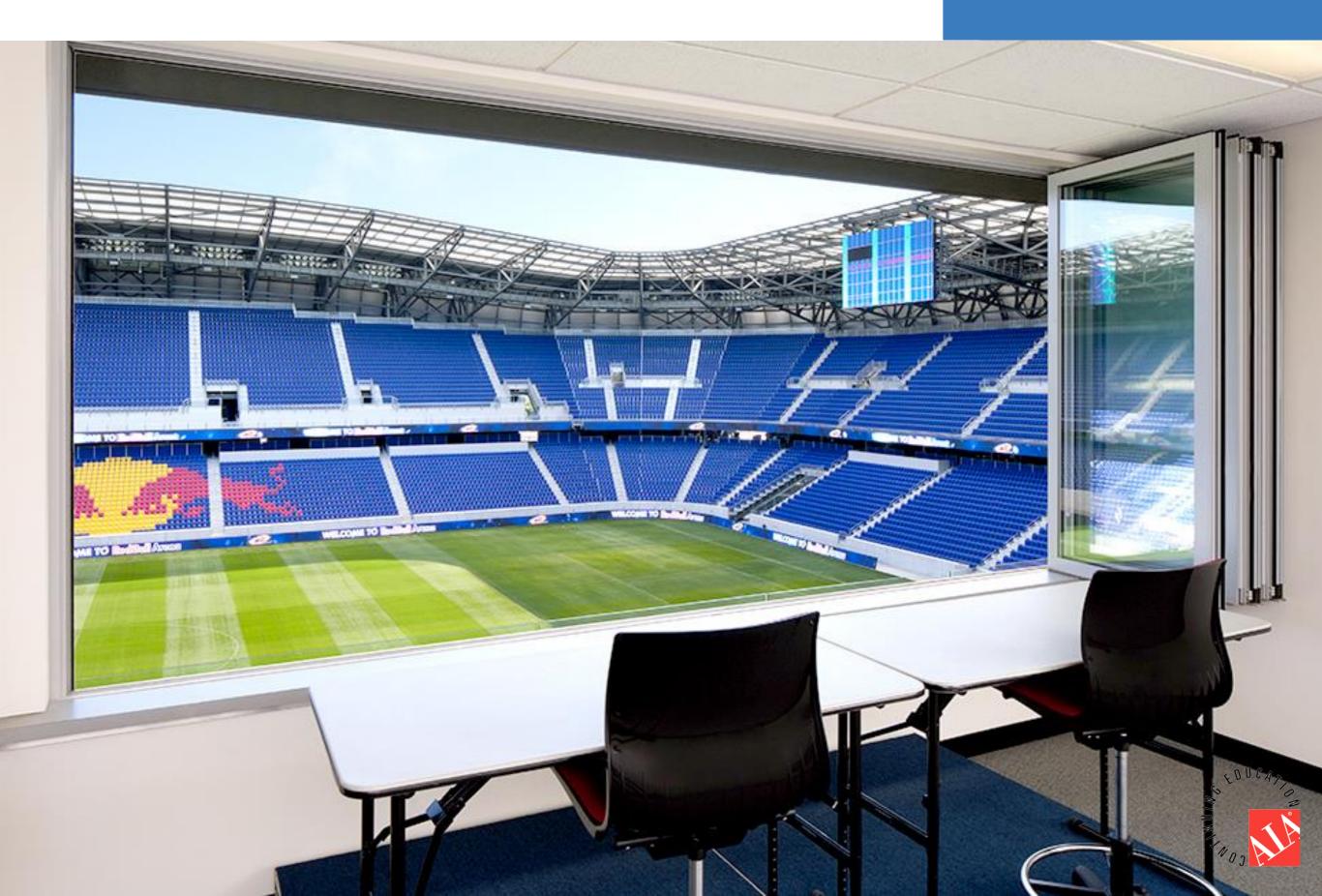


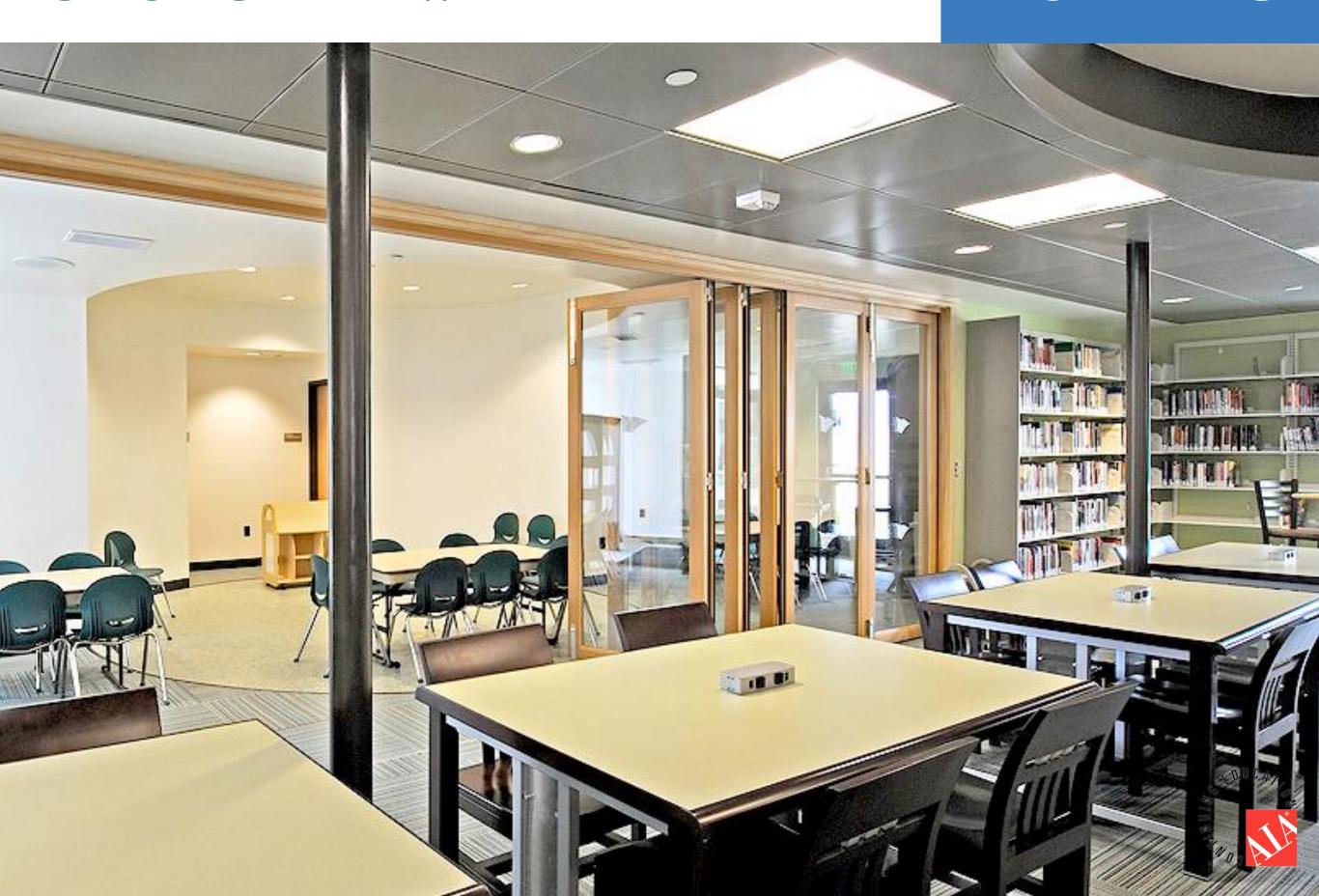
PIVOT







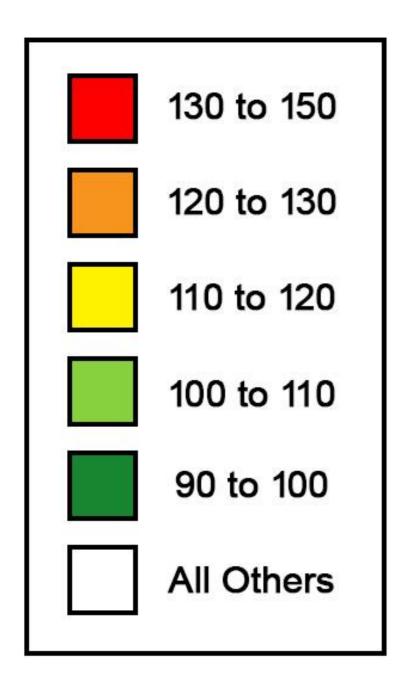


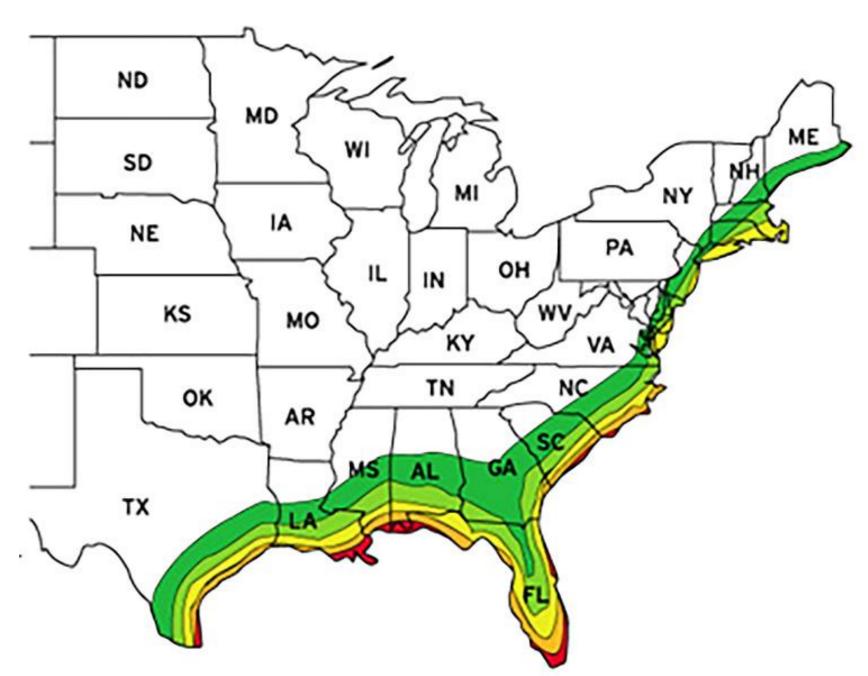




Discuss how large operable glass wall systems can be used in High Velocity Hurricane Zones while achieving the maximized opening design.

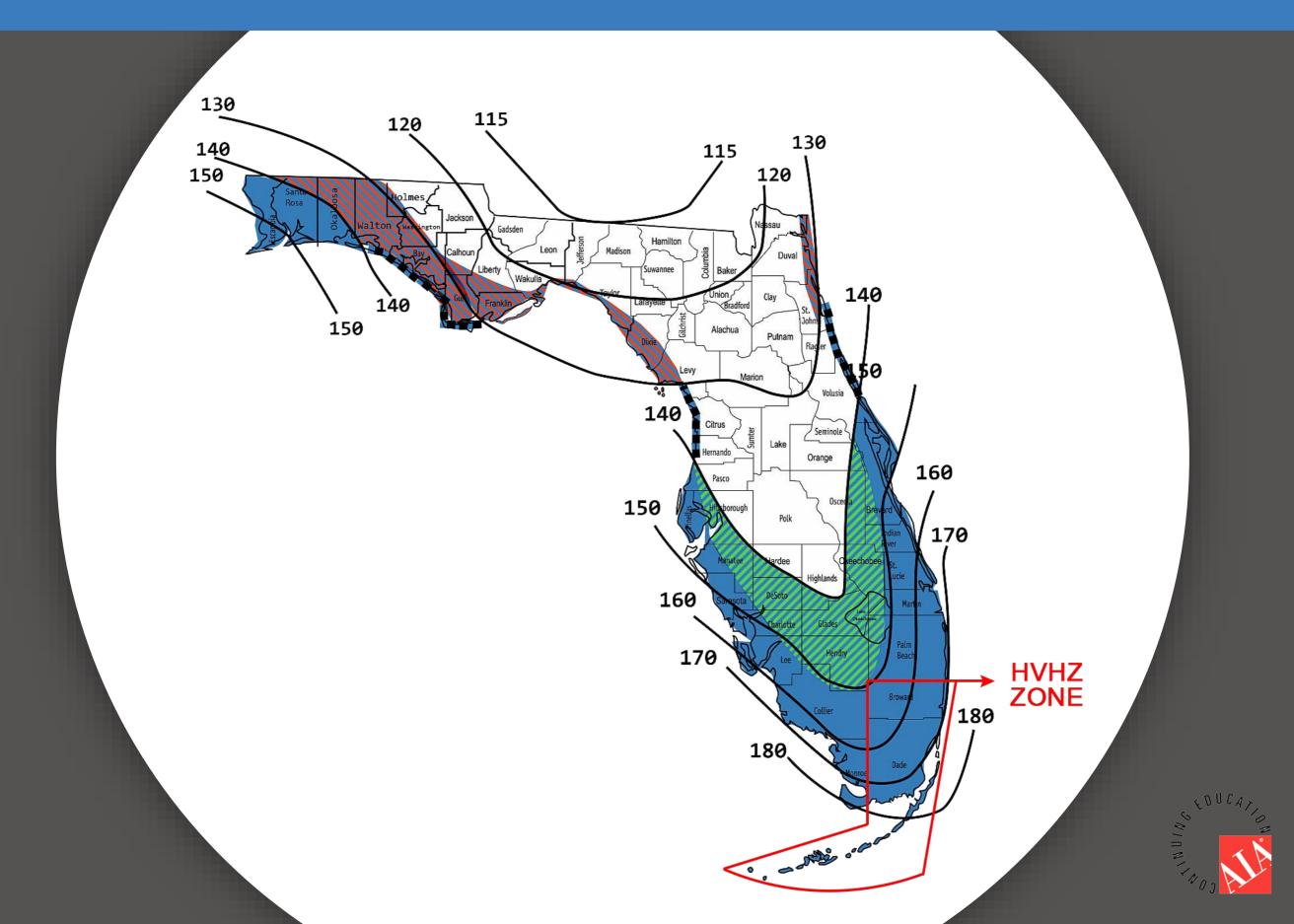
HIGH VELOCITY WIND ZONES (East US)



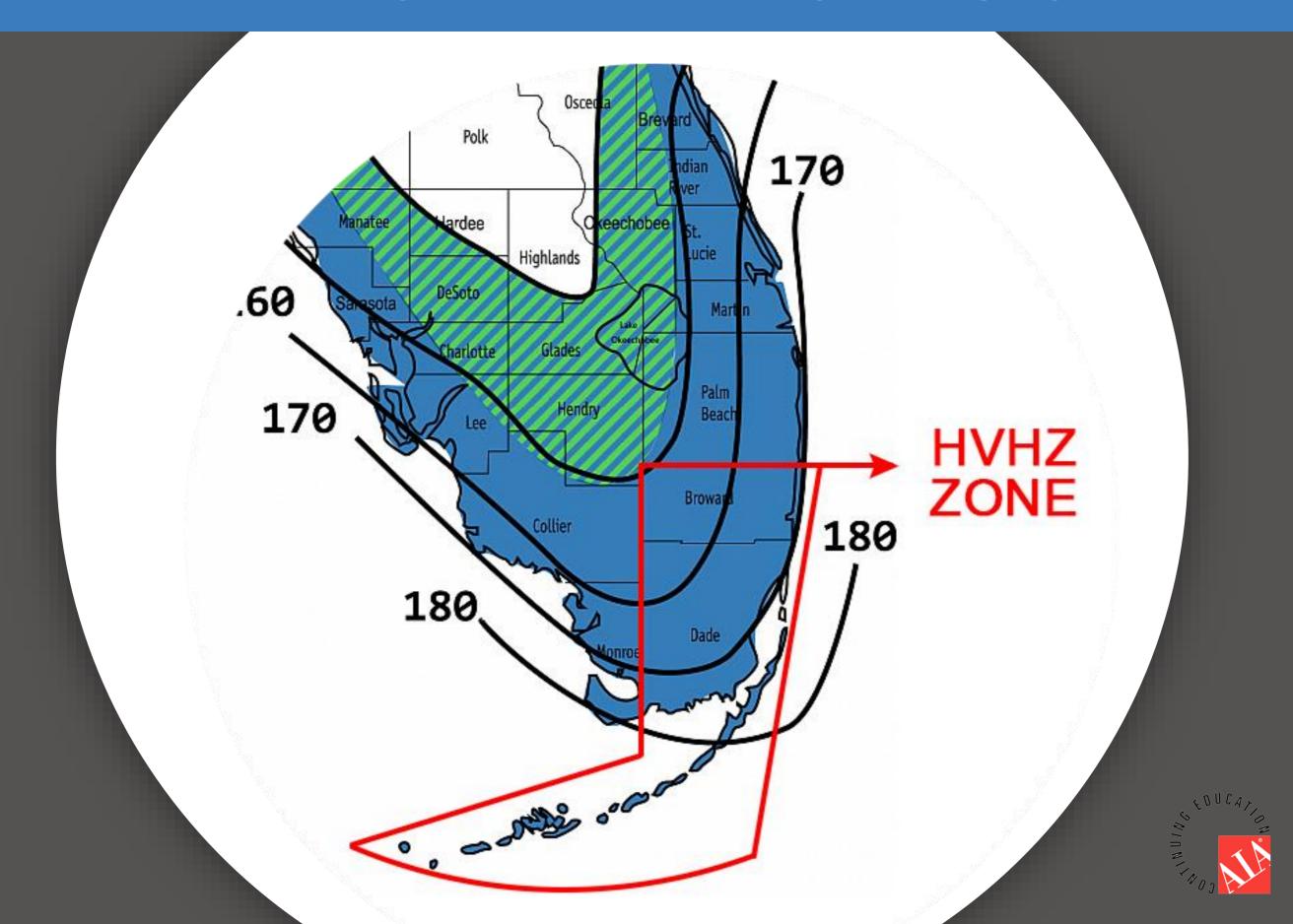




WIND-BORNE DEBRIS REGION



WIND-BORNE DEBRIS REGION



CARIBBEAN REGION



TEST PERFORMANCE & CERTIFICATIONS

Florida Building Code Approved

Water Leakage Resistance

TAS 201 TAS 202 TAS 203

Wind Load Resistance

 Approved for use in HVHZ (Miami-Dade Zones)

Wind Zone 4 (Hurricane)ASTM (Cycling) E1996

AAMA / WDMA / CSA 101 / I.S.2 / A440-08 • NASF-08 Wind Zone 4 (Hurricane)ASTM (Impact) E1886

Air Infiltration



FOLD IMPACT TESTING

Approved for use in Miami-Dade HVHZ Zones



FOLD IMPACT TESTING

Approved for use in Miami-Dade HVHZ Zones



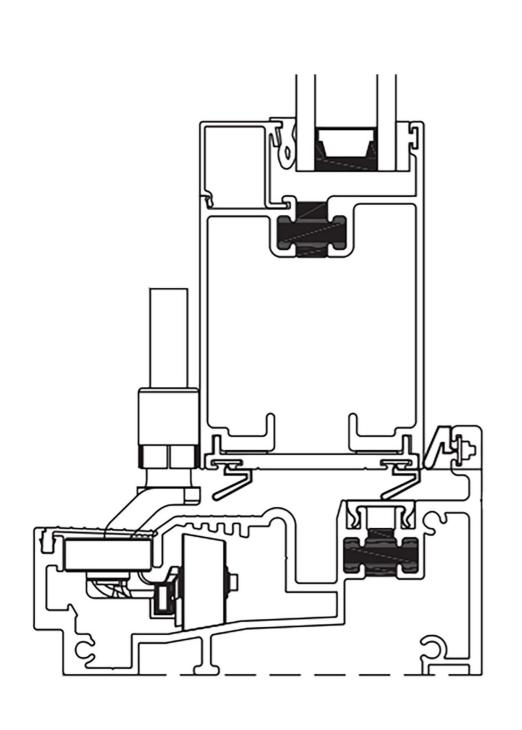
OBJECTIVE #3

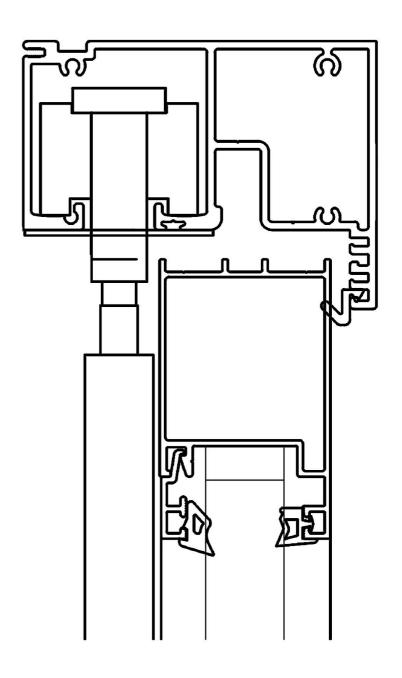
Explain how certain components and materials contribute to the strength and durability of the frame and overall system.



TOP HUNG VS. BOTTOM ROLLING

What are the differences between top-hung & bottom rolling folding door systems?







ALUMINUM FINISHES

Long Life, Durability & Sustainability

AAMA SPECIFICATIONS FOR PAINT											
KYNAR	2603	2604	2605								
SOUTH FLORIDA WEATHERING											
Color Retention	1 year: "Slight" Fade	5 yrs: Fade = 5 Delta E	10 yrs: Fade = 5 Delta E								
Chalk Resistance	1 year: "Slight" Chalk	5 yrs: Chalk = 8	10 yrs: Chalk = 8								
Gloss Retention	No Specification	5 yrs: 30% Retention	10 yrs: 50% Retention								
Erosion Resistance	No Specification	5 yrs: 10% Loss	10 yrs: 10% Loss								
ACCELERATED TESTING											
Salt Spray	1,500 Hours	3,000 Hours	4,000 Hours								
Humidity	1,500 Hours	3,000 Hours	4,000 Hours								

ANODIZE CLASS I

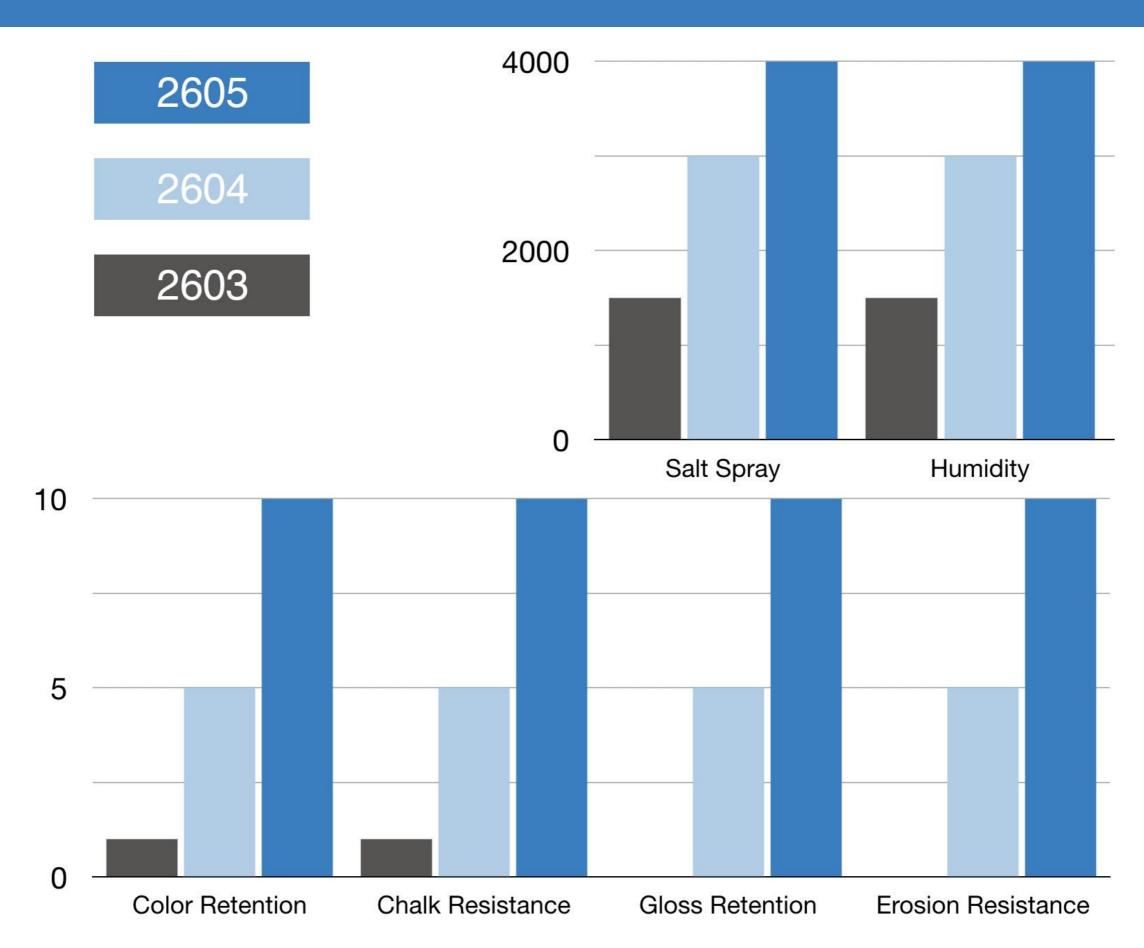
Coating is a high performance anodic finish used primarily for exterior building products and other products that must withstand continuous outdoor exposure.

ANODIZE CLASS II

Coating is a commercial anodic finish recommended for interior applications or light exterior applications receiving regularly scheduled cleaning and maintenance such as storefronts.



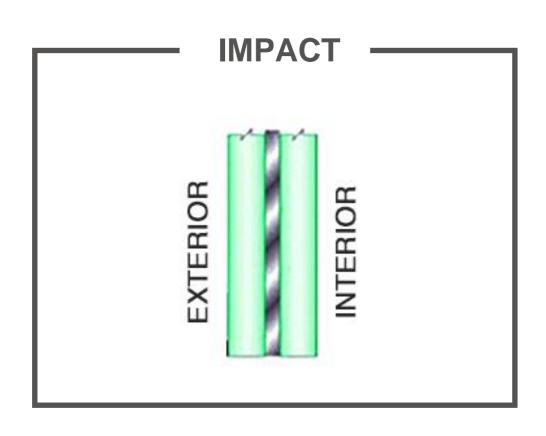
2603 vs 2604 vs 2605

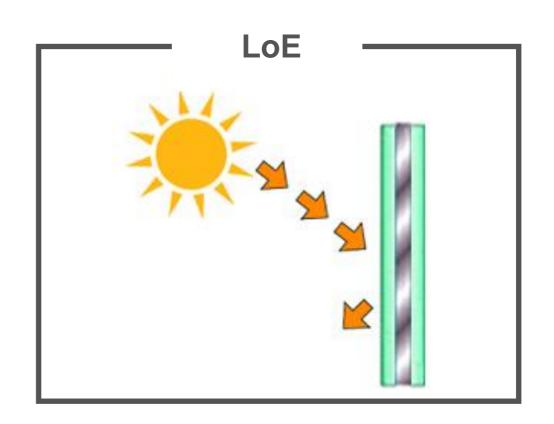


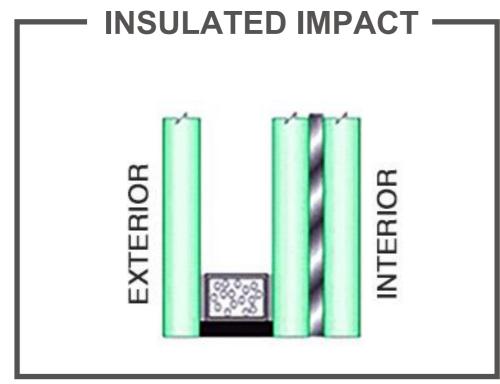
MATERIAL / FINISH OPTIONS

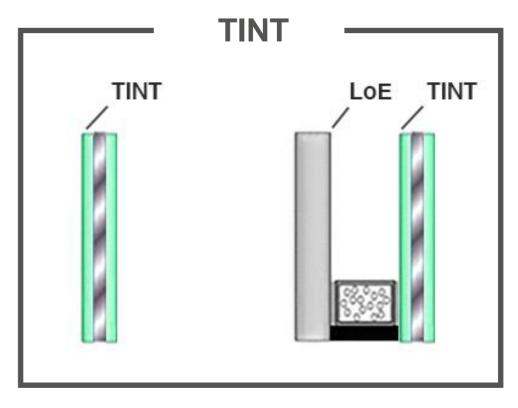


GLAZING TECHNOLOGY









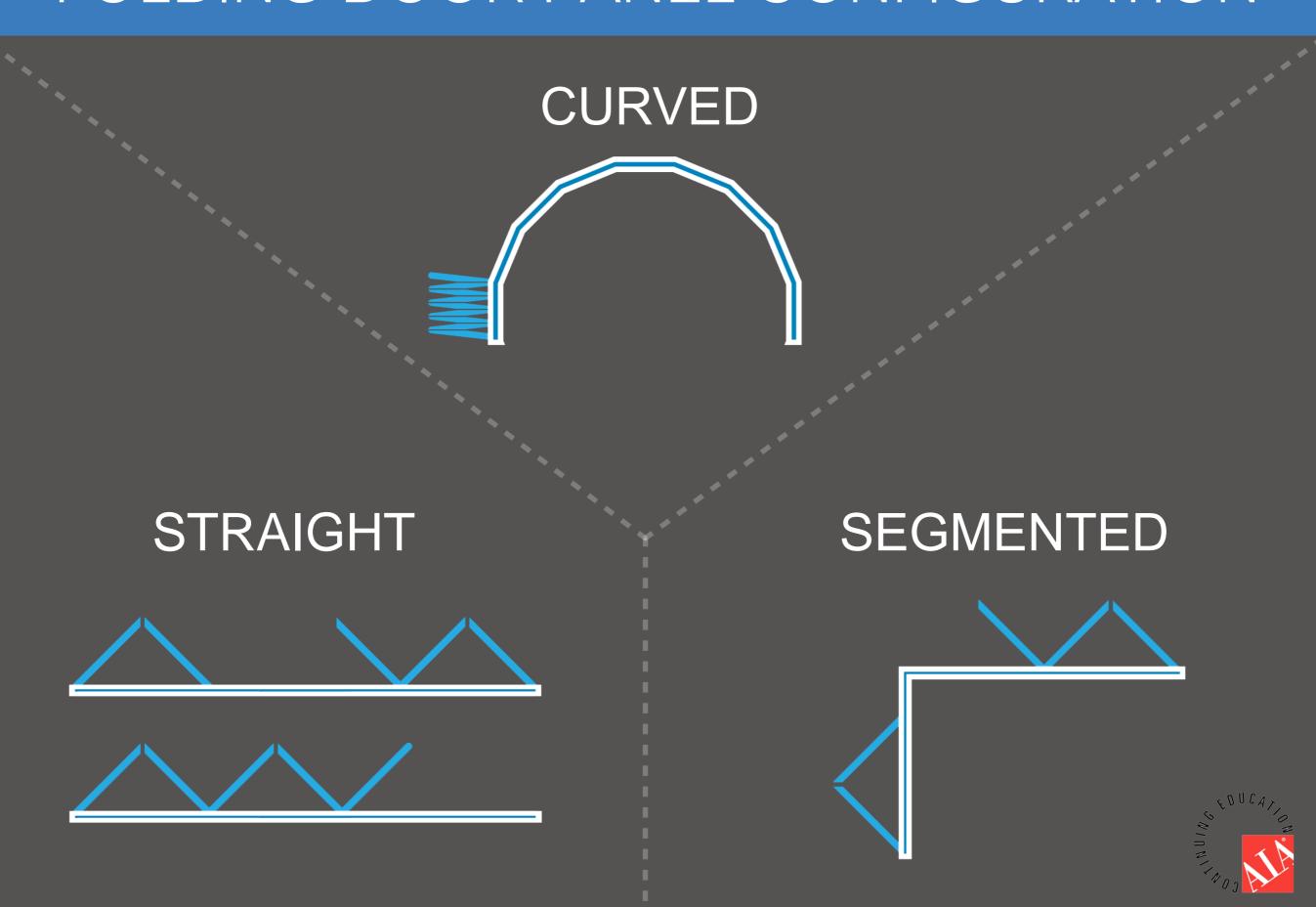


OBJECTIVE #4

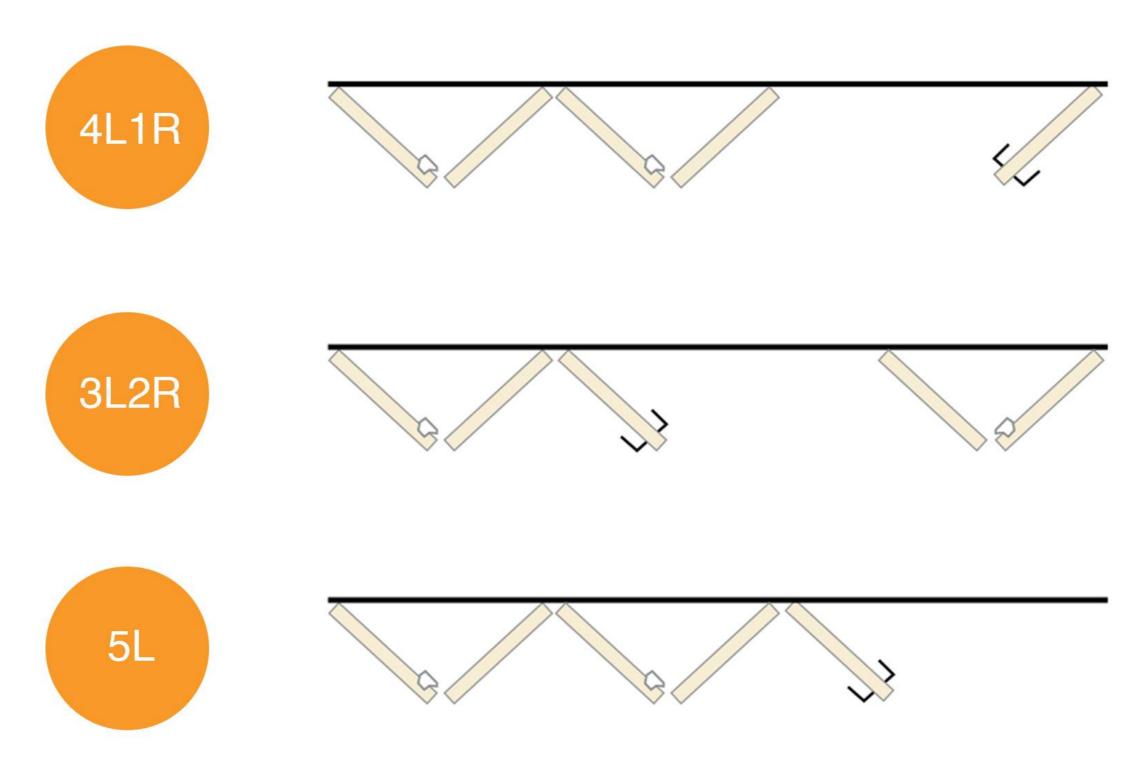


Summarize door selection and panel configurations and how this helps determine the most appropriate system and application for the project.

FOLDING DOOR PANEL CONFIGURATION



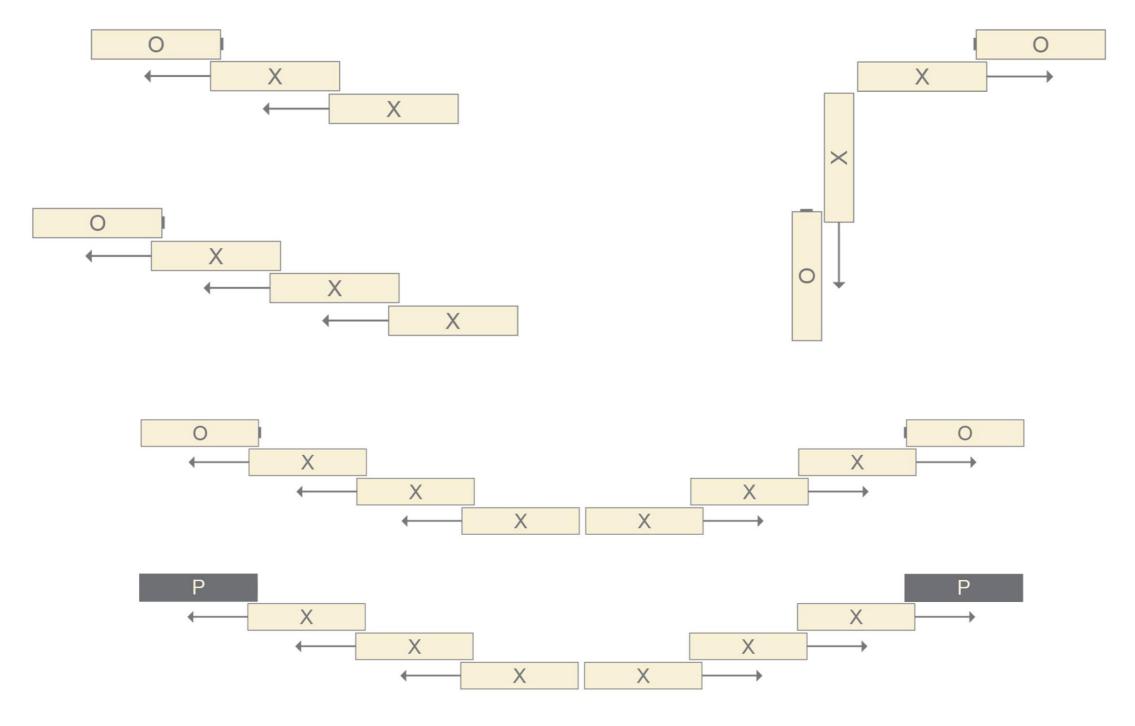
FOLDING DOOR PANEL CONFIGURATION



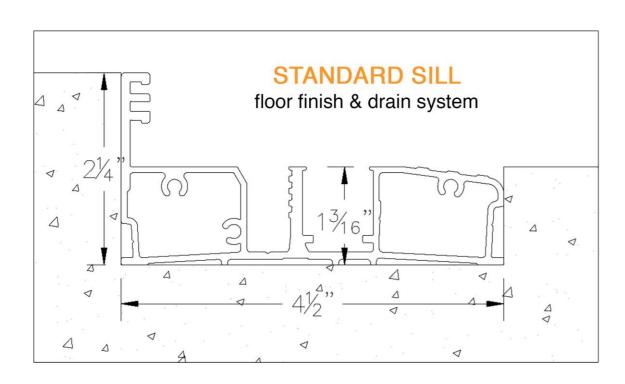


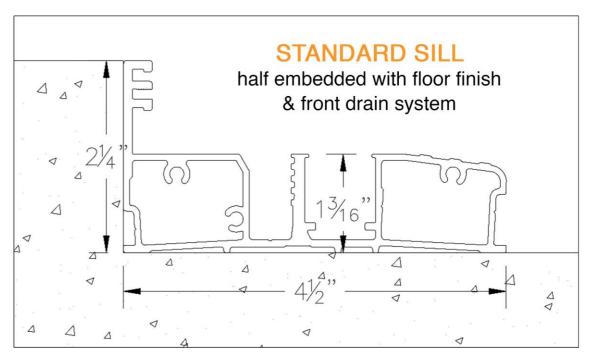
SLIDING DOOR PANEL CONFIGURATION

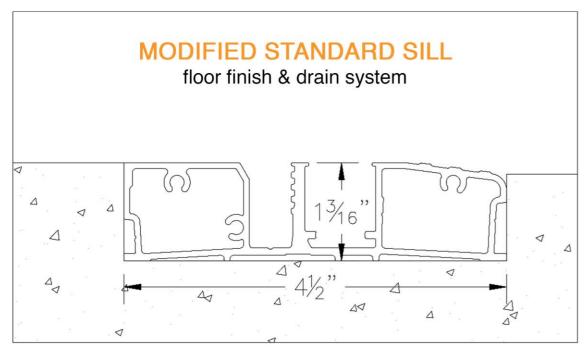
O= Fixed Panel X = Active Panel

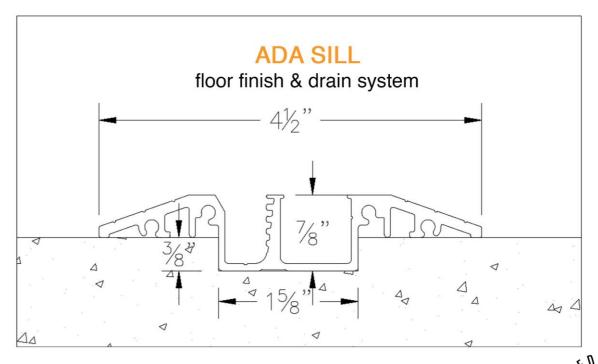


FOLDING DOOR SILL OPTIONS



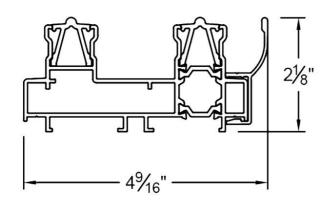


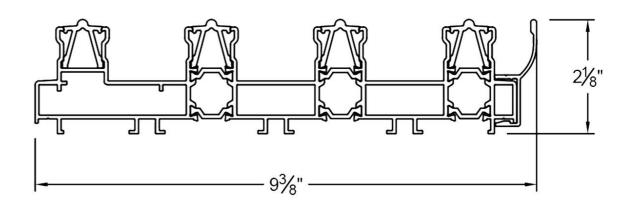


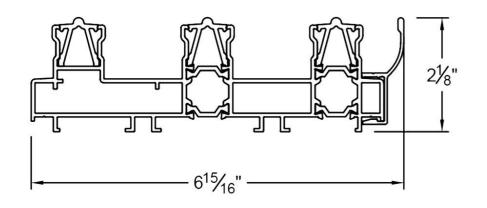


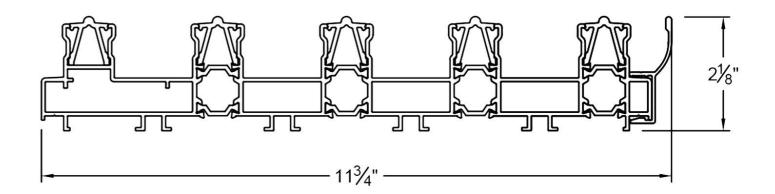
SLIDING DOOR TRACK OPTIONS

The Euro Vista Slide comes in a 2 track, 3 track, 4 track or 5 track configuration.

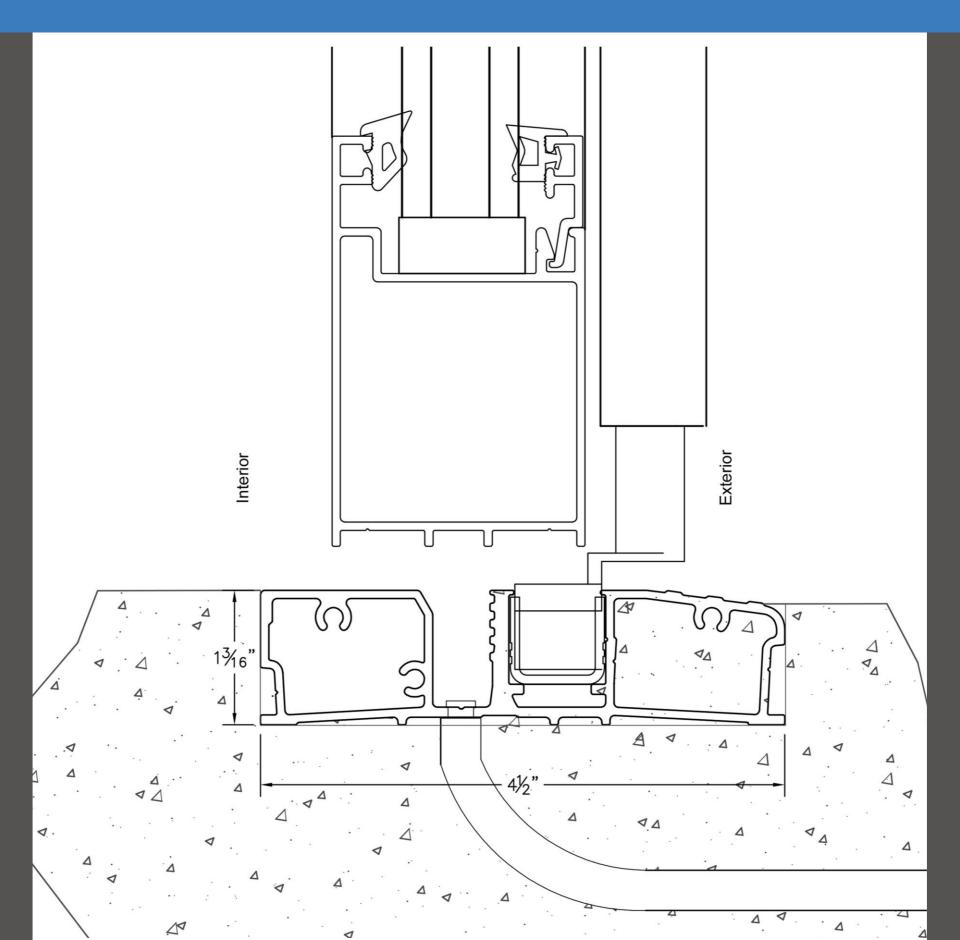






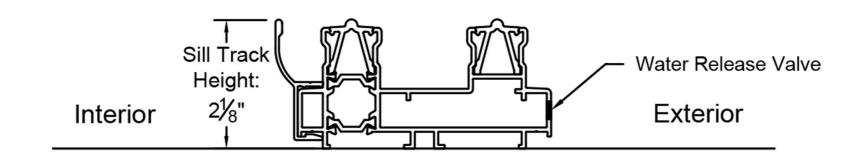


MODIFIED STANDARD SILL DRAIN

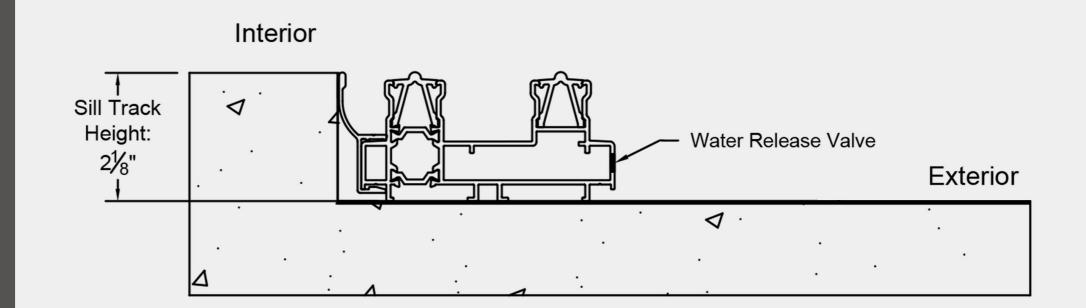


SLIDING DOOR SILL OPTIONS

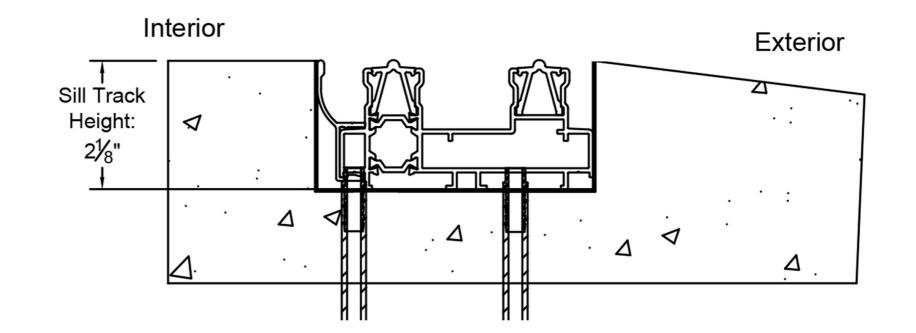
TOP MOUNT



HALF EMBED

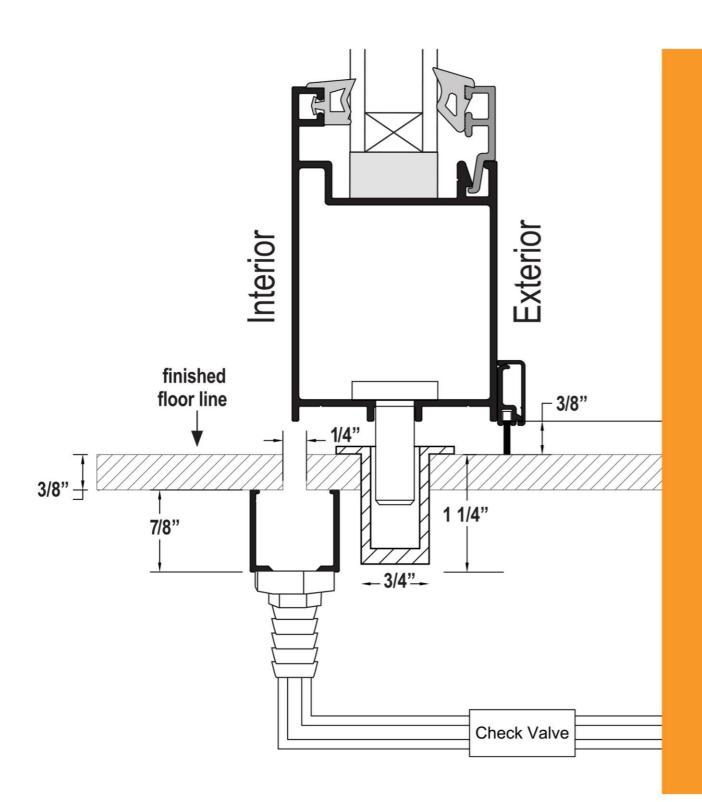


FULL EMBED





PIVOT DOOR DRAINAGE OPTION



OPTIONAL DRAINAGE SYSTEM

Euro-Wall offers an optional water management system that allows water to drain away from the pivot door location.

NOTE: This is a non water rated door in the state of Florida.

OVERHANG

Overhang for exterior pivot doors requires that the angle between the edge of overhang to the finish floor of the door be less than a 45 degrees. Additionally, if the pivot door is 10' tall the overhang needs to be at least 10' long if the overhang starts right at the header of the door system. If the pivot door is 10' tall and the overhang begins 2' above the door header, the overhang length will need to be door height (10') + space between header and overhang (2') - in this example equaling 12'.

This Concludes The American Institute of Architects Continuing Education Systems Course



FOLDING | SLIDING | STACKING | PIVOT

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Joe Sasson

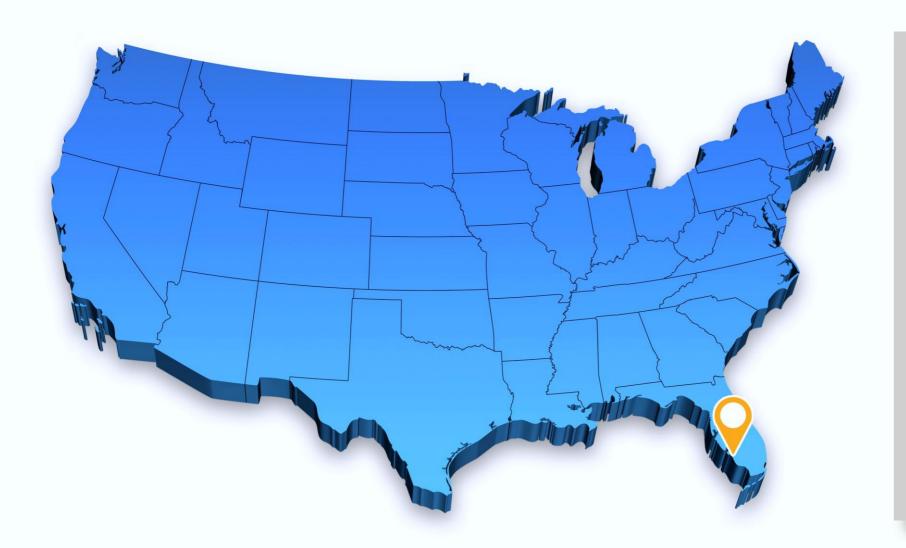
954.610.2572 • joe@euro-wall.com



EURO-WALL SYSTEMS

Superior by Design

Euro-Wall, founded in Florida, specializes in manufacturing custom fenestration products that meet the stringent Florida building codes for high velocity winds and protect against the damage caused by wind blown particles during hurricanes and and other storm and high wind conditions.



Euro-Wall System door products are European inspired and American made. Euro-Wall was founded on the principles of creating innovative products that are superior by design using materials and labor force here in the USA.

COMPANY OVERVIEW

Superior by Design

Whether a residential or commercial application, our Florida Product Approved folding door systems have higher load capacities, stronger panels and more glass and door options than any other competitor. This versatility has made us a great choice for architects, builders and homeowners when choosing large opening folding, sliding and stacking door systems.

RESIDENTIAL

Multifamily Living Area

Dining Area Pool Areas

Patios Remodels

COMMERCIAL

Restaurants

Hotels

Retail

Office Spaces

Automotive

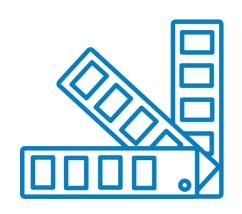
Recreation

Sporting Venues

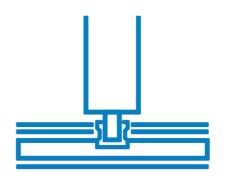
Education

Religious

Health Care



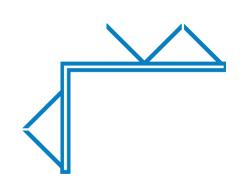
Kynar Finishes Standard



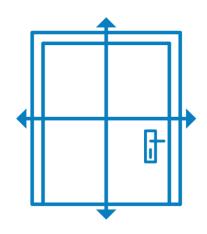
Flush & Low Profile Sill Options



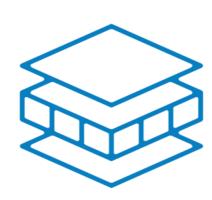
Built for Coast to Coast



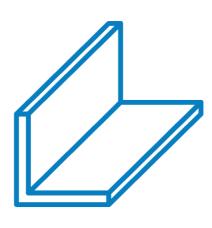
Custom Layout Options



Largest Heights & Width Available



Wood & Aluminum Cladding Options



Superior Architect Grade Materials



Industry Leading 10 Year Warranty

FORM

FUNCTION

Beauty in Open Spaces

Architect Grade

Euro-Wall door systems eliminate the barriers separating indoor and outdoor spaces by providing uninterrupted views and create interior transitions that will fit seamlessly into your residential or commercial project. Our modern design and variety of options allow control over achieving the aesthetics of the space. From custom coated aluminum and countless clad combinations, there are no limitations that mean greater freedom in design.

Euro-Wall manufactures folding, sliding, stacking and pivot door systems that are elegantly classic and also provide unsurpassed performance. Euro-Wall door systems feature the industry's largest panel opening heights and widths in almost every category which operate with ease. Euro-Wall's architectural grade door systems provide both impact rated and thermally broken options to outperform in coastal and other weather challenged climates.



Top Down Cross Section View Less than 1" The Euro Vista Multi Slide™ interlock (where the panels join when the door system is closed) has a PROFILE WIDTH OF LESS THAN 1". This provides the largest uninterrupted view on the market for any impact rated multi slide door system.



White, Brushed Satin, Bronze,

Black or Custom

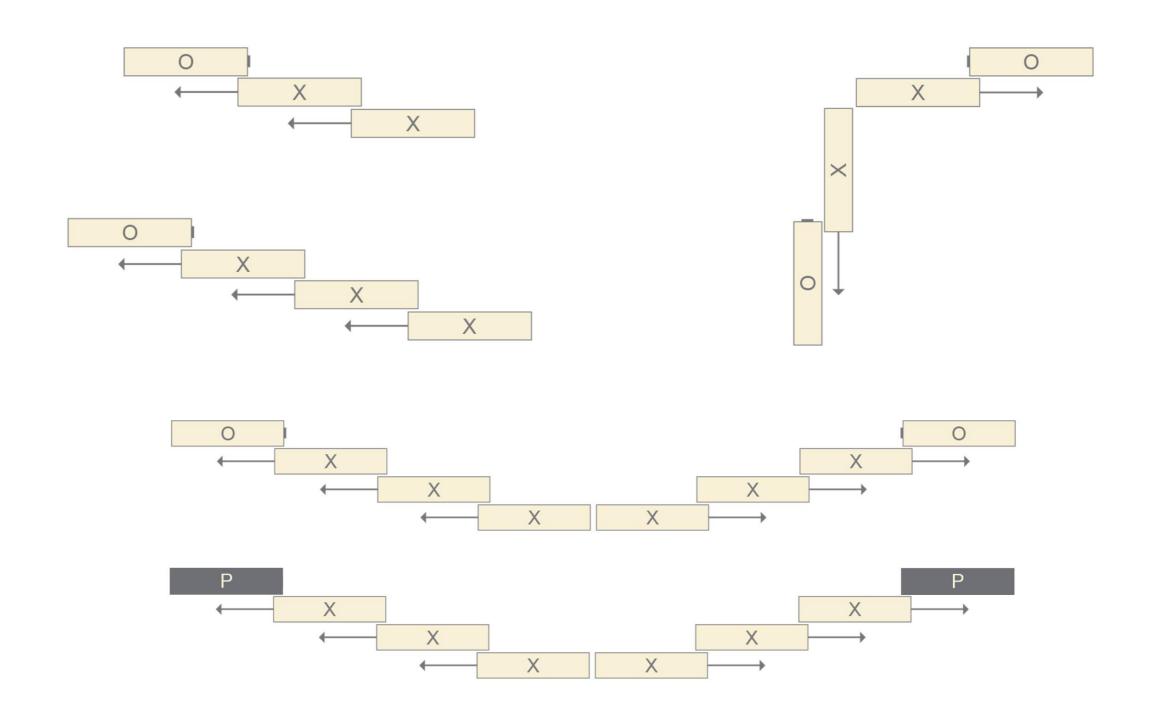
Polished Stainless Steel,

Brushed Satin, Black or Custom

Clear Anodized, White, Bronze,

Black or Custom

Sliding Panel Configuration Options



EURO-WALL VISTA MULTI SLIDETM

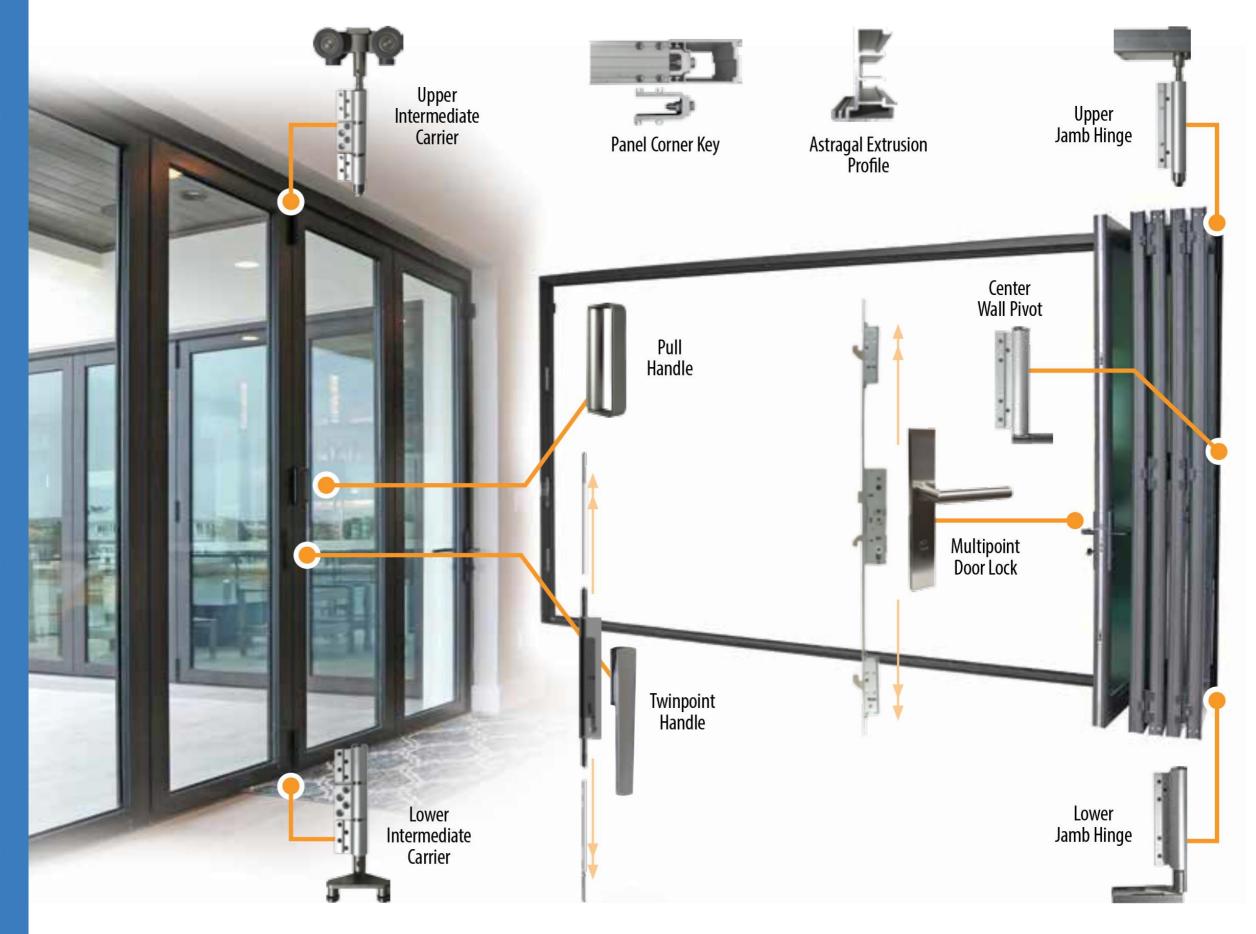
Allowable Design Pressures by Panel Size (± psf)

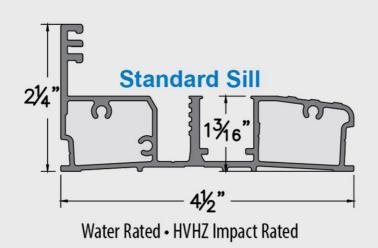
Panel Width (Inches)

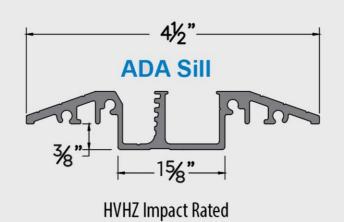
		30	32	36	40	44	48	52	56	60	66	72	78	84	90	96
	72	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	78	70	70	70	70	70	70	70	70	70	70	70	70	70	70	48.1
	84	70	70	70	70	70	70	70	70	70	70	70	70	70	51.3	48.1
	90	70	70	70	70	70	70	70	70	70	70	70	70	55	51.3	48.1
	96	70	70	70	70	70	70	70	70	70	70	70	55	55	51.3	48.1
	102	70	70	70	70	70	70	70	70	70	70	55	55	55	51.3	48.1
ָר בּי	108	70	70	70	70	70	70	70	70	70	70	55	55	55	51.3	
	114	70	70	70	70	70	70	70	70	70	55	55	55	55		
•	120	70	70	70	70	70	70	70	70	70	55	55	55	55		
	126	70	70	70	70	70	70	70	64.2	55	55	51.6	48.8			
	132	70	70	70	70	68.6	63.4	61.2	55	55	55	44.3				
	138	70	70	70	65.3	59.8	55.2	53.3	54.3	51.2	47.4	38.4				
	144	70	70	63.3	57.3	52.4	48.4	45.7	41.3	38.9	35.9					

Panel Height (Inches)

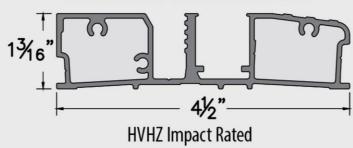








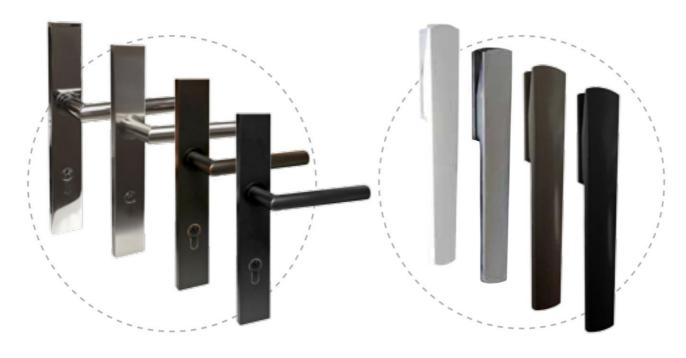
Modified Standard Sill



MULTIPOINT LOCK HANDLE

TWINPOINT

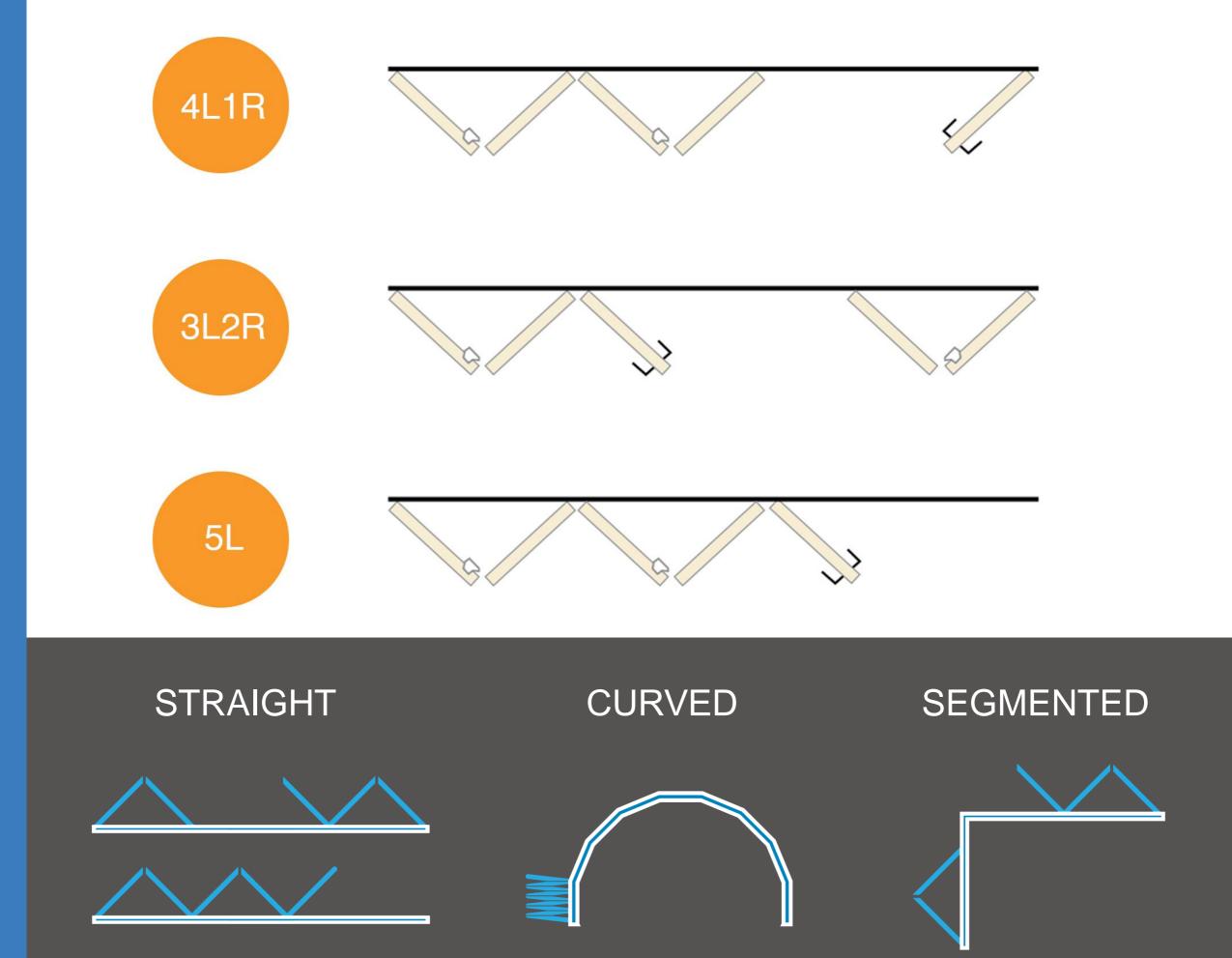
HINGES / HARDWARE



AVAILABLE FINISHES
Polished Stainless Steel,
Brushed Satin, Bronze or Black

AVAILABLE FINISHES
White, Brushed Satin, Bronze,
Black or Custom

AVAILABLE FINISHES White, Brushed Satin, Bronze or Black



EURO-WALL VISTA FOLDTM

Allowable Design Pressures by Panel Size (± psf)

Panel Width (Inches)

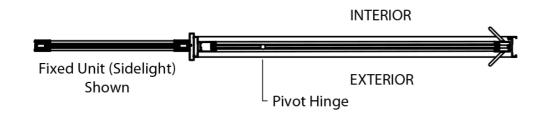
		20	24	28	32	36	40	44	48	52
	72	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	75.0
	78	100.0	100.0	100.0	100.0	100.0	100.0	100.0	75.0	75.0
	84	100.0	100.0	100.0	100.0	100.0	100.0	100.0	75.0	+60/-65
es)	90	100.0	100.0	100.0	100.0	100.0	75.0	75.0	+60/-65	+60/-65
Height (Inches)	96	100.0	100.0	100.0	100.0	100.0	75.0	+60/-65	+60/-65	+60/-65
ht (I	102	100.0	100.0	100.0	93.2	75.0	75.0	+60/-65	+60/-65	
łeig	108	75.0	96.9	83.7	75.0	75.0	+60/-65	+60/-65		
Panel	114	75.0	77.9	75.0	75.0	75.0	+60/-65	+60/-65		
Pai	120	75.0	75.0	75.0	72.9	+60/-65	+60/-61.6			
	126	75.0	75.0	68.0	62.2	55.7	50.5			
	132	75.0	65.4	58.6	51.5	46.1				
	138	68.0	56.9	49.0	43.1	38.5				
	144	57.3	47.9	41.2	36.3					

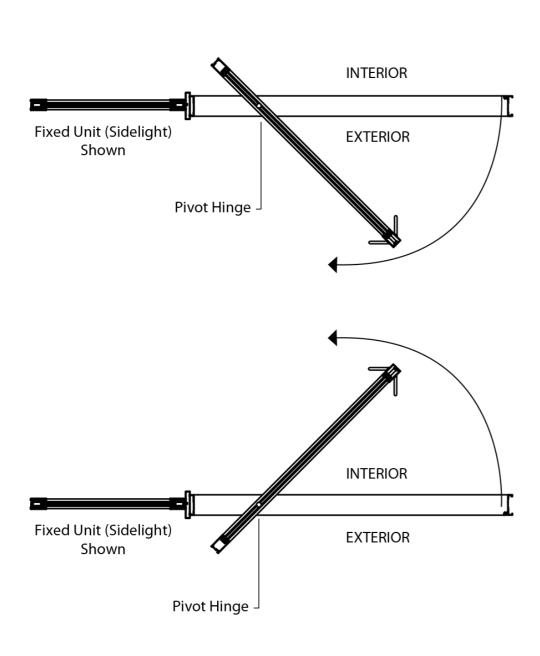
FL PRODUCT APPROVAL 17838

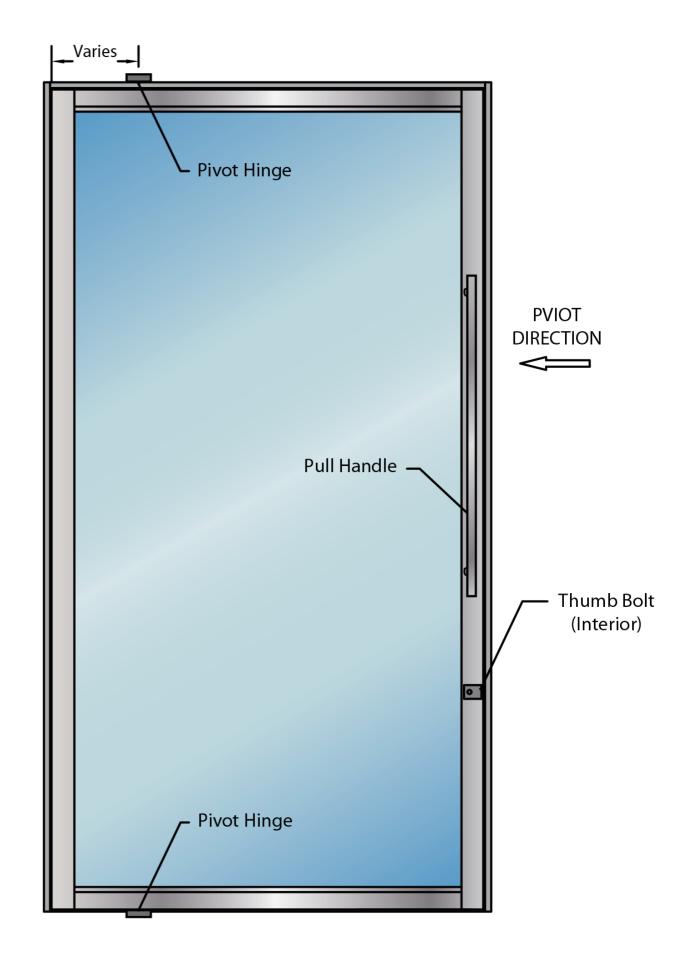
Note: Applies to both inswing and outswing configurations, segmented and radius installations.

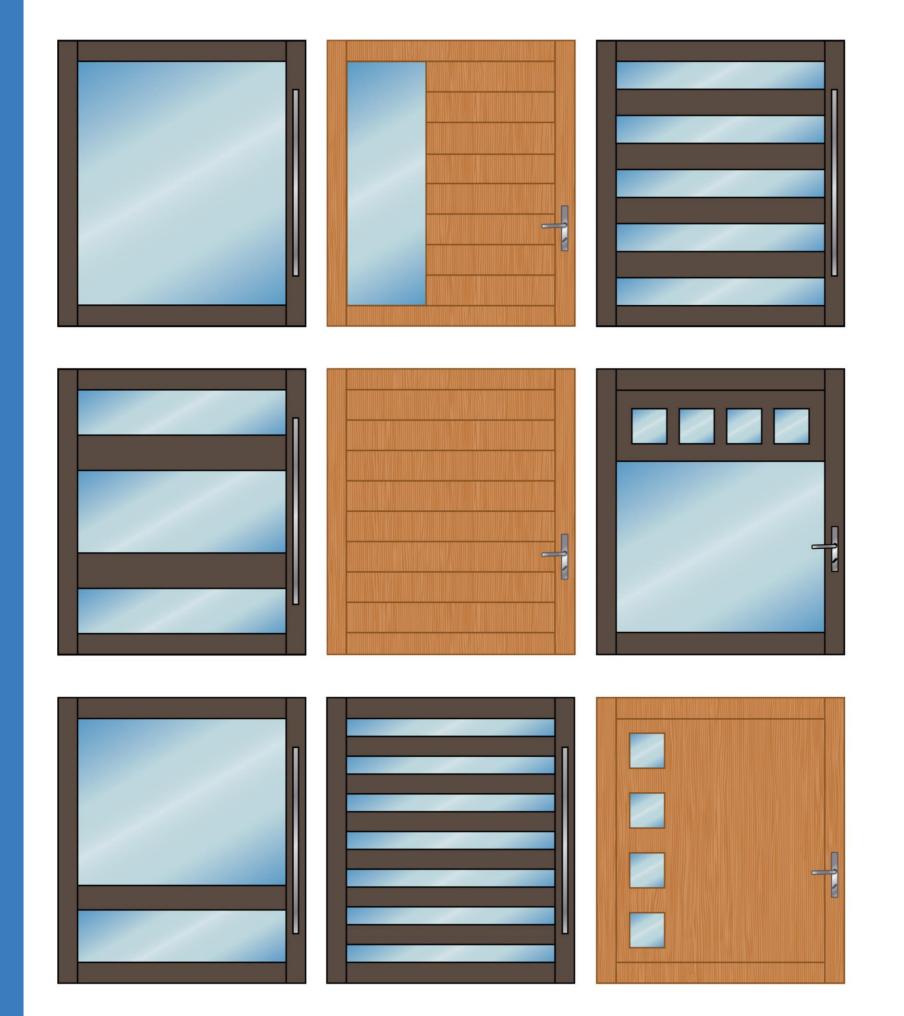


TOP VIEW - Horizontal Cross Section











MULTIPOINT LOCK HANDLE

AVAILABLE FINISHES Polished Stainless Steel, Brushed Satin, Bronze or Black



AVAILABLE FINISHES
Polished Stainless Steel, Brushed
Satin, Bronze, Black or Custom

EURO-WALL VISTA PIVOTIM

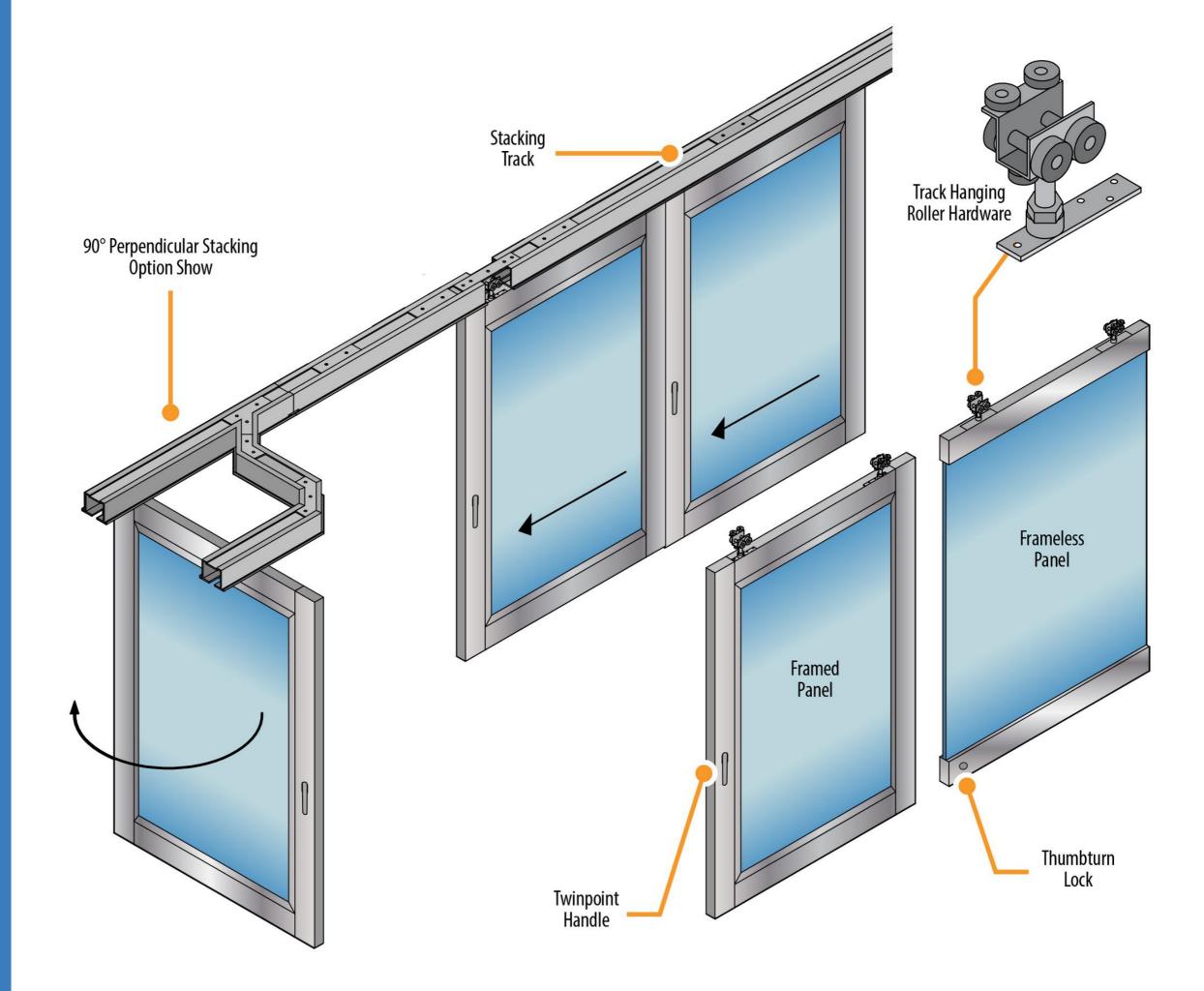
Allowable Design Pressures by Panel Size (± psf)

Panel Width (Inches)

		40	44	48	50	56	60	66	69.5	72
	72	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	78	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	84	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	90	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
9	96	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
. 1	102	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
, 1	108	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
1	114	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
118	8.375	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.5
1	120	60.0	60.0	60.0	60.0	60.0	60.0	58.8		
1	126	60.0	60.0	60.0	60.0	54.6	51.6			
1	132	60.0	60.0	51.5	49.7	45.0	42.5			
1	138	60.0	50.8	43.0	41.4	37.5				
1	144	60.0	42.7	36.1	34.8	31.4				

Panel Height (Inches)



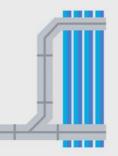


The Euro Vista Stack™ allows all of the visible panels to be stacked to one side or two sides of a door opening allowing for a maximum uninterrupted view. In addition to our standard parking options (90° perpendicular, parallel and 135° Perpendicular), Euro-Wall can consult with you about custom parking configurations.

Parallel Stacking



90° Perpendicular Stacking



135° Parallel Stacking





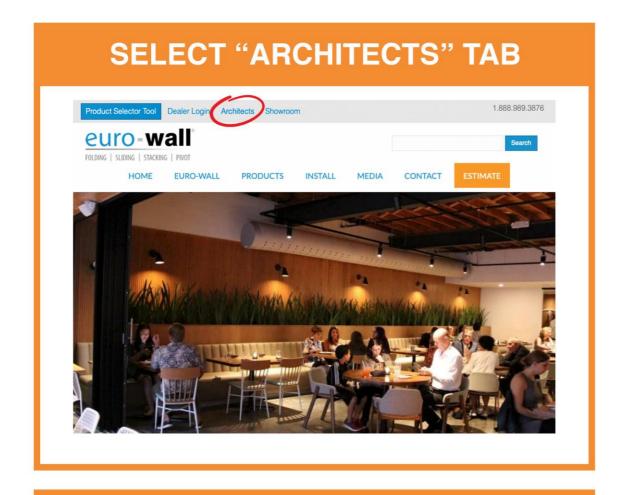


AVAILABLE FINISHES
Brushed Satin, Bronze
or Black

TWINPOINT

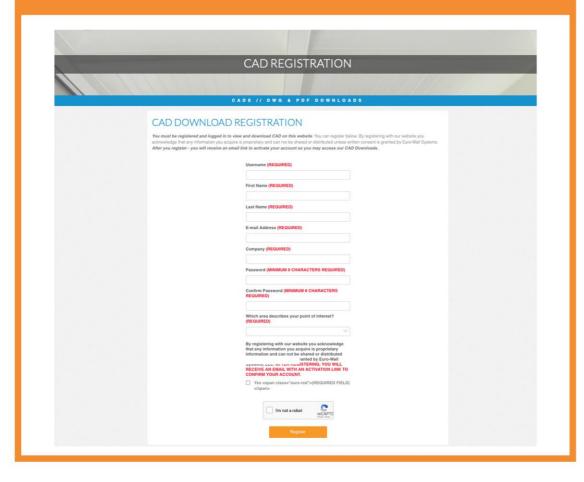


AVAILABLE FINISHES
White, Brushed Satin,
Bronze or Black



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