

# Windscreen and Pool Fencing Systems

CRL®



# CRL WINDSCREEN AND POOL FENCING SYSTEMS



## P4-6



### CRL Frameless Windscreen Clamp and Base Shoe Systems

Frameless Glass Windscreen Clamp System is used for windscreens or pool deck surrounds creating a windscreen that minimizes distractions from vertical or horizontal frame members. They are designed to support 1/2" (12 mm) glass.

Frameless Windscreen Base Shoe System is used for windbreaks, pool decks, and glass fencing surrounds. CRL has multiple profiles to select from for monolithic and laminated tempered glass.

## P7



### CRL Dry Glazed TAPER-LOC® Glass Railing System

The TAPER-LOC® Glass Railing System works with laminated and monolithic tempered glass railing and windscreen applications.

The TAPER-LOC® System reduces installation time by up to 50 percent, supports all mounting methods, and is designed to meet and exceed code standards.

## P8-9



### CRL AWS Aluminum Windscreen System

The AWS Aluminum Windscreen System provides an attractive, maintenance-free glass wall that will enhance any residential or commercial application. All AWS Systems can be used in conjunction with a concrete slab, block wall or individual footings.



## P10-11

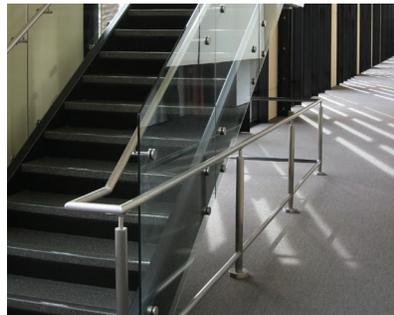


### CRL Gate Systems, Gate Hardware and Picket Fencing

Your choice of gate designs range from swing gates to customized automatic or manual gates. CRL Gates can accommodate standard, electronic or remotely operated locksets, as well as a variety of opening mechanisms.

We provide a large selection of hardware for the fabrication and mounting of attractive and secure gate systems. All hardware is designed to provide smooth operation and look good while doing it.

## P12



### CRL GRS, P-Series, SRS and ARS Railing Systems

GRS Glass Railing Systems are designed to provide an attractive 'all-glass' frameless look to view-oriented residential or commercial projects.

P-Series Post Railing Kits combine the durability of stainless steel components with innovative designs and engineering.

Standoff Railing Systems offer the ability to create custom railings that will address project-specific criteria.

Aluminum Railing Systems are manufactured from extruded aluminum framing members, that can accommodate tempered glass, aluminum pickets, cast infills, and stainless steel cable.

## P13-14



### CRL Cielo and Metropolis Post Windscreen Systems

The CRL Cielo Post Windscreen System features slim 3-1/4" front trim and 4-1/2" post depth that delivers optimal structural performance while producing virtually unobstructed views.

With an ultra-slim 3/4" face trim, the CRL Metropolis Post Windscreen System produces expansive glass spans. Its purposeful, low-profile aesthetic lets the view take center stage while providing needed wind protection and safety.

# CRL WINDSCREEN AND POOL FENCING SYSTEMS



AFWC1

CRL Windscreen Clamps in Polished Stainless

## CRL Frameless Windscreen Clamp System

- Also Known as Spigots
- Gives a Frameless 'All-Glass' Look
- Great for Pool Fencing, Balcony and Deck Applications
- Available in Two Standard Architectural Finishes
- 316 and 2205 Duplex Marine Grade Stainless Steel
- For 3/8", 1/2" Monolithic and 9/16" Laminated Tempered Glass

Our Frameless Windscreen Clamps provide a break from the wind using a frameless approach. No vertical posts are used between the panels of glass.

They are intended for use with tempered or laminated glass panels, which requires drilled holes on which to fasten the Clamps. 316 alloy stainless steel construction provides superior weather resistance. There are two models made of Duplex 2205 Marine Grade Stainless for installations within one mile of saltwater environments.

Core, side, and new surface mount models give you installation options. All models are available in a brushed stainless finish, and some are also available in a polished finish.



AFWC4SBS



CRL One-Piece Clamps, (AFWC1) are designed for insertion in core-drilled holes in a deck or on top of a wall. Glass fabrication requires two 3/4" (19 mm) holes per Clamp. Height: 9-13/16" (250 mm).

## CRL Windscreen Clamps (Spigots)

### One-Piece Core Mount Clamp

- 1-3/16" (30 mm) Rod Easily Inserts Into Core-Drilled Hole
- 316 Grade Stainless Steel



CAT. NO.	HEIGHT	FINISH
<b>AFWC1</b>	9-11/16" (246 mm)	Brushed Stainless Steel
<b>AFWC6</b>	9-11/16" (246 mm)	Polished Stainless Steel

### Two-Piece Side Mount Clamp

- Mounts on Face of Wall or Planter Box
- 316 Grade Stainless Steel



CAT. NO.	HEIGHT	FINISH
<b>AFWC2</b>	5-5/8" (143 mm)	Brushed Stainless Steel
<b>AFWC7</b>	5-5/8" (143 mm)	Polished Stainless Steel

### Three-Piece Core Mount Clamp

- 5/8" (16 mm) Rod Easily Inserts Into Core-Drilled Hole
- 316 Grade Stainless Steel



CAT. NO.	HEIGHT	FINISH
<b>AFWC3</b>	8-1/8" (206 mm)	Brushed Stainless Steel
<b>AFWC8</b>	8-1/8" (206 mm)	Polished Stainless Steel

### Round Core Mount Friction Fit Spigot

- For Use in Core Drilled Holes
- Friction Fit, Suitable for 1/2" (12 mm) Tempered Glass
- 2205 Duplex Stainless Steel



CAT. NO.	HEIGHT	FINISH
<b>FWCR12BS</b>	7-15/32" (185 mm)	Brushed Stainless Steel
<b>FWCR12PS</b>	7-15/32" (185 mm)	Polished Stainless Steel

### Square Surface Mount Friction Fit Spigot

- 2205 Duplex Stainless Steel



CAT. NO.	HEIGHT	FINISH
<b>FWCS22BS</b>	6-19/64" (160 mm)	Brushed Stainless Steel
<b>FWCS22PS</b>	6-19/64" (160 mm)	Polished Stainless Steel

### One-Piece Low Profile Surface Mount Clamp

- Easy to Install Surface Mount Design
- 316 Grade Stainless Steel



CAT. NO.	HEIGHT	FINISH
<b>AFWC4SBS</b>	7-1/16" (179 mm)	Brushed Stainless Steel
<b>AFWC4SPS</b>	7-1/16" (179 mm)	Polished Stainless Steel

### One-Piece Beveled Surface Mount System

- Easy to Install Surface Mount Design
- 316 Grade Stainless Steel



CAT. NO.	HEIGHT	FINISH
<b>AFWC1SBS</b>	9-11/16" (206 mm)	Brushed Stainless Steel
<b>AFWC1SPS</b>	9-11/16" (206 mm)	Polished Stainless Steel

### CRL Garnish Rings for Windscreen Clamps

- Garnish Rings Easily Slip Over Clamps



CAT. NO. **AFWC1G**

CAT. NO. **AFWC3G**

### CRL U-Channel Caps

- Stainless Steel Cap for 1/2" or 5/8" Top Edge of Glass



CAT. NO. **GRUC5BS10**

CAT. NO. **GRL10BS**

# CRL WINDSCREEN AND POOL FENCING SYSTEMS

## CRL Frameless Base Shoe System

- Great for Glass Windbreaks, Pool Enclosures, Perimeter Fencing, Sound Barriers, and Balconies
- Unique Designs That Allow Completely Unobstructed Views
- Designed and Engineered to Meet the Strictest Codes
- Custom Fabrication is Also Available to Meet Your Specifications

## CRL Base Shoe Profiles

- Drilled and Counter Bored Base Shoes for Monolithic and Laminated Tempered Glazing
- Typically Used as the Base Channel for Glass Windscreen or Railing Systems
- Six Architectural Finishes Available

## CRL Aluminum Base Shoes

- Choices Available for Various Glass Thicknesses



8B Base Shoe Windscreen in Brushed Stainless



Series W5B  
3/8" (10 mm) Monolithic



Series B5A  
1/2" (12 mm) Monolithic



Series 8B10  
1/2" (12 mm) Monolithic



Series B5T  
1/2" (12 mm) Monolithic



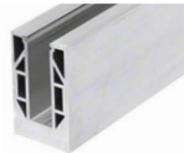
Series 9BL68  
11/16" (15mm) Laminated



Series W7B  
3/4" (19 mm) Monolithic



Series 8B34  
3/4" (19 mm)  
Monolithic



Series 9BL56  
9/16" (14.3 mm)  
Laminated



Series 9BL21  
27/32" (21.52 mm)  
Laminated



Series L25S  
1-1/16" (25.52 mm)  
Laminated

Aluminum Base Shoes are used as the base channel for glass railing systems and frameless glass windscreen systems. There are ten distinct series to accommodate monolithic tempered and laminated glass in various thicknesses from 3/8" to 1-1/16".

In typical glass pool surrounds monolithic is the glass of choice. But in situations where the glass panels are elevated above pedestrian areas, such as in shopping plazas or on balconies, the use of laminated glass is recommended to prevent broken pieces from falling to lower levels.

Base Shoes support both dry glazed and wet glazed installation methods, CRL offers all of the tools and supplies required to make a safe and successful installation.

Stock Base Shoes are available pre-drilled and counter bored, or in un-drilled lengths that can be custom fabricated to your exact job requirements. Accessory cladding is available in six beautiful architectural finishes, or you can specify custom powder-coated paint in hundreds of colors.

## Available Base Shoe Accessories



Base Shoe Cladding



Mitered Corner Cladding



Base Shoe End Caps



Roll In Vinyl

## CRL Dry Glazed TAPER-LOC® Glass Railing System



TAPER-LOC® Glass Railing with HRS Handrails

- Now in Three Taper Designs Using Monolithic Tempered Glass and Laminated Tempered Glass
- Dry Glazing Means Installation Time is Reduced By 50%
- TAPER-LOC® Meets Code Standards

The innovative Dry Glazed TAPER-LOC® Glass Railing System is designed for residential and commercial applications. This system works with laminated and monolithic tempered glass railing and windscreen applications.

TAPER-LOC® Tapers are simply installed with CRL's exclusive TLK12 Installation/Removal Tool. This tool mechanically slides the Tapers horizontally and compresses them together to secure the glass in the aluminum base shoe without the use of messy wet cement. When compressed, they expand in thickness and lock in place.

The CRL TAPER-LOC® System reduces installation time by up to 50%, supports all mounting methods, and is designed to meet code standards



Installation Labor Time Reduced By 50%

- Step 1 - Place the TAPER-Loc® Tapers into base shoe finger tight
- Step 2 - Place the TAPER-Loc® Installation Tool into position
- Step 3 - Tighten the TAPER-Loc® components using our integrated Torque Wrench

## TAPER-LOC® Taper Sets for Monolithic Tempered and Laminated Tempered Glass



**CAT. NO. TL5X10**  
for 1/2" (12 mm) and 3/4" (19 mm)  
Monolithic Tempered Glass

## Special Tools Reduce Installation Labor Time By 50%



CRL TAPER-LOC®  
Installation/Removal Tool Kit,  
**CAT. NO. TLK12**



CRL PAL Plumb/Angle/Level Locator Kit  
**CAT. NO. PAL1K**

# CRL WINDSCREEN AND POOL FENCING SYSTEMS

## CRL AWS Aluminum Windscreen System

- Accepts 1/4" to 1/2" (6 to 12 mm) Thick Glass for the Creation of Attractive and Functional Glass Barriers
- Seven Standard Colors Available in Stock. Custom Colors Also Available

The AWS Aluminum Windscreen System provides an attractive, maintenance-free glass wall that will enhance any residential or commercial application. All AWS Systems can be used in conjunction with a concrete slab, block wall or individual footings. CRL can design, engineer, and fabricate custom systems that meet project specific requirements.



AWS Aluminum Windscreen in Sky White Gloss

**Visual Appeal** - The AWS System provides a clean look and virtually unobstructed views.

**Maintenance** - The AWS System requires little maintenance. All components are specially coated to fight corrosion and ensure that it will look great for many years.

**Flexibility** - The AWS System can be installed on slopes, steps, and curves. In addition, the system is ideal for pool areas, decks, and balcony applications. This system can be installed during any phase of construction, allowing the builder or contractor important scheduling flexibility.

**Integrity** - The AWS System has been designed to provide protection in high wind conditions. All glass installed must be tempered to meet safety requirements and building codes.



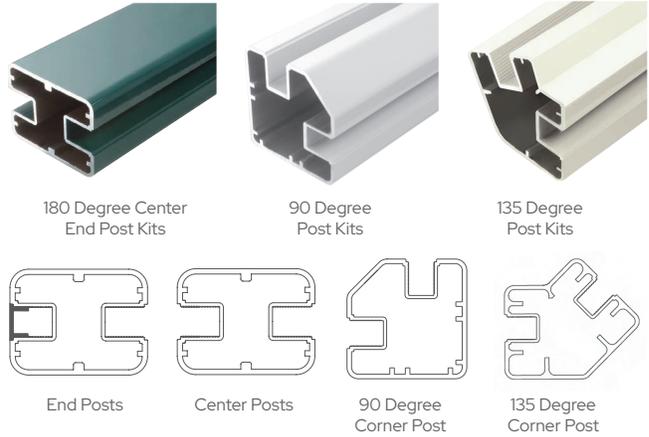
Custom lengths and mounting options available

## CRL AWS Aluminum Windscreen System



Custom Fascia Mounted AWS Aluminum Windscreen

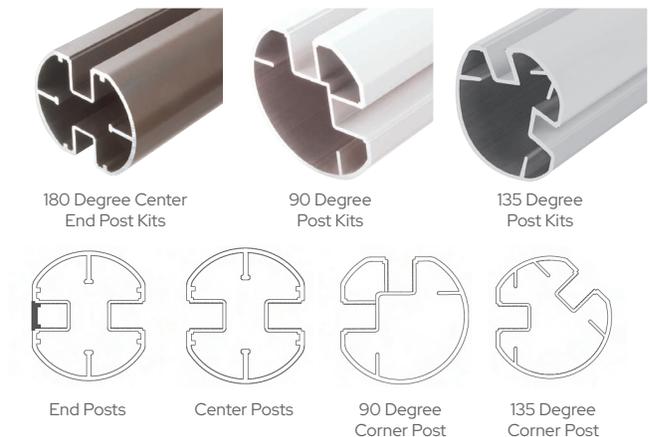
### 2" x 2-5/8" (50.8 x 66.7 mm) Rectangular Aluminum Windscreen Post Profiles



The AWS Aluminum Windscreen System keeps all aluminum out of contact with concrete. The lime in concrete is very corrosive to aluminum, and over time will degrade the physical properties of the components. The AWS System utilizes a painted steel embedment that supports the vertical post and helps prevent corrosion. An added benefit of the steel embed is that the contractor can install the steel components early in the construction process, then install the posts later when the chances of damage by other trades is reduced.

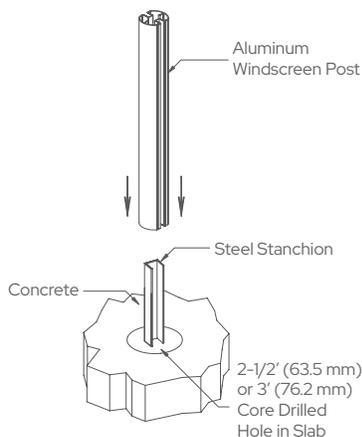
The AWS System is designed to be a windscreen that is aesthetically pleasing. Because of the great design and the interaction with the steel insert, AWS has enhanced structural properties, allowing for increased height and span capabilities.

### 3" (76.2 mm) Round Aluminum Windscreen Post Profiles

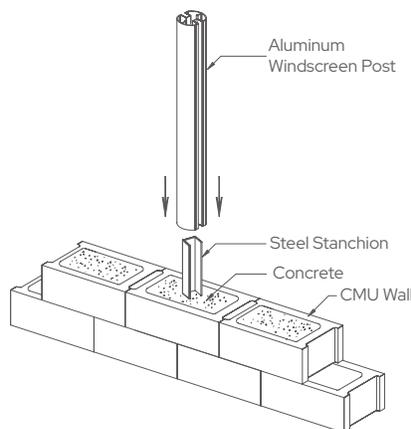


## Typical Mounting Options

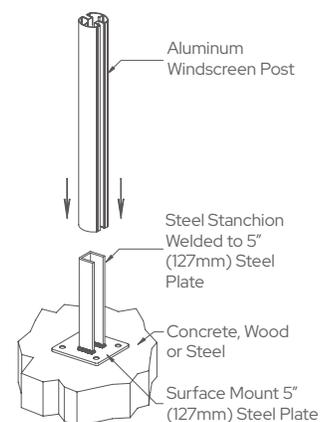
### Core Mounted Installation for a Concrete Slab



### Core Mounted Installation for CMU Block Walls



### Surface Mounted Installation for Concrete Slab



# CRL WINDSCREEN AND POOL FENCING SYSTEMS

## CRL Gate Systems

- Cap Railing and Aluminum Gate Systems Can Be Custom Fabricated to Project Needs
- Designs for Pool Surrounds, Patios, and Outdoor Dining Areas

We have the experience and the resources to create gate systems to your exact requirements that are both attractive in appearance and precise in function. These sturdy systems lend security to pool surrounds, patios, and outdoor dining areas.



AWS Double Door Gate System in Sky White Gloss



AWS Single Door Gate System in Silver Metallic

## CRL AWS Glass Gate Systems

- Many Styles of Glass Gates to choose from in Seven Standard Colors

Gates and Gate Systems are an integral part of most commercial, multi-family, and residential projects. Your choice of gate designs range from the basic swing gate to the most customized automatic or manual gate you can create. CRL Gates can accommodate standard, electronic or remotely operated locksets, as well as a variety of opening mechanisms.

## CRL Cap Rail Swinging Gate Systems

- Heavy-Duty Glass Gate With Optional Cap Rail
- Gate Can Be Adjusted In and Out at Both the Top and the Bottom

The Cap Rail Swinging Gate is designed for use with our GRS Glass Rail System. The bottom rail is widened so it matches the width of the adjacent fixed railing Base Shoe. The upper patch fitting is modified to allow for mounting to the stainless steel wall bracket and the modified Cap Rail. The top of the Gate pivots on a heavy-duty ball bearing, while the bottom pivots on a floor mounted commercial door closer. The floor closer always returns the Gate to the closed position.



Cap Rail Swinging Gate System

### Standard Finishes



Additional Color Options - CRL has over 250 quick turn custom color options with the ability to color match as well.

## CRL ARS Picket Fence and Gate Systems for Pools

- Extremely Sturdy and Maintenance Free
- Seven Standard Powder Painted Colors

Our Aluminum Railing System makes for a safe and sturdy fence for swimming pools and spas in both residential and commercial applications. Each can be custom built to exact requirements for safety while being an attractive addition to the pool enclosure.



ARS Picket Gate System in Sky White Gloss



CRL Self-Closing Gate Hinges in Matte Black

## CRL Gate Hardware

- Pivot Patches and Gate Fittings
- Gate Locks and Latches
- Hinge Mechanisms

CRL's Gate Hardware is designed to provide smooth operation and look good doing it. Our wide selection of hardware provides great versatility in aesthetics and function.

### Locks, Bolts, and Latches



### Self-Closing Hinges



### Pivots and Patch Fittings



# CRL WINDSCREEN AND POOL FENCING SYSTEMS

## CRL GRS Structural Glass Railing System



GRS Glass Rail System With Stainless Steel Cap Rail



GRS Glass Railing Systems provide an attractive 'all-glass' frameless look to view-oriented residential or commercial projects. Designed for monolithic or laminated tempered glazing, this high quality system also serves as an effective wind barrier, further enhancing the outdoor environment. CRL offers a variety of Base Shoes, Cap Rails, Cladding, and Accessories.

## CRL P-Series Post Railing System



P-Series Stainless Steel Post System With Stainless Top Rail

CRL manufactures a comprehensive selection of Post Railing Kits that combine the durability of stainless steel components with innovative engineering. These low maintenance stainless steel posts arrive ready to install.

## CRL SRS Standoff Glass Railing System



SRS Glass Rail System With Hand Rail

Featuring a contemporary minimal design. Our Standoff Railing System offers all-glass aesthetics and is easy to install. Select from a variety of styles and finishes.

## CRL ARS Aluminum Railing System



ARS Surface Mount With Glass Infills

CRL's high quality Aluminum Railing Systems are manufactured from extruded aluminum and can accommodate tempered glass, aluminum pickets, cast infills, and stainless steel cable.



200 Series

300 Series

350 Series

400 Series

Seven standard powder coated finishes from stock, and custom colors available.

## Cielo™ Post Windscreen System

- Slim 3-1/4" front trim produces unobstructed views
- Capable of handling 80 PSF wind loads
- Meets IBC 2018 and ASCE-7/16 windload requirements
- Select from 6', 7', and 8' standard post heights
- No horizontal extrusions needed
- Durable 6005-T6 aluminum construction
- Maximum height including glass: 8 feet
- Maximum space between posts: 5 feet
- End posts, center posts, and corner posts available



Cielo Post Windscreen in Matte Black



Cielo Post Windscreen in Sky White Gloss



Cielo Windscreen End Post



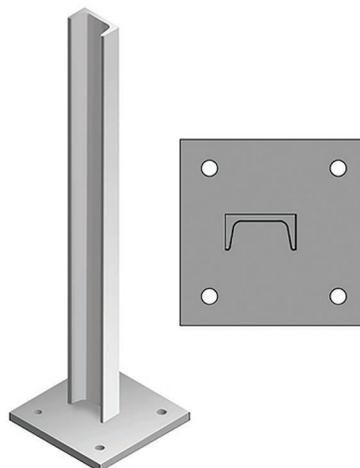
Cielo Windscreen Center Post



Cielo Windscreen Corner Post

The CRL Cielo Post Windscreen System is designed to enhance outdoor experiences by combining sought after performance and aesthetic features. A slim 3-1/4" front trim and 4-1/2" post depth delivers optimal structural performance while producing virtually unobstructed views.

As a high-performance protective glass barrier, the Cielo Post Windscreen System is capable of withstanding wind loads of up to 80 PSF. This makes it an excellent choice for commercial and residential buildings with high elevations. Applications include rooftop swimming pools, dining areas, lounges, and other high-altitude exteriors.



Cielo Windscreen Stanchions

### Features & Benefits:

The versatile CRL Cielo Post Windscreen System is available in 6-, 7-, and 8-foot standard post heights. A unique snap in system for post covers expedites installation and conceals fasteners to create a streamlined look.

### Available Finishes:

Sky White, Matte Black, Silver Metallic, Custom Powder Coat

# CRL WINDSCREEN AND POOL FENCING SYSTEMS

## Metropolis™ Post Windscreen System



- Ultra-narrow posts with 3/4" face trim
- Provides expansive glass spans
- 5" post depth enhances performance
- Meets IBC 2018 wind load requirements
- Maximum height including glass: 8 feet
- 316 grade stainless-steel construction
- Select from 5', 6', and 7' post heights

### Features & Benefits:

Metropolis is available in several post heights and configurations to provide versatility and make every installation unique. Applications include rooftops, terraces, swimming pools, outdoor dining areas, and other exteriors.

Metropolis Post Windscreen in five foot height



MET60REBS

MET60CBS

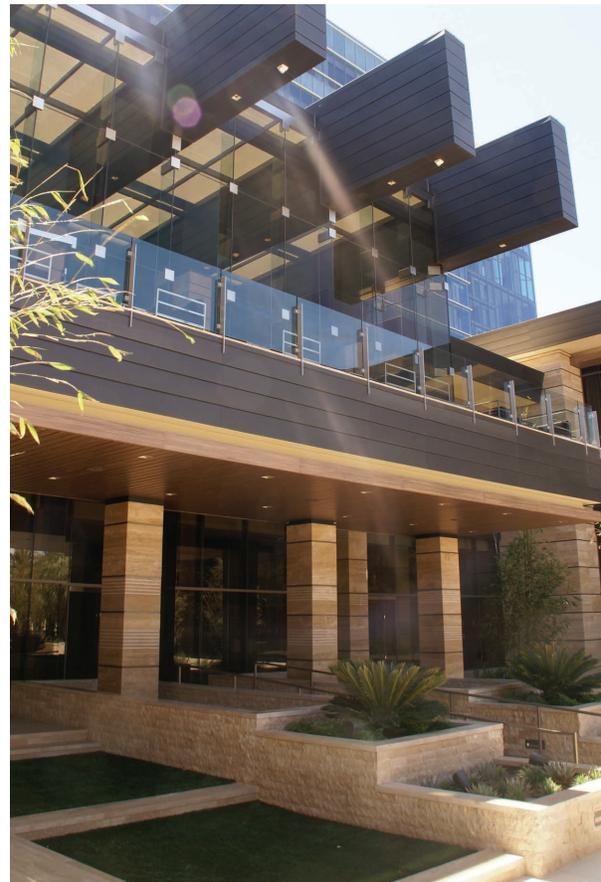
MET60LEBS

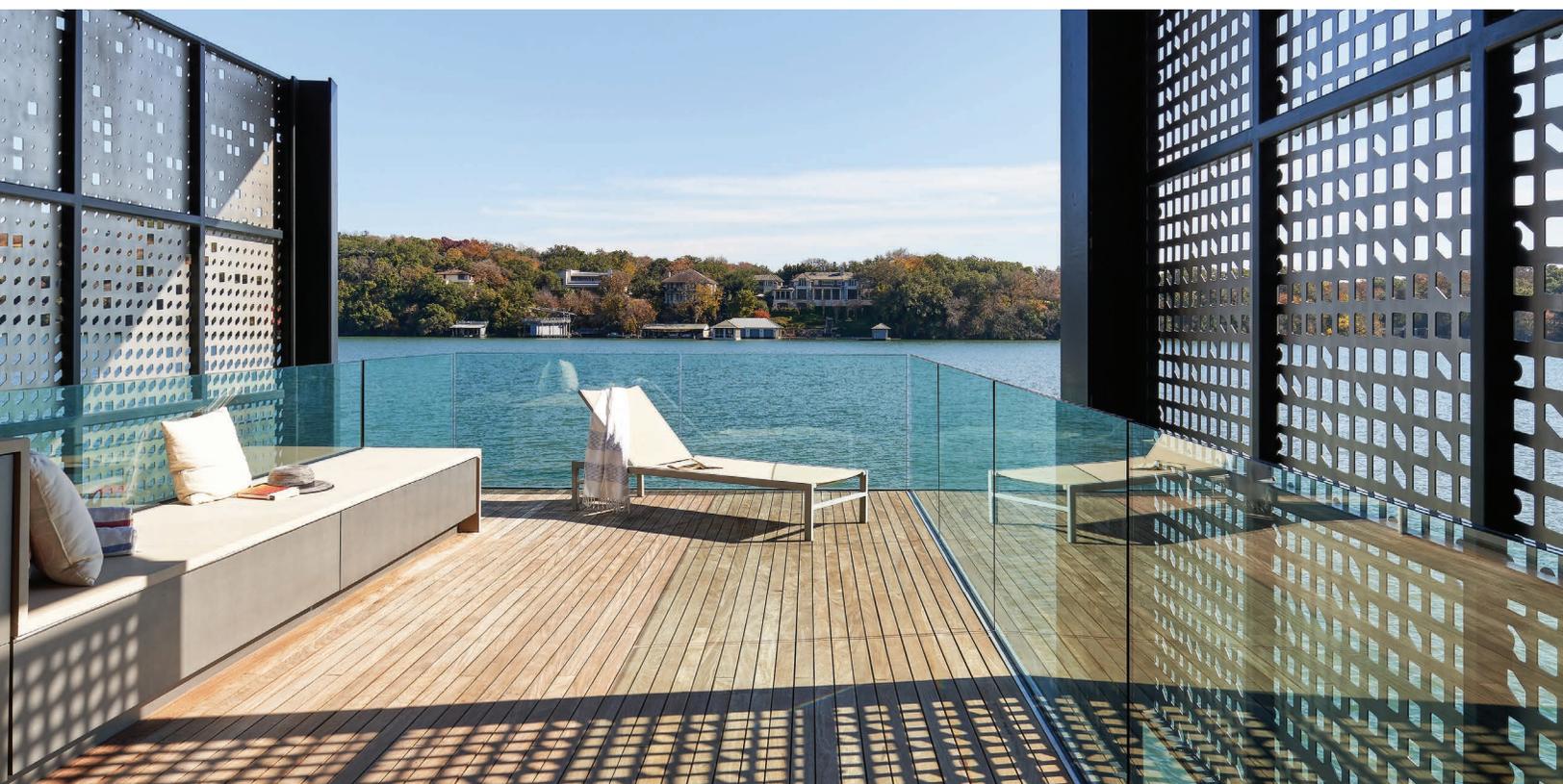


Metropolis Post Windscreen in seven foot height

With an ultra-slim 3/4" face trim, the CRL Metropolis Post Windscreen System produces expansive glass spans that deliver seamless transparency and contemporary elegance while meeting code requirements. Its low-profile aesthetic lets the view take center stage while providing needed wind protection and safety.

Metropolis meets the wind load requirements set forth in IBC 2018 and ASCE-7/16. 316 stainless steel construction adds stability and durability, which makes Metropolis well-suited for higher elevations.





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