



**SAFE AND SECURE**



A complete line of grilles and closures provide security and access control.

# Grille Applications

## Institutional, Parking, Retail

# Institutional

## Practical Design Applications:

- Airports
- Hospitals
- Government
- Arenas / Sport Complexes
- Schools and Universities
- Transportation Terminals

## Potential Requirements

- **Security** - The ability to close and lock. Perforated, slotted and solid configurations offer greater security.
- **Visibility** - The need for visual access of separated spaces. Open air, Lexan® or glass panels are available.
- **Ventilation** - Airflow between separated spaces.
- **Aesthetics of Opening** - Public areas demand a more visually pleasing product.
- **Low Headroom Conditions** - Ability to accommodate a coil at the head of the opening.
- **Egress** - A closed product opens to allow access to code required egress.
- **Quiet Operation** ■ **Curved Openings**

## Product Solutions

- **VisionAire® Open Curtain Grilles** - Provide visibility, ventilation and security.
- **VisionAire® Brick Pattern Grille** - Provide above, plus superior durability in high cycle applications.
- **VistaGuard™ Glazed Curtain Grille** - Provide security, visibility. Clear, physical barrier.
- **SentryGate® Grilles** - Open curtain grille with aesthetically pleasing, injection molded components and continuous metal rods. Quiet operation. Suitable for high cycle applications.
- **VisionGlide™ Side Folding Grille** - Provide security, visibility and ventilation in low headroom or curved conditions. Straight or brick pattern available.
- **GlideGuard™ Side Folding Grille** - The benefits of VisionGlide™ with heavy duty construction. Straight or brick pattern available.
- **VistaPane™ Side Folding Closure** - Higher level security in low headroom conditions. Perforated, Slotted, Glass, Lexan® or Solid Aluminum panels available.
- **CrossingGuard® Emergency Response Grille** - Self locking assemblies prevent forced opening of closed grille. Fully opens on fire alarm or power failure, allowing access to egress.



VisionAire® Counter



CrossingGuard® Emergency Response Grille



VistaGuard™



VistaPane™ Solid

# High Cycle Openings

## Practical Design Applications:

- Parking Garages
- Sally Ports
- Transportation Terminals

## Product Requirements

- **Cycle Life** - High Cycle units are expected to open/close more than 50 times a day and are defined as the required cycle quantity achievable in the lifetime of the product.
- **Aesthetics of Opening** - High traffic areas can demand a more aesthetically pleasing product.
- **Visibility** - The need for visual access of separated spaces.
- **Ventilation** - Airflow between separated spaces.

## Product Solutions

- **VisionAire® Brick Pattern Grille** - Provide visibility, ventilation and security plus durability in high cycle applications.
- **100,000 Cycle Life Extreme® Straight or Brick Pattern Grilles** - Provides visibility, ventilation and security plus superior durability in high cycle applications.
- **100,000 Cycle Life Extreme® SentryGate® Grilles** - In addition to visibility and ventilation, provides quieter operation with an aesthetically pleasing, appliance like design.
- **300,000 Cycle Life Extreme® Straight or Brick Pattern Grilles** - Maximum life cycle rating in two styles to meet aesthetic preferences.



Extreme® Straight with Sloped Bottom Bar



Extreme® SentryGate® Black



Extreme® SentryGate® White



VisionAire® Brick Pattern



# Solutions for Retail Applications



VisionAire®

## Practical Design Applications:

- Mall Storefronts
- Kiosk
- Mixed Use Environments
- Building Envelope
  - Exterior
  - Behind or In Front of Glass
  - Entryways
- Restricted Product Access
- Big Box Retail Outlets
- Airport Concourse Security
- Interior Applications
  - Full Height Openings
  - Counter Openings
  - Area Separation



SentryGate® Black, Counter

## Product Solutions

- **Security** - The ability to close and lock. Perforated and solid configurations offer greater security.
- **Visibility** - The need for visual access of separated spaces. Open air, Lexan® or glass panels are available.
- **Ventilation** - Airflow between separated spaces.
- **Aesthetics of Opening** - Public areas demand a more visually pleasing product.
- **Low Headroom Conditions** - Unable to accommodate a coil at the head of the opening.
- **Curved Openings**
- **Quiet Operation**



VisionGlide™

## Product Solutions

- **VisionAire® Open Curtain Grilles** - Provide visibility, ventilation and security.
- **VisionAire® Brick Pattern Grille** - Provide above, plus superior durability in high cycle applications.
- **VistaGard™ Glazed Curtain Grille** - Provide security, visibility. Clear, physical barrier.
- **SentryGate® Grilles** - Open curtain grille with aesthetically pleasing, injection molded components and continuous metal rods. Suitable for high cycle applications.
- **VisionGlide™ Side Folding Grille** - Provide security, visibility and ventilation in low headroom or curved conditions. Straight or brick pattern available.
- **GlideGard™ Side Folding Grille** - The benefits of VisionGlide™ with heavy duty construction. Straight or brick pattern available.
- **VistaPane™ Side Folding Closure** - Higher level security in low headroom conditions. Perforated, Slotted, Glass, Lexan® or Solid Aluminum panels available.



VistaPane™ Glass



VistaPane™ Slotted with Optional Emergency Egress Door



VistaGard™



VistaPane™ Perforated

# Grille Product Selection Chart

	Max Width	Max Height	Material			Cycle Life	Low Headroom	Egress
			Steel	Stainless	Aluminum			
<b>Rolling Grilles</b>								
Open: 9", 6" or 3" chain spacing	40'	20'	•	•	Standard			Optional Release
Brick Pattern	40'	20'			Standard			Optional Release
Glazed Panels	40'	14'			•			Optional Release
<b>CrossingGard®</b> Emergency Response Grille	24'	20'						Code Approved Access Control
<b>SentryGate® 3</b>	14'	10'				High		
<b>SentryGate® 4</b>	23'4"	14'				High		Optional Release
<b>High Cycle Grilles</b>								
100,000 Extreme® Straight	26'	14'		•	Standard	High		
100,000 Extreme® Brick	26'	14'			Standard	High		
100,000 Extreme® SentryGate®	23'4"	12'				High		
300,000 Extreme® Straight	26'	14'		•	Standard	Max.		
300,000 Extreme® Brick	26'	14'			Standard	Max.		
<b>Side Folding Grilles</b>								
VisionGlide™ Straight	30'/any	12'			Standard		•	
VisionGlide™ Brick	30'/any	12'			Standard		•	
GlideGard™ Straight	30'/any	14'			Heavy Duty		•	Door Insert Optional
GlideGard™ Brick	30'/any	14'			Heavy Duty		•	Door Insert Optional
VistaPane™ Slotted	30'/any	20'			Standard		•	Door Insert Optional
VistaPane™ Perforated	30'/any	14'			Standard		•	Door Insert Optional
VistaPane™ Glass	30'/any	12'			Standard		•	Door Insert Optional
VistaPane™ Lexan	30'/any	14'			Standard		•	Door Insert Optional
VistaPane™ Solid	30'/any	20'			Standard		•	Door Insert Optional

## Grille Product Operators and Accessories\*

**Operators** - Tube motor operators provide a solution for strict size limits around the header or aesthetic requirements lending themselves to its smaller, compact design. Bracket mounted electric operators, hand crank and hand chain operators are available for coiling grilles. Hand cranks are normally operated from store side. Consult Cornell for recommendations.

\***Note:** all Side Folding Grilles and Closures are manual push / pull operation only.

**Motor Mounted Interlock** - An overload sensing device that prevents damage if motor operation is attempted when the grille is locked. Field wired guide mounted interlocks are no longer necessary.

**AutoLocks** - Concealed self-locking assembly that prevents the forced opening of a closed grille without the need for cylinder locks. AutoLocks remain disengaged during normal operation but automatically engage upon forced opening attempt. Standard on CrossingGard, optional for VisionAire Grilles with motor operation.

**Manual Release System**  
For use with motorized grilles to provide manual emergency opening. Wall mounted pull handle disengages the motor allowing grille to partially open for egress.



**Power Out Entry Terminal (PET) Box** - Offers a manual release pull handle system and a key switch station within a weather resistant, key cylinder secured lock box. Use the key switch for normal open / close operation. During a power outage, use the pull handle to open the grille. For use with MG and belt drive motor operated grilles and SentryGate 4 units only.



### Side Folding Grille Accessories:

**Egress Door** - May be inserted into the curtain panel of side folding grilles for applications where emergency egress may be desired.

**Pocket Door** - Neatly finishes off pocket openings. Door and frame of 12 gauge powder coated steel. To 12' H, for pocket openings 9" - 18" W.

# CORNELL

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