

CORNELL

Side Folding Grilles

Practical Design Applications

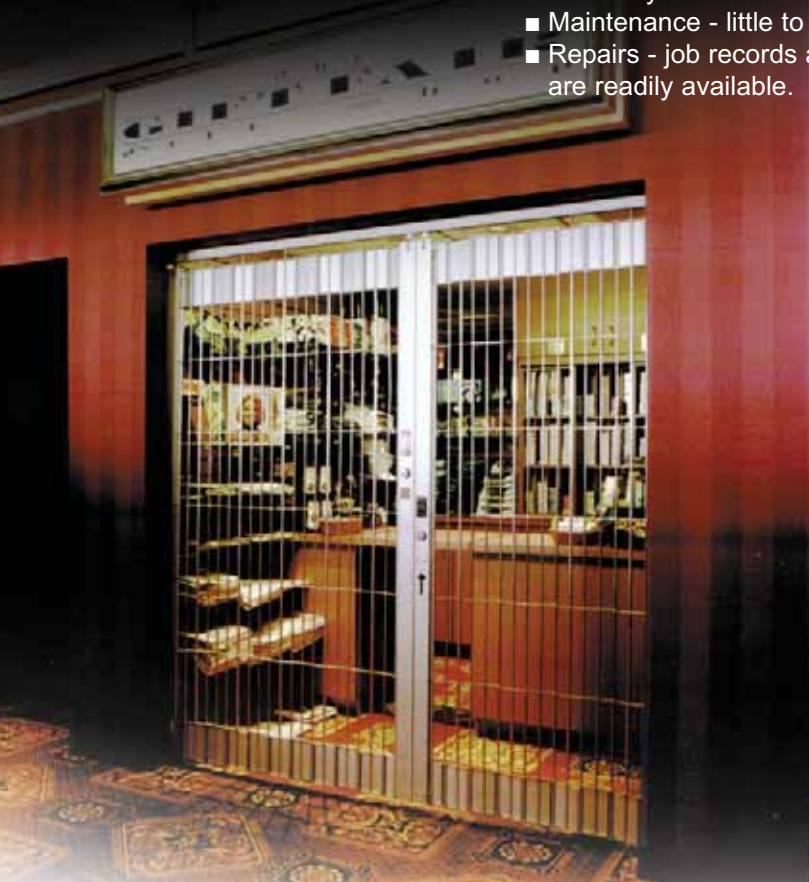
- Mall Storefronts
- Service Window Openings
- Retail
- Schools
- Universities
- Hospitality/Public Space
- Healthcare Facilities

Benefits

- Minimal Headroom Requirement - a 1 7/8" high by 1 1/2" wide track mounts to overhead structure to support these units.
- No Floor Track Required
- Size Flexibility - each unit is built to opening size requirements.
- Compact Storage - curtain accordion stacks to one or both sides of the opening in about 25% of its expanded size.
- Durability - commercial duty design.
- Maintenance - little to none.
- Repairs - job records are retained and parts are readily available.

Available Options

- Solid panel closures
- Pocket doors
- Optional chain link spacing on VisionGlide™ units
- Interior thumbturn locks
- Special radius curves
- Special angle curves
- Fixed end members for exposed stacking



VisionGlide™
Model ESG30

These open design side folding grilles allow free circulation of air and visual access to the area being protected. The curtain is formed with a series of vertical 5/16" diameter aluminum tubes on 2" centers. Horizontal chains formed of eyeletted aluminum links are spaced at 12" apart. A series of 6" high extruded aluminum interlocking hinged pivot panels span the top and bottom of the curtain. Vertical hanger rods mounted to rollers that slide in the overhead track support the curtain. For added security, the chains may be specified to be spaced at 9", 6" or 3" apart.



VistaGlide™
Model ESG31

Side folding closure units with glazed G.E. Lexan® (or equal) panels incorporated into the curtain design to create a solid security barrier while providing visual access. The panels are 1/8" thick clear flame-retardant polycarbonate material fitted between continuous vertical interlocking extruded aluminum pivot sections and 5 1/2" high extruded aluminum closure panels at the top and bottom of the curtain. Vertical hanger rods mounted to rollers that slide in the overhead track support the curtain at every other closure panel. Solid aluminum panel curtains that deny visual access are available.

Side Folding Grille Components

Curtain

A series of locking upright members, extruded aluminum pivot sections and top and bottom closure panels and either a pattern of vertical rods and horizontal chains OR glazed polycarbonate panel sections. See complete curtain description on front page.

Standard Material & Finish: mill finish aluminum for VisionGlide™; clear anodized aluminum for VistaGlide™

Floor Stop

Bent angle stop that gets mounted to the floor inside the stack pocket to engage and stop a floating end member at the floor. A track mounted stop retains the floating end member at the head.

Standard Material: painted steel

Floor Strikes

Standard and spring loaded dust proof (shown) designs are available. They get mounted to the floor beneath all upright members that have drop bolt locking to accept the drop bolt.

Standard Material & Finish: stainless steel with 2B finish



Track

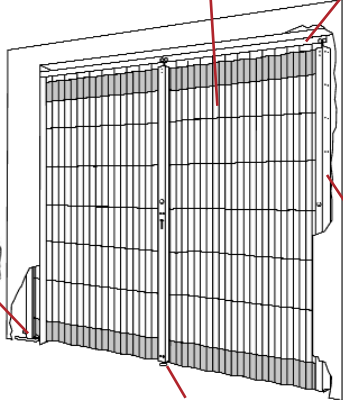
1 7/8" high by 1 1/2" wide extruded aluminum shape designed to retain the roller trolley assemblies. Mounts to above structure and supports the entire grille unit. Standard curves are 90, 120, 135 or 150 degree with a 10" radius. Custom angle and radius curves are available.

Standard Material & Finish: clear anodized aluminum

Strike Channel

A 1 5/8" x 1/2" x 1/8" extruded aluminum "C" channel that can be either wall or bi-part member mounted. The channel surrounds a locking lead member and contains a lock strike.

Standard Material & Finish: clear anodized aluminum



Special Feature Options

- **Solid Panel Closures** - is a curtain option for side folding closures when visual access is not desired. The clear polycarbonate panels are replaced with full height solid aluminum panels. 
- **Pocket Door** - an available option for side folding grilles to neatly finish off pocket openings. The frame overlaps the opening 2" and has a 5/8" projection off the wall. Both the pocket door and frame are made of heavy duty 12 gauge steel that is coated with a baked-on polyester powder coat finish. Pocket doors are available up to 12' in height and fit pocket openings from 8" to 18" wide. 
- **Multiple Height Units** - are available for openings that have a full height area and a countertop area. This is accommodated with a bi-part unit or with a single pocket unit when the pocket is located at the full height side of the opening. 

Design Construction Limitations

- Maximum recommended width of a single unit section is 20' 0" (before using a bi-parting unit)
- Maximum height is 12' 1 7/8" to the top of track
- Operation is manual push / pull only
- Minimum height is 3' 1 7/8" to the top of track (countertop units)

Optional Finishes

- Aluminum Mill (or standard clear anodized components) can be clear or color anodized.

Stack Size Chart

SAMPLE CURTAIN WIDTH	APPROXIMATE STACK SPACE REQUIRED	
	VisionGlide	VistaGlide
8' 0"	2' 0"	1' 6"
10' 0"	2' 7"	2' 1"
12' 0"	3' 0"	2' 3"
14' 0"	3' 4"	2' 6"
16' 0"	3' 8"	2' 8"
18' 0"	4' 0"	2' 10"
20' 0"	4' 5"	3' 10"
25' 0"	6' 0"	4' 5"
30' 0"	6' 8"	4' 10"
35' 0"	7' 8"	5' 5"
40' 0"	8' 8"	5' 10"

VisionGlide Grilles with thumbturn locks require 5" additional stack space. Consult factory whenever pocket size is critical.

Vertical Upright Members

2 3/8" x 1 5/16" tubular extruded aluminum sections



Lead

Located at the beginning of a curtain or curtain section, these members join a wall or member mounted strike channel and contain a hook bolt lock that engages the strike channel.

Bi-Part

Located at all curtain bi-part sections, these members have an attached strike channel for matching up with a lead member and a drop bolt lock for engagement at the floor.

Intermediate

Located at all exposed 10" radius curves and throughout the curtain so that any open section does not exceed 10'. These members have a drop bolt lock for engagement at the floor.

Floating End

With an attached full height protection plate and located within a stack pocket, these members float from the back to a set minimum projection in the pocket being stopped by track and floor mounted stoppers.

Fixed End

Normally used on grilles with exposed stacking, these members are set up with a full height wall mounting plate or angle for direct attachment to the wall.

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