



FG Folding Grilles STANDARD SPECIFICATIONS

PART 1 GENERAL

1.01 SUMMARY

- A. AlumaTek™ Model FG folding grilles shall be manufactured by Commercial Doors.

1.02 SYSTEM DESCRIPTION

- A. Grilles shall be for use on openings up to 12'-0" high for typical mall, storefront, and other retail and commercial applications. Consult factory for availability and specifications on larger openings.

1.03 WARRANTY

- A. Grilles shall be warranted against defects in workmanship and materials for one year from date of shipment. Factory finishes are excluded from warranty.

PART 2 PRODUCTS

2.01 MATERIALS

- A. **Curtain** shall be a straight link SL12 pattern, assembled from vertical 5/16" diameter aluminum rods on 3" horizontal centers, passing through flexibly connected 3/4" wide horizontal aluminum 3-hole links on 12" vertical centers. Links shall be .090" thick and assembled with grommets to form horizontal chains. Curtain alignment shall be maintained by aluminum spacer tubes placed between all links on alternating rods. Top and bottom of curtain shall be reinforced by 4" high interlocking extruded aluminum panels with integral hinges to direct folding function.
- B. **Lead post** shall be a rectangular aluminum extrusion attached to lead end of curtain to limit deflection and contain locking device. On single grille, lead post shall close to and lock through a full-height extruded aluminum wall strike attached to jamb. On bi-parting grille, lead post shall close to and lock through an extruded aluminum strike attached to receiver post.
- C. **Receiver post** shall be a rectangular aluminum extrusion attached to one lead end of bi-parting curtain to limit deflection and contain locking device. It shall be fitted with a strike to receive lead post on other lead end of bi-parting curtain.
- D. **Rear post** shall be a rectangular aluminum extrusion with tailing edge attached to end of curtain to limit deflection. On grilles with a floating rear post, tailing edge shall secure curtain against track/floor stops and help conceal pocket when grille is closed. On grilles with a fixed rear post, tailing edge shall be attached to jamb.
- E. **Intermediate post(s)** shall be rectangular aluminum extrusion(s) attached between consecutive curtain sections over 10 ft. wide, and at curved tracks as required, to limit deflection and contain locking device. Post(s) shall lock through recessed floor strikes.
- F. **Rollers** shall be 1 1/8" diameter non-metallic, double-wheeled ball bearing rollers. Rollers shall be attached to top of curtain approximately 12" apart.
- G. **Top track** shall be 1/8" thick extruded aluminum channels (1 3/4" x 1 5/8") formed with return flanges to retain rollers. Track shall incorporate an integral system to allow for field connection and alignment of multiple track sections. Tracks shall be attached to supporting structure with fasteners no more than 12" apart.
- H. **Operation** of grilles shall be manual.
- I. **Locking** shall be by a concealed hook lock on lead post, and a concealed bottom throw bolt on receiver post and intermediate posts, activated by a standard keyed mortise cylinder on both sides of grille.

2.02 FINISHES

- A. Aluminum curtain rods, links and spacer tubes shall be mill finish [clear anodized] [bronze anodized] [color anodized]. Aluminum curtain hinge panels shall be clear anodized [bronze anodized] [color anodized]. Posts, wall strike, and top track shall be clear anodized [bronze anodized] [color anodized].

PART 3 EXECUTION

3.01 INSTALLATION

- A. Grilles shall be installed in accordance with Commercial Doors Direct Installation Instructions



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FG Folding Grilles AVAILABLE OPTIONS

Mounting	Bi-parting grille (includes receiver post with bottom throw-bolt lock and standard mortise cylinder both sides – standard on grilles over 30 ft. wide) Face of wall mounting (top track mounted to brackets against face of header, rear post/wall strike mounted to brackets attached to face of jambs)
Curtain	Closer link spacings
Posts	Intermediate posts spaced closer than every 10 ft. or at curved tracks (includes bottom throw-bolt lock and standard mortise cylinder both sides)
Top Track	Curved tracks with 30°, 45° or 90° bends and 14" radius (custom bends and radius also available) Additional track for remote pocket location (pocket not adjacent to opening)
Locking	Master keying or special brand cylinders 2-point throw-bolt lock with mortise cylinder both sides in receiver, intermediate, or rear post (locks through floor and top track – standard on rear post with remote pocket location) Mortise thumb turn in lieu of mortise cylinder on interior side (includes reach-through deterrent curtain section near thumb turn)
Finishes	Clear, bronze, black, or other color anodized aluminum curtain Bronze, black, or other color anodized aluminum posts, wall strike and top track



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