

SECTION 08 3513

FOLDING GRILLES

This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by one of the following methods:

Microsoft Word 2007: Click the OFFICE button, select WORD OPTIONS, select DISPLAY, then select or deselect the HIDDEN TEXT option.

Microsoft Word (earlier versions): From the pull-down menus select TOOLS, then OPTIONS. Under the tab labeled VIEW, select or deselect the HIDDEN TEXT option.

Corel WordPerfect: From the pull-down menus select VIEW, then select or deselect the HIDDEN TEXT option.

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Side-folding aluminum grilles.
 - 2. Operating hardware and supports.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.
 - 2. Section 08 7100 - Door Hardware.

1.2 REFERENCES

- A. ASTM International (ASTM) B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

1.3 SUBMITTALS

- A. Submittals for Review:
 - 1. Shop Drawings: Indicate opening dimensions and required tolerances, connection details, anchorage spacing, hardware locations, and installation details.
 - 2. Product Data: Provide information on grille construction, components, materials, and finishes.
- B. Sustainable Design Submittals:
 - 1. Recycled Content.
 - 2. Regional Materials.
- C. Closeout Submittals:
 - 1. Operation and Maintenance Data.

1.4 WARRANTIES

- A. Provide manufacturer's 2 year warranty against defects in materials and workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by Dynamic Closures Corporation. (www.dynamicclosures.com)
- B. Equivalent products by the following manufacturers are acceptable:

1. CHI Overhead Doors. (www.chiohd.com)
2. Janus International Rolling Steel Division. (www.janusintl.com)
3. Overhead Door Corp. (www.overheaddoor.com)
4. Wayne-Dalton Corp. (www.wayne-dalton.com)

C. Substitutions: [Under provisions of Division 01.] [Not permitted.]

2.2 MATERIALS

A. Aluminum Extrusions: ASTM B221, 6063-T5 or T6 alloy and temper.

B. Recycled Content: Minimum 55 percent post-industrial and minimum 10 percent post consumer.

2.3 COMPONENTS

A. Curtain:

1. 4-1/8 inches wide with 2 inch high bottom and top plates, truss-like aluminum, with full-height perforated aluminum panels with 3/16 inch holes spaced 1/4 inch on center; 51 percent viewable area.
2. Panels connected with single-piece vertical 5/8 x 1/2 inch aluminum hinges.
3. Pocket: Welded 1/2 inch tubular steel frame forming 6 inch exterior, 5 inch clear opening width, with 1 inch vertical adjustment.
4. Pocket door: Extruded PVC with magnetic strip full height.

B. Locking Post: Aluminum extrusion; refer to Drawings.

C. Overhead Track: Extruded aluminum, 1-3/8 inches wide x 1-5/8 inches high, continuous profile seamed with alignment bars and track pins at splices.

D. Provide grilles with 6 inch wide pocket to permit flush installation in 6 inch metal stud-framed walls.

E. Curtain Carriers: Dual bearing trolleys with 1-1/8 inch diameter tires.

F. Operation: Manual push/pull. Provide pull straps on openings over 9 feet in height and countertop applications.

G. Lock: [None.] [cylinder lock] [thumb turn] at interior, key operated at exterior. Locks [keyed alike.] [keyed random.] [keyed to Section 08 7100.]

2.4 FINISHES

A. Aluminum: Anodized, [clear.] [[champagne] [light bronze] [bronze] [black] color.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install assembly in accordance with manufacturer's instructions.

B. Anchor to adjacent construction without distortion or stress.

C. Fit and align assembly including hardware, level and plumb, to provide smooth operation.

3.2 ADJUSTING

A. Adjust grilles for smooth operation throughout full operating range.

END OF SECTION