

SECTION 08340
 SECURITY GRILLES
 683 Series Suregard™ Side Folding Grilles

- PART 1 - GENERAL**
- 1.01 RELATED DOCUMENTS
- A. All of the Contract Documents, including General and Supplementary Conditions, and Division 1 General Requirements, apply to the work of this Section.
- 1.02 SUMMARY
- A. The work of this Section includes side-folding security grilles.
- B. Related Sections: Other specification sections which directly relate to the work of this Section include, but are not limited to, the following:
1. Section 08710 - Finish Hardware; key cylinders for locks.
- 1.03 SUBMITTALS
- A. Product Data: Submit manufacturer's product data and installation instructions for each type of side folding security grille. Include both published data and any specific data prepared for this project.
- B. Shop Drawings: Submit shop drawings for approval prior to fabrication. Include detailed plans, elevations, details of framing members, required clearances, anchors, and accessories. Include relationship with adjacent materials.
- 1.04 QUALITY ASSURANCE
- A. Manufacturer: Side folding security grilles shall be manufactured by a firm with a minimum of five years experience in the fabrication and installation of side folding security grilles. Manufacturers proposed for use, which are not named in these specifications, shall submit evidence of ability to meet performance and fabrication requirements specified, and include a list of five projects of similar design and complexity completed within the past five years.
- B. Installer: Installation of side folding security grilles shall be performed by an authorized representative of the manufacturer.
- C. Single-Source Responsibility: Provide grilles, track and related primary components from one manufacturer for each type of grille. Provide secondary components from source acceptable to manufacturer of primary components.
- D. Pre-Installation Conference: Schedule and convene a pre-installation conference just prior to commencement of field operations, to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.
- 1.05 DELIVERY, STORAGE, AND HANDLING
- A. Deliver materials and products in labeled protective packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage from weather, excessive temperatures and construction operations.
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- PART 2 - PRODUCTS**
- 2.01 ACCEPTABLE MANUFACTURER
- A. Provide side folding security grilles by Overhead Door Corporation, Pennsylvania Division; Telephone 800-663-4599; Fax 800-205-6665
- 2.02 SECURITY GRILLES
- A. Trade Reference: 683 Series Suregard™ Side-Folding Grilles by Overhead Door Corporation.

- B. Curtain: Shall incorporate minimum 4" (102mm) high bottom plates of truss like clear anodized aluminum and 5 1/4" (127mm) high top plates to frame each 6 5/16" (160mm) wide panel. Curtain panels shall be constructed of 1/8" (3mm) by 5/8" (17mm) by 6" (152mm) horizontal clear anodized aluminum links that slide into 5/16" (8mm) vertical rods. Links shall be held in place by 1/2" (16mm) clear anodized aluminum (S-126) spacer tubes on alternate rods. (Anodized finish only on this series.)
- C. Finish: Factory finish shall be clear anodized. (Optional anodized color as specified by architect)
- D. Track: Trolley assemblies shall be 1 1/8" (29mm) and adjustable 1" (25mm) upward or downward without the removal of the curtain. Track shall be heavy extruded aluminum 1 3/8" (35mm) wide by 1 5/8" (41mm) high. Curves shall be 90, 120, 135 and 150 degrees and shall have a 14" (356mm) radius. (Consult factory for special curves.)
- E. Locking:
1. Lead post shall conceal a hook bolt lock activated by a keyed cylinder or thumb turn, engaging a full height wall channel. Where required, a top and bottom spring loaded locking post with interior thumb turn and protection or keyed cylinder and dustproof floor sockets for all drop bolts. The edge of locking post shall have a rubber bumper.
 2. Intermediate posts shall be provided for every 10' (3048mm) maximum (countertop mounted, 6' [1828mm] maximum) of curtain length and at each curve. Intermediate posts shall contain an adjustable concealed spring loaded drop bolt with cylinder locks keyed alike. Dustproof floor sockets shall be provided for all drop bolts.
 3. Traveling end post shall have an attached full height protection plate and shall be self locking into a steel V-stop. End post shall be fixable to a wall when stacked in the opening. (Top and bottom locking posts)

PART 3 - EXECUTION 3.01 PREPARATION

- A. Take field dimensions and examine conditions of substrates, supports, and other conditions under which this work is to be performed. Do not proceed with work until unsatisfactory conditions are corrected.

3.02 INSTALLATION

- A. Strictly comply with manufacturer's installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and allow for maintenance.
- B. Instruct Owner's personnel in proper operating procedures and maintenance schedule.

3.03 ADJUSTING AND CLEANING

- A. Test side folding security grilles for proper operation and adjust as necessary to provide proper operation without binding or distortion.
- B. Touch-up damaged coatings and finishes and repair minor damage. Clean exposed surfaces using non-abrasive materials and methods recommended by manufacturer of material or product being cleaned.

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