

Aluminum Grille Specifications and Options

Specifications

Part 1 General

1.01 Summary

A. Aluminum grilles excluding design, construction and preparation of openings; finish or field painting; access panels; electrical wiring, conduit, wire, fuses and disconnect switches

1.02 Performance

A. Usage: Aluminum grilles are designed to operate a minimum of 20,000 cycles.

Part 2 Products

2.01 Materials

A. Manufacturer: R & S Manufacturing, model G

B. Mounting: Face of wall or between-jamb

C. Operation: Push-up to 14' wide and 9' high (with pull-down pole over 7' high) and chain hoist on larger sizes is standard. Awning crank, crank box or motor operation are optional.

D. Curtain: Pattern 91 _____, formed with horizontal rods 1 1/2" apart, connected by vertical links 9" apart. Bottom of curtain is reinforced by an extruded aluminum tubular footpiece.

E. Guides: Extruded aluminum guides are bolted to structural steel wall angles. Guides are fitted with nylon pile wearstrips.

F. Brackets: Steel plate brackets are bolted to wall angles to support curtain and barrel and provide mounting for hood.

G. Barrel: Steel pipe houses torsion spring assembly and supports curtain with a maximum deflection of .03 inch per foot of width. Torsion springs are mounted on a continuous cold rolled steel shaft, adjustable by a tension wheel outside or inside one bracket.

H. Locking: Slidebolt locks with push-up or crank operation and chain lock with chain operation.

2.02 Finish

A. Aluminum curtain, footpiece and guides are mill

finish. Steel brackets and wall angles receive one coat or rust inhibiting grey primer.

Part 3 Execution

3.01 Installation

A. Aluminum grilles are to be installed by and R & S authorized representative in accordance with R & S installation instructions.

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Options

High Cycle Construction: designs to provide up to 150,000 operating cycles or maximum possible in design.

Emergency Egress System: recessed pull handle in a flush mount enclosure mechanically disconnects motor operator to provide partial opening of grille for emergency exit

Support Tubes: square steel tubes attach to floor and structure above to provide mounting for grille

Sloped Footpiece: for special sill conditions

Soffit Flange Cover: 5 1/2" wide flange on bottom of footpiece to conceal slot required for above ceiling installations

Cylinder Locks: on footpiece

Hood: formed from galvanized steel or aluminum sheet

Fixed Grille Panel: grille curtain in a supporting frame

Anodized Finish: clear, dark bronze, gold, black and other color anodized finishes on curtain, footpiece, guides and hood

Special Accessories: see [Special Accessories Page](#)

Powder Coating: optional, please call factory for details