



**ROLLING DOOR
MANUFACTURING**

**Aluminum Grille Door
Standard Architectural Specifications**

PART 1 – GENERAL

1.01 Work Included

Security Rolling Grille Doors shall be manufactured by Rolling Door Manufacturing Corp.

1.02 Related Work

Opening preparation, miscellaneous, and structural metal work, access doors, finish or field painting, field electrical wiring, wire conduit, fuses and disconnect switches are in the Scope of Work of other divisions or trades.

PART 2 – PRODUCT

2.01 Curtain

Made from 5/16" or 1/4" horizontal steel rods spaced 2" or 2 1/4" on center and connected by vertical aluminum links spaced 9" apart, and covered with aluminum tubes.

2.02 Bottom Bar:

Curtain to be reinforced with a bottom bar consisting of 3" x 2" heavy duty extruded "T" aluminum with optional weatherstrip. (4" x 2" heavy duty extruded tubular aluminum is optional).

2.03 Guides

Extruded aluminum tubular sections with felt insert for sound suppression and ease in operation.

2.04 Brackets

3/16" or 1/4" thick structural steel plates to support curtain, counterbalance, and hood.

2.05 Counterbalance

The counterbalance shall be adjustable helical torsion springs designed to for 25,000 cycles (higher cycle design – 200,000 cycles – is available) mounted on a steel pipe barrel of minimum Schedule 40. Counterbalance shall be adjustable by means of an adjusting tension wheel.

2.06 Hood

24 gauge galvanized steel to protect the counterbalance shaft. Hood is omitted if coil is inside the ceiling.

2.07 Operation

Manual Push-Up up to 84 sq. ft. Above 84 sq. ft, operation shall be manual chain hoist. Motor and crank operations are optional. Motor Specifications as follows:

Manaras Belt Drive and Gearhead Motor Operators

Description: Heavy-Duty 5L V-belt drive jackshaft type electric door operator (or industrial heavy-duty gear head type electric door operator) with a self-engaging hoist with automatic power cut-off, mechanical brake and rotary-type limit switches. UL listed.

Voltage: 115 and 230 V / 1 Ph / 60 Hz (50 Hz available)
230 and 460 V / 3 Ph / 60 Hz (50 Hz available)

Mounting: Wall (on the left or right side of door) or Bracket mounted. Side room required for wall mounting is 15"

Control Equipment: 24 Volt control transformer, 3 push button station, All NEMA 1 Enclosures.

Horse Power: 1/2, 3/4, 1, 1-1/2, 2

Speed: Approximately 6" to 12" per second

2.08 Locking

Galvanized steel slide bolts attached to bottom bar suitable for padlocking by others. (Center locks on tubular bottom bar are optional). For motor operated Grille doors, locking is not available. Manual Chain Hoist operated doors have chain keeper locks suitable for padlocking by others.

2.09 Finish

Links and Aluminum tubes for the curtain are clear anodized. All non-galvanized surfaces are shop coated with rust-inhibitive primer.

PART 3 – EXECUTION

3.01 Installation

Rolling Security Grille Doors shall be installed in accordance with Rolling Door Manufacturing Corp. instructions and standards.