

Rolling Grilles Specifications

PART 1 GENERAL

1.01 Furnish and install:

Rolling Grilles as manufactured by Best Rolling Manufacturer. Complete with curtain, hood, guides, counter balance and options as specified. Not included is any structural or miscellaneous iron, masonry or wood preparation of door opening.

1.02 Opening preparation:

Miscellaneous or structural steel, access panels, finish or field painting, master keying cylinders, and (electrical wires, wiring, disconnect switches, conduit) are in the scope of the work of other sections or trades.

1.03 Mounting:

To be (Interior Face Mounted on a prepared opening) (Interior Mounted between jambs and under lintel in a prepared opening) (Exterior Mounted).

PART 2 PRODUCT

2.01 GRILL

A. G-70A Design: aluminum spacers and links over 5/16" steel tubes, spaced 2" or 2 1/2" O.C. Brick and Straight link pattern.

B. G-70SS Design: stainless steel spacers and links over 5/16" steel tubes, spaced 2" or 2 1/2" O.C. Brick and Straight link pattern.

C. G-70P Design: Silver or bronze plastic spacers over steel horizontal tubes of 5/16" diameter spaced 2 1/2" on center. Mill finished aluminum links are spaced 9" or 12" on center. Brick and Straight link pattern.

2.02 GUIDE AND WALL ANGLE

A. GUIDES shall be of extruded aluminum tubular sections with retainers for the end locks or roll-formed steel guide

2.03 SPRING COUNTERBALANCE:

A. COUNTERBALANCE: housed in a steel pipe of proper dimension to restrict deflection to .03” per foot of door width.

B. SPRINGS: spring shall be helical torsion type designed to include an overload factor of 25 percent for maximum safety. The helical torsion spring assembly designed for proper balance of door to insure that effort to operate door will not exceed 35 pounds. Springs are to be grease packed.

C. SPRING TENSION: shall be adjusted by a wheel from the outside of the end brackets.

D. BALL BEARINGS: Permanently lubricated ball or roller bearing to be furnished at rotating support points.

2.04 BRACKET PLATES

A. BRACKET PLATES shall be of sufficient thickness to support counterbalance and curtain and to act as enclosures and support for the hood.

B. DRIVE END BRACKET PLATE: Permanently lubricated ball or roller bearing to be furnished at rotating support points.

2.05 HOODS

A. HOODS shall be of aluminum, galvanized steel, or stainless steel of minimum #24 U.S. gauge formed to fit around the end brackets.

B. REINFORCING: to be laterally reinforced to prevent sag.

C. INTERMEDIATE HOOD SUPPORTS: Intermediate hood supports will be furnished when necessary to prevent sagging.

2.06 LOCKING

A. SLIDE BOLTS: on bottom bar for manual push-up). Prepared for padlocks (padlocks provided by others)

B. HAND CHAIN LOCK: locking bracket, mounted on guide angle for chain operated doors,

C. INTEGRAL GEARING: of motor operator to provide locking for door.

2.07 FINISH

A. FINISH shall be a shop coat of grey primer on non-galvanized and bearing surfaces. Aluminum shall be mill, or clear anodized. Stainless steel shall be #2B finished. Custom color combinations available.

2.08 OPERATION

A. OPERATION shall be manual push-up, gear reduced chain hoist, gear reduced awning or wall crank, or gear reduced motor operation.

PART 3 EXECUTION

3.01 INSTALLATION

A. INSTALLATION: to be by BEST ROLLING MANUFACTURER authorized representative and in accordance with Best' standards and instructions.

PART 4 OPTIONAL FEATURES

A. MORTISE CYLINDER LOCK To be provided, engaging at both ends (and at center of opening) concealed within bottom bar, operable one side (both sides) (one side with thumb turn opposite side) .

B. SAFETY-EDGE BOTTOM BARS are furnished on motor operated grilles which upon contact with an object, stop or reverse downward travel.

C. EMERGENCY RELEASE DEVICE is a manual opening device for motor operated grilles. The grilles are spring balanced to open when the handle pulled, disengaging the motor drive from the grille.