

## MODEL FPG –Push Up Rolling Grille Aluminum – Face of Wall Mounted

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### 1.0 GENERAL

- 1.1 Summary A. All Aluminum Rolling Grilles shall be as manufactured by Amazing Roller Shutters, Canada. Furnished materials shall include all curtains, bottom bars, guides, brackets, hoods, operating mechanisms and any special features.  
B. Work not to be included by **Amazing Roller Shutters** includes design of, material for and preparation of grille openings but not limited to structural or miscellaneous iron work, access panels, finish painting, electrical wiring, conduit and disconnect switches.
- 1.2 Quality Assurance A. All rolling grilles shall be designed to a standard maximum of 25 cycles per day and an overall maximum of 50,000 operating cycles for the life of the grille.

### 2.0 PRODUCTS

#### 2.1 Materials

- A. The grille curtain shall be constructed of 5/16" diameter horizontal aluminum rods on 2" centers with 1/8" aluminum hinged vertical connecting links (5/8" deep by 3-3/4" high) 9" on center. The finish on the rods and links shall be [mill] [204-R1 clear anodized] [bronze anodized].
- B. The bottom bar shall consist of an extruded aluminum tube measuring 4" high by 1-3/4" deep and shall include 2 vinyl astragals on the bottom surface of the bar. The finish on the bottom bar shall be [mill] [204-R1 clear anodized] [bronze anodized].
- C. The guides shall be constructed of a continuous aluminum mounting flat connected to 1-1/2" by 2-1/2" by 1/8" thick continuous extruded aluminum guide section. Continuous nylon wearstrips shall be inserted on both sides of the guide to eliminate metal-to-metal contact. The aluminum mounting flat and the aluminum guide shall be mill finish.
- D. The brackets shall be constructed of steel not less than 1/4" thick. The finish on the brackets shall be one (1) coat of aluminum prime paint.
- E. The barrel shall be steel tubing of not less than 6" in diameter. Oil tempered torsion springs shall be capable of correctly counter balancing the weight of the curtain. The barrel shall be designed to limit the maximum deflection to .03" per foot of opening width. The springs shall be adjusted by means of an exterior wheel. The finish on the barrel shall be one (1) coat of bronze rust-inhibiting paint.
- F. The hood shall be fabricated from .040 aluminum sheet and shall be formed to fit the curvature of the brackets. The finish on the hood shall be [mill] [204-R1 clear anodized] [bronze anodized].
- 2.2 Operation A. Push-up operated grilles shall open and close with a maximum of 30 pounds of effort operated by pulling up or down on the grille itself. This type of operation should not be used for grilles over 160 square feet or grilles over 8 feet in height.
- 2.3 Locking Mechanisms  
A. Push-up operated grilles shall be secured by means of a cylinder lock in the bottom bar.

### 3.0 EXECUTION

#### 3.1 Installation

- A. All **Amazing Roller Shutters** Aluminum Rolling Grilles shall be installed by an authorized **Amazing Roller Shutters** Distributor.

- 3.2 Warranty A. All **Amazing Roller Shutters** Aluminum Rolling Grilles shall be warranted for a period of twelve (12) months from the time of shipment against defects in workmanship and materials.