

MODEL FMC – Aluminum – Rolling Counter Door Motor Operation – Face of Wall Mount

1.0 GENERAL

1.1 Summary

- A. All Aluminum Rolling Counter Doors shall be 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 **SDI** includes design of, material for and preparation of door openings but not limited to structural or miscellaneous iron work, metal or wood trim, access panels, finish painting, electrical wiring, conduit and disconnect switches.

- 1.2 Quality Assurance A. All rolling counter doors 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 door.

2.0 PRODUCTS

2.1 Materials

- A. The door curtain shall be constructed of interconnected .050 extruded aluminum slats (1-1/4" high by 1/2" deep) as designated by **SDI**. The curtain shall receive a [204-R1 clear anodized] [bronze anodized] finish.
- B. The bottom bar shall be constructed of tubular extruded aluminum measuring 1-5/16" deep by 2-1/4" high with a double vinyl astragal on the bottom edge. The bottom bar shall receive a [204-R1 clear anodized] [bronze anodized] finish.
- C. The guides shall be constructed of extruded aluminum and measures 1-3/8" x 2 3/4". Each side of the channel portion capturing the curtain shall contain vinyl insert weatherstripping. The guides shall receive a [204-R1 clear anodized] [bronze anodized] finish.
- D. The brackets shall be constructed of 3/16" thick die cast aluminum.
- E. The barrel shall be steel tubing of not less than 4" 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 finish on the barrel shall be grey prime paint.
- F. The hood shall be fabricated from .040 aluminum and shall be formed to fit the square brackets. The finish on the hood shall receive a [204-R1 clear anodized] [bronze anodized] finish.

- 2.2 Operation A. Motor operated model Pro-GJ 1/2 hp-115 volt single phase. The motor sarter shall be housed in a NEMA1 housing and include a 24 volt control. 3 button push button station. Integral lock sensor included.

- 2.3 Locking Mechanisms A. The motor operated shutter shall be secured by means of a concealed sliding bolt deadlock in the bottom bar operated by a slide lock or keyed cylinder lock.

3.0 EXECUTION

3.1 Installation

- A. All **SDI** Counter Doors shall be installed by an authorized **SDI** Distributor.

- 3.2 Warranty A. All **SDI** Rolling Steel Counter Doors shall be warranted for a period of twelve (12) months from the time of shipment against defects in workmanship and materials.