



PART 1 – GENERAL

1.01 Work Included

Rolling Steel 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

Flat Slats: 22 or 20 gauge G90 galvanized steel cold roll-formed in continuous lengths. Galvanized according to ASTM A-653.

Windlocks: Each end of alternate slats to be fitted with windlocks to provide a wearing surface in the guides and to maintain slat alignment. Fastened with ¼" rivets.

Windload: Door construction designed in accordance with the 2004 edition of the Florida Building Code with the 2005 Supplement. It satisfies windload of up to 65 PSF / 150 MPH for dimensions up to and including 16' 2" in width (State of Florida Approval No. FL-8344 for HVHZ and FL-8346 for NHVHZ).

Bottom Bar: Curtain to be reinforced with a bottom bar consisting of a 2" x 2" x 1/8" structural steel angle with weatherstrip.

2.02 Guides

3/16" minimum thickness structural black primed structural steel angles.

2.03 Brackets

3/16" or ¼" thick black primed structural steel plates to support curtain, counterbalance, and hood.

2.04 Counterbalance

The counterbalance shall be adjustable helical torsion springs designed to for 25,000 cycles (higher cycles designs are available) mounted on a black primed steel pipe barrel of minimum Schedule 40 with deflection limited to 0.03" per foot of width. Counterbalance shall be adjustable by means of an adjusting tension wheel.

2.05 Hood

24 gauge G90 galvanized steel sheet to protect the counterbalance shaft. Hood is omitted if coil is inside the ceiling. Galvanized finish.

2.06 Operation

Manual Push-Up up to 84 sq. ft. Above 84 sq. ft, operation shall be manual chain hoist. Motor operation is 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

2.07 Locking

Galvanized steel slide bolts attached to bottom bar suitable for padlocking by others. Manual Chain Hoist operated doors have chain keeper locks suitable for padlocking by others.

2.08 Finish

Curtain slats and hood shall be galvanized per ASTM A-653. All non-galvanized surfaces are shop coated with rust-inhibitive primer. White color curtain slats are optional. Please contact RDM for more available finishes.

PART 3 – EXECUTION

3.01 Installation

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