

High Performance Doors and Dock Equipment



Hörmann Flexon LLC
Buncher Commerce Park
Avenue C Building 20-A
Leetsdale, PA 15056-1376

SECTION 08330 OH ROLL-UP DOORS

(Rev. 5-09)

Hörmann Flexon STEEL-MASTER® 3500 STEEL SECURITY ROLL-UP DOOR

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- 1.1.1 Drawings and general provision of the Contract including General and Supplementary conditions and Division – I Specifications sections, apply to work of this section.

1.2 DESCRIPTION OF WORK:

- 1.2.1 Extent of roll-up doors is indicated on the drawings.
- 1.2.2 Types of overhead roll-up doors include the following:
- 1.2.3 Steel security roll up doors.
- 1.2.4 Motors
- 1.2.5 Controls
- 1.2.6 Electrical requirements for doors specified in Division 16.

1.3. QUALITY ASSURANCE

- 1.3.1 Single Source Responsibility: Provide roll-up doors as complete units products by a single manufacturer, including necessary accessories, fittings and anchorage's.

1.4 SUBMITTALS

- 1.4.1 Shop Drawings: Submit shop drawings for fabrication and erection of doors. Show size of opening and clearance requirements.
- 1.4.2. Product Data: Submit manufacturer's product data and installation instructions for doors, including installation details.
- 1.4.2 Maintenance Data: Submit manufacturer's maintenance and service data, including address and telephone number of nearest authorized Service Representative.

PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- 2.1.1. Manufacturers: Subject to compliance with requirements, provide products of the following:
- 2.1.2. Manufacturer of security steel roll-up doors: Hörmann Flexon LLC, Buncher Commerce Park, Avenue C, Bldg 20-A, Leetsdale, PA 15056 / Telephone: (800) 365-3667 Or (724) 385-9150
Fax: (724) 385-9151 / Website: www.hormann-flexon.com / Email: sales@hormann-flexon.com
- 2.1.3 Model: STEEL-MASTER® 3500

2.2 ROLL UP DOORS

- 2.2.1 General: Provide the manufacturer's standard springless steel security roll-up door of this type, speed, function, operation, size and construction indicated, complete with controls, panel protection devices and accessories required.
- 2.2.2 Type: Provide steel security roll up doors designed for permanent installation at the location indicated.
- 2.2.3 Function: Provide steel security roll up door designed as an efficient environmental barrier and reduced maintenance alternative to other steel roll-up doors in both interior/exterior traffic applications. Unlimited cycle operation and greater speed than conventional roll-up doors.
- 2.2.4 Cycle: Opening Speed = 15" to 18" per second / Closing Speed = 15" to 18" per second.

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- 2.2.5 Activation: Provide one or more of the following activation(s): electric pull cord, electric push button, photo eye, motion detector, remote control or induction loop system.
- 2.2.6 Size of Opening: _____ w X _____ h (maximum 18'w X 20'h)
- 2.2.7 Panel Protection Devices: Provide the manufacturer's standard and optional devices as follows: electric automatic reversing contact edge and two(2) thru-beam style reversing photocells.
- 2.2.8 Standard Panel Material: Solid 18 gauge galvanized steel, non-insulated.
Optional Panel Material: Perforated panel available in non-insulated only.
- 2.2.9 Control: Supply manufacturer's standard NEMA 4, control box enclosure with PLC and e-stop and reset buttons on face. All critical connections between motor, brake, and reversing edge are to be factory hard-wired to the control box.
- 2.2.10 Construction: Springless design and operation of the door to be such that no springs, pulleys or counterbalance systems are included. Door shall be equipped with a minimum 3 HP, direct drive high-torque 90-degree motor having a 5-year unlimited cycle warranty, rated at 350 cycles per hour under load and includes positive brake release for manual override operation. Optional in-line motor available to allow for manual chain hoist operation. Polyethylene lined disks on ends of roll tube keep panel centered in guide tracks as door moves up and down.
Heavy duty, vertical guide tracks shall be a minimum 1/4" steel, hinged to open and of low profile design having a maximum projection of 3 5/8" from wall and 8" outboard of jamb. Full perimeter gaskets and dual brush seals to be included as standard. No metal-to-metal contact exists between the panel slats and guide tracks.
- 2.2.11 Finish and Color: Provide enamel painted, color gray, steel guide tracks and mounting brackets.

PART 3 - EXECUTION

3.1 PREPARATION

- 3.1.1. Coordinate installation of steel security roll-up doors. Examine the conditions under which the doors are to be installed and do not proceed with the work until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- 3.2.1. General: Comply with manufacturer's detailed instructions for the installation of high-speed roll-up door. Electrical field wiring by electrician.

3.3 FINAL ADJUSTMENT

- 3.3.1 Make necessary adjustments for safe, efficient operation of steel security roll-up doors.