

**The Genuine. The Original.**



**SECTION 083313  
COILING COUNTER DOORS MODEL 650**

**NOTE:** Enable Microsoft Word option to display hidden text to view notes to specifier.

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Metal coiling counter doors.

**1.02 RELATED REQUIREMENTS**

- A. Section << **061000 - Rough Carpentry**>>: Rough openings.
- B. Section << **079200 - Joint Sealants**>>: Sealing joints between frames and adjacent construction.
- C. Section << **087100 - Door Hardware**>>: Cylinder cores and keys.

Section << **260583 - Wiring Connections**>>: Power to disconnect.

**1.03 REFERENCE STANDARDS**

- A. ASTM A240/A240M - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications; 2023a.
- B. ITS (DIR) - Directory of Listed Products; Current Edition.
- C. UL (DIR) - Online Certifications Directory; Current Edition.

**1.04 SUBMITTALS**

- A. Product Data: Submit manufacturer's standard literature showing materials and details of construction and finish. << **Include data on electrical operation;** or **None - N/A**>>
- B. Shop Drawings: Indicate rough and actual opening dimensions, anchorage methods, hardware locations, and installation details.
- C. Manufacturer's Instructions: Indicate installation sequence and installation, adjustment, and alignment procedures.
- D. Installer's qualification statement.
- E. Operation and Maintenance Data: Indicate modes of operation, lubrication requirements and frequency, and periodic adjustments required.
- F. Specimen warranty.

**1.05 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum << **three; or \_\_\_\_\_**>> years of << **documented; \_\_\_\_\_; or None - N/A**>> experience.

- B. Installer Qualifications: Company specializing in performing work of type specified and with minimum << **three**; or \_\_\_\_\_>> years of<< **documented**; \_\_\_\_\_; or **None - N/A**>> experience<< **and approved by manufacturer**; or **None - N/A**>>.
- C. Products Requiring Electrical Connection: Listed and classified by << **ITS (DIR)**; **UL (DIR)**; **testing firm acceptable to authorities having jurisdiction**; or \_\_\_\_\_>> as suitable for purpose specified and indicated.

## 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect materials from exposure to moisture.
- C. Store materials in dry, warm, ventilated, weathertight location.

## 1.07 WARRANTY

- A. Manufacturer Warranty: Provide manufacturer warranty for counterbalance shaft assembly for years indicated under individual doors. Complete forms in <<**Owner**>>'s name and register with manufacturer.

## PART 2 PRODUCTS

### 2.01 MANUFACTURER

- A. Overhead Door Corporation; www.overheaddoor.com; 1 (800) 929-3667.
- B. Substitutions: Not permitted.

### 2.02 COILING COUNTER DOORS

- A. Overhead Door™ Brand; Model 650.
  - 1. Slats: Interlocking, roll-formed, metal slats.
  - 2. Width:       feet (      mm).
  - 3. Height:       feet (      mm).
  - 4. Mounting: << **Surface-mounted on side indicated on drawings**; or **Between jamb**>>.
  - 5. Opening Speed: Door to operate at variable speed up to << **8 inches (203 mm)**>> per second.
  - 6. Closing Speed: Door to operate at variable speed up to << **12 inches (305 mm)**>> per second.
  - 7. Door-Only Warranty: Two years.
  - 8. Curtain Material: << **22-gauge, 0.0336-inch, (0.853 mm)**>> galvanized steel; endlocks attached to alternate slats maintain curtain alignment and prevent lateral slat movement.
    - a. Slat Profile: F-158.
    - b. Fenestrated Slats: Not required.
    - c. Fenestrated Slats: Perforated holes.
    - d. Fenestrated Slats: << **5/8 by 3 inches (16 by 76 mm)**>>, uniformly spaced across width of curtain.
    - e. Vision Lites: Not required.
    - f. Vision Lites: << **5/8 by 3 inches (16 by 76 mm)**>>, with Plexiglass covers uniformly spaced across width of curtain.
    - g. Finish:

- 1) Standard polyester base coat. Color: << **Gray; Tan; White;**  
or \_\_\_\_\_>>.
  
- 2) << **PowderGuard Premium powder coat; PowderGuard Textured powder coat; or \_\_\_\_\_>>. << Color: \_\_\_\_\_.; or None - N/A>>**
  
9. Bottom Bar: << **Aluminum; Galvanized steel; or \_\_\_\_\_>>.
 
  - a. Profile: << **Extruded tube; Single angle; or \_\_\_\_\_>>.**
  - b. Finish: << **Black anodized; Black powder coat; Bronze anodized; Clear anodized; Galvanized; Gray powder coat; Match curtain; PowderGuard Premium powder coat; PowderGuard Textured powder coat; PowderGuard Zinc Rich powder coat; Tan powder coat; White powder coat; or \_\_\_\_\_>>. << Color: \_\_\_\_\_.; or None - N/A>>****
  
10. Locking Options to Include: << **Best cylinder.; Cylinder.; Slide lock.; \_\_\_\_\_.; or None - N/A>>
 
  - a. Lock Locations: << **Both jambs; Left jamb only; Right jamb only; or \_\_\_\_\_>>.**
  - b. Lock Access: Coil side.**
  
11. Weatherstripping and Seals:
  - a. Bottom Seal Astragal: << **Not required; Required; or \_\_\_\_\_>>.**
  
12. Side Guides, Channels: Constructed of << **aluminum; steel; 304 stainless steel; or \_\_\_\_\_>> with members fully bolted together.
 
  - a. Finish: << **Black anodized; Black powder coat; Bronze anodized; Clear anodized; Gray powder coat; Match curtain; No.4 satin; PowderGuard Premium powder coat; PowderGuard Textured powder coat; PowderGuard Zinc Rich powder coat; Tan powder coat; White powder coat; or \_\_\_\_\_>>. << Color: \_\_\_\_\_.; or None - N/A>>****
  
13. Brackets: Galvanized steel to support counterbalance assembly and curtain.
  - a. Finish: << **Gray powder coat; Match curtain; PowderGuard Premium powder coat; PowderGuard Textured powder coat; Tan powder coat; White powder coat; or \_\_\_\_\_>>. << Color: \_\_\_\_\_.; or None - N/A>>**
  
14. Counterbalance Assembly: Helical-torsion-spring type, housed in steel tube or pipe barrel and supporting curtain with deflection limited to << **0.03 inch per foot (2.5 mm per m)>> of span; adjustable spring tension required.**
  
15. Hood:
  - a. Manufacturer's standard sheet metal.
    - 1) << **24-gauge, 0.25-inch (0.635 mm)>> stainless steel.**
    - 2) << **24-gauge, 0.276-inch (0.701 mm)>> galvanized steel.**
    - 3) Aluminum.
    - 4) Finish: << **Black anodized; Bronze anodized; Clear anodized; Gray primed; Match curtain; No.4 satin; PowderGuard Premium powder coat; PowderGuard Textured powder coat; Tan primed; White primed; or \_\_\_\_\_>>. << Color: \_\_\_\_\_.; or None - N/A>>**
  - b. Not required.

16. Manual Operation: Push up.

17. Motor Operation: << **Standard motor; Tube-mounted motor; or \_\_\_\_\_**>>.

a. Override: << **Crank; Manual; or \_\_\_\_\_**>>.

b. Tube Motor Configuration:

- 1) Timer to Close: Not applicable.
- 2) Operation Supply Voltage: 115/208/230 V, 1-phase, 60 Hz.
- 3) Signaling Device: Not applicable.
- 4) Actuation: Provide push button.
- 5) Motor Mounting: Within tube.
- 6) Obstruction Safety Detection: Not applicable.

c. Standard Motor Configuration:

- 1) Timer to Close: << **Automatic closing controlled by adjustable hold open time delay; Not required; or \_\_\_\_\_**>>.
- 2) Operation Supply Voltage: 115/208/230 V, 1-phase, 60 Hz.
- 3) Signaling Device: << **Horn and strobe combination; Traffic warning light; or \_\_\_\_\_**>>.
- 4) Actuation: Provide << **push button; key switch; pull cord; loop detector; motion detector; and \_\_\_\_\_**>>.
- 5) Motor Mounting: << **Wall-mounted; Front of hood; or \_\_\_\_\_**>>, << **right-hand side; left-hand side; or \_\_\_\_\_**>>.
- 6) Obstruction Safety Detection:
  - (a) Constant Contact Button: << **Not required; Required; or \_\_\_\_\_**>>.
  - (b) Photo Eyes: << **NEMA 4X; None; Protected; Reflective; Standard; or \_\_\_\_\_**>>.
  - (c) Light Curtain: << **3 feet (0.9 m); 6 feet (1.8 m); or \_\_\_\_\_ feet (\_\_\_\_\_ m)**>>.
- 7) Reversing Safety Edge: << **Not required; Door provided with wireless, monitored electric safety edge; Door provided with wired, monitored safety edge; or \_\_\_\_\_**>>.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify adjacent construction is suitable for door installation.
- B. Verify electrical services have been installed and are accessible.
- C. Verify door opening is plumb, header is level, and dimensions are correct.
- D. Notify <<**Architect**>> of unacceptable conditions or varying dimensions.
- E. Commencement of installation indicates acceptance of substrate and door opening conditions.

### **3.02 INSTALLATION**

- A. Install units in accordance with manufacturer's instructions.

- B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.
- C. Securely and rigidly brace components suspended from structure.<< **Secure guides to structural members only.**; \_\_\_\_\_ .; or **None - N/A**>>
- D. Fit and align assembly including hardware; level and plumb to provide smooth operation.
- E. Coordinate installation of electrical service; see Section << **260583**>>.
- F. Complete wiring from disconnect to unit components.
- G. Complete wiring from fire alarm system.
- H. Install perimeter trim as shown on drawings.

### 3.03 TOLERANCES

- A. Maintain dimensional tolerances and alignment with adjacent work.
- B. Maximum Variation from Plumb: << **1/16 inch (1.5 mm)**; or \_\_\_\_\_ inch (\_\_\_\_\_ mm)>>.
- C. Maximum Variation from Level: << **1/16 inch (1.5 mm)**; or \_\_\_\_\_ inch (\_\_\_\_\_ mm)>>.
- D. Longitudinal or Diagonal Warp: Plus or minus << **1/8 inch per 10 feet (3 mm per 3 m)**; or \_\_\_\_\_ inch per 10 feet (\_\_\_\_\_ mm per 3 m)>> straight edge.

### 3.04 ADJUSTING

- A. Adjust operating assemblies for smooth and noiseless operation.

### 3.05 CLEANING

- A. See Section << **017000 - Execution and Closeout Requirements**>> for additional requirements.
- B. Clean installed components.
- C. Remove labels and visible markings.

**END OF SECTION**