

The Genuine. The Original.



**SECTION 083313
COILING COUNTER DOORS MODEL 651**

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 651.
 - 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, 0.031-inch, (0.79 mm)**>> 304 stainless 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: No.4 satin.
 - 9. Bottom Bar: << **304 stainless steel**; **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; 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>>**
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: << **Required; Not required; or _____>>.**
 12. Side Guides, Channels: Constructed of << **304 stainless steel; aluminum; 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: << **Not required; Automatic closing controlled by adjustable hold-open time delay; 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: << **Door provided with wired monitored safety edge; Door provided with wireless monitored electric safety edge; Not required; 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