The Genuine. The Original.

OVERHEAD DOOR®

SECTION 083313
COILING COUNTER DOORS MODEL 651

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.

1.08 CYCLE LIFE

A. Operation Cycles: Capable of operating for 10,000 cycles (or duration of warranty). One operation cycle is complete when door is opened from closed position to fully open position and returned to closed position.

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