

The Genuine. The Original.



**SECTION 083313
COILING COUNTER DOORS MODEL 657**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Metal coiling counter doors with integral frame and sill.

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.

- D. 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 METAL COILING COUNTER DOORS WITH INTEGRAL FRAME AND SILL

- A. Overhead Door™ Brand; Model 657.
 - 1. Slats: Interlocking, roll-formed, metal slats.
 - 2. Width: << _____ **feet** (_____ **mm**)>>.
 - 3. Height: << _____ **feet** (_____ **mm**)>>.
 - 4. Mounting: Between jamb.
 - 5. Door-Only Warranty: One year.
 - 6. Curtain Material: <<**ASTM A240/A240M**>>, 300 series stainless steel.
 - a. Slat Profile: << **1-1/4 inch (32 mm)**>>, flat.
 - b. Endlocks: Stamped, hot-dip, galvanized endlocks riveted to each end of alternate slats to prevent lateral movement and limit slat deflection and bending stress.
 - c. Finish: No.4 satin.
 - 7. Bottom Bar: 6063-T6 aluminum.
 - a. Finish: Clear anodized.
 - 8. Locking Options to Include: << **Best cylinder**; **Cylinder**; **Slide lock**; or _____>>.
 - a. Lock Locations: << **Both jambs**; **Left jamb only**; **Right jamb only**; or _____>>.
 - b. Lock Access: << **Both sides**; **Coil side**; **Opposite coil side**; or _____>>.
 - 9. Weatherstripping and Seals:
 - a. Bottom Seal Astragal: << **Required**; **Not required**; or _____>>.

- b. Guide Seal: << **Brush, one-sided; Not required; or _____** >>.
- 10. Brackets: Minimum << **12-gauge, 0.1046-inch (2.66 mm)** >> steel plate to support counterbalance assembly and form end closures. Provide ball bearings at rotating support points. Bolt plates to mounting structures with minimum << **1/4-inch (6 mm)** >> fasteners.
 - a. Material: << **ASTM A240/A240M** >>, 300 series stainless steel.
 - b. Finish: No.2B mill finish.
- 11. Counterbalance Assembly: Steel pipe barrel capable of carrying curtain load with maximum deflection of << **0.03-inch per foot (2.5 mm per m)** >> of door width.
 - a. Material: Heat-treated helical torsion springs, encased in steel pipe and designed to include overload factor of 25 percent to ensure minimum effort to operate.
 - b. Assembly: Sealed and prelubricated high speed ball bearing at rotating support points. Torsion spring charge wheel for applying spring torque and for future adjustments.
- 12. Hood: << **ASTM A240/A240M** >>, << **16-gauge, 0.625-inch (1.587 mm)** >> 300 series stainless steel, formed to fit contour of end brackets with reinforced top and bottom edges.
 - a. Shape: Square.
 - b. Finish: No.4 satin.
- 13. Integral Frame: << **ASTM A240/A240M** >>, << **16-gauge, 0.625-inch (1.587 mm)** >> 300 series stainless steel, with guides incorporated into jamb design, reinforced by << **12-gauge, 0.1046-inch (2.66 mm)** >> mounting structure.
 - a. Finish: No.4 satin.
- 14. Sill:
 - a. Manufacturer's standard sheet metal.
 - 1) << **14-gauge, 0.078-inch (1.98 mm)** >> stainless steel.
 - b. Finish: No.4 satin.
 - c. Not required.
- 15. Manual Operation: << **Hand crank; Push up; 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