

The Genuine. The Original.



**SECTION 083313
COILING COUNTER DOORS MODEL 655**

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.

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