



**SECTION 083313  
COILING COUNTER DOOR  
MODEL 560**

**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; 2025a.
- B. ITS (DIR) - Directory of Listed Products; Current Edition.
- C. UL (DIR) - Online Certifications Directory; Current Edition.

**1.04 SUBMITTALS**

- A. Product Data: Provide details of general construction component connections<< **and electrical equipment; \_\_\_\_\_; or None - N/A**>>.
- B. Shop Drawings: Indicate dimensioning, anchorage methods, hardware locations, and installation details.
- C. Manufacturer's Instructions: Indicate installation sequences and procedures, as well as adjustment and alignment procedures.
- D. Manufacturer's qualification statement.
- E. Installer's qualification statement.
- F. Operation and Maintenance Data: Indicate << **lubrication requirements and frequency; periodic adjustments required; and \_\_\_\_\_**>>.
- G. Specimen warranty.

**1.05 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum << **3 years; or \_\_\_\_\_**>> of<< **documented; \_\_\_\_\_; or None - N/A**>> experience.
- B. Installer Qualifications: Company specializing in performing work of type specified and with minimum << **3 years; or \_\_\_\_\_**>> 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 \_\_\_\_\_**>> 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:
1. Provide manufacturer warranty for counterbalance shaft assembly for years indicated under individual doors.
  2. Include warranty for product and components against defects in materials and workmanship for << **two**; or \_\_\_\_\_>> years, measured from date of installation.
  3. Complete forms in <<Owner>>'s name and register with manufacturer.

## PART 2 PRODUCTS

### 2.01 MANUFACTURER

- A. Wayne Dalton; www.wayne-dalton.com; 1 (800) 827-3667.  
B. Substitutions: Not permitted.

### 2.02 METAL COILING COUNTER DOORS WITH INTEGRAL FRAME AND SILL

- A. Wayne Dalton, Model 560.
1. Slats: Interlocking, roll-formed, metal slats.
  
  2. Width: << \_\_\_\_\_ **feet** ( \_\_\_\_\_ **mm**)>>.
  
  3. Height: << \_\_\_\_\_ **feet** ( \_\_\_\_\_ **mm**)>>.
  4. Mounting: Between jamb.
  5. Door Warranty: One year.
  6. Curtain Material: << **0.040-inch (1.016 mm)**>> aluminum.
    - a. Slat Profile: << **1-1/4 inches (32 mm)**>>, flat.
    - b. Endlocks: Hot-dip galvanized, stamped components riveted to each end of alternate slats to prevent lateral movement and limit both slat deflection and bending stress.
  
    - c. Finish: << **Black anodized; Bronze anodized; Clear anodized; Powder coat; or \_\_\_\_\_**>>. << **Color: \_\_\_\_\_ ; or None - N/A**>>
  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**>>, 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)**>> 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)**>> 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, << **14-gauge, 0.078-inch (1.98 mm)**>> stainless steel.
    - 1) Finish: No.4 satin.
  - b. 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**