



**SECTION 083313  
COILING COUNTER DOORS  
MODEL 530**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Wood 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.
- 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 WOOD COILING COUNTER DOORS

- A. Wayne Dalton, Model 530.
1. Slats: Interlocking wood slats.
  2. Width: <<        **feet (**        **mm)**>>.
  3. Height: <<        **feet (**        **mm)**>>.
  4. Mounting: << **Surface-mounted on side indicated on drawings; Between jamb; or \_\_\_\_\_**>>.
  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 Warranty: One year.
  8. Curtain Material: Wood; endlocks attached to alternate slats maintain curtain alignment and prevent lateral slat movement.
    - a. Slat Profile: << **1-3/4 inches (16 mm)**>> high by << **1/2 inch (13 mm)**>> thick.
    - b. Wood Species: << **Birch; Douglas fir; Red oak; White oak; or \_\_\_\_\_**>>.
    - c. Finish: Unfinished.
  9. Bottom Bar: Wood to match curtain.
  10. Locking Options to Include:<< **Cylinder.; Best cylinder.; \_\_\_\_\_.; or None - N/A**>>
    - a. Lock Locations: << **Both jambs; Left jamb only; Right jamb only; or \_\_\_\_\_**>>.
    - b. Lock Access: << **Coil side; Opposite coil side; or \_\_\_\_\_**>>.
  11. Side Guides, Channels: Constructed of wood to match curtain.
  12. Brackets: Galvanized steel to support counterbalance assembly and curtain, covered with wood to match curtain.
  13. 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.
  14. Hood: << **Wood; Not required; or \_\_\_\_\_**>>.
    - a. Finish: Match curtain.

15. Manual Operation: << **Push-up; Hand crank; or \_\_\_\_\_**>>.
16. Motor Operation: Provide UL-listed electric operator; size as recommended by manufacturer to move door in either direction minimum << **8 inches (203 mm)**>> and maximum << **12 inches (305 mm)**>> per second.
- Manual Override: Crank.
  - Operation Supply Voltage: << **115/208/230 V, 1-phase, 60 Hz; 208/230/460 V, 3-phase, 60 Hz; 220 V, 1-phase, 50 Hz; 220 V, 3-phase, 50 Hz; 400 V, 3-phase, 50 Hz; 575 V, 3-phase, 60 Hz; or \_\_\_\_\_**>>.
  - Actuation: Provide push button.
  - Motor Mounting: Within door coil.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- Verify adjacent construction is suitable for door installation.
- Verify electrical services have been installed and are accessible.
- Verify door opening is plumb, header is level, and dimensions are correct.
- Notify <<**Architect**>> of unacceptable conditions or varying dimensions.
- Commencement of installation indicates acceptance of substrate and door opening conditions.

#### **3.02 INSTALLATION**

- Install units in accordance with manufacturer's instructions.
- Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.
- Securely and rigidly brace components suspended from structure.<< **Secure guides to structural members only;** \_\_\_\_\_ .; or **None - N/A**>>
- Fit and align assembly including hardware; level and plumb to provide smooth operation.
- Coordinate installation of electrical service; see Section << **260583**>>.
- Complete wiring from disconnect to unit components.
- Complete wiring from fire alarm system.
- Install perimeter trim as shown on drawings.

#### **3.03 TOLERANCES**

- Maintain dimensional tolerances and alignment with adjacent work.
- Maximum Variation from Plumb: << **1/16 inch (1.5 mm); or \_\_\_\_\_ inch (\_\_\_\_\_ mm)**>>.
- Maximum Variation from Level: << **1/16 inch (1.5 mm); or \_\_\_\_\_ inch (\_\_\_\_\_ mm)**>>.
- 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**

- 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**