

The Genuine. The Original.



**SECTION 083323
UPWARD COILING DOORS
MODEL 600 COIL-AWAY™**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Upward coiling service doors.

1.02 RELATED REQUIREMENTS

- A. Section << **079200 - Joint Sealants**>>: Sealing joints between frames and adjacent construction.
- B. Section << **087100 - Door Hardware**>>: Cylinder cores and keys.
- C. Section << **260583 - Wiring Connections**>>: Power to disconnect.

1.03 REFERENCE STANDARDS

- A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.
- B. ASTM E330/E330M - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference; 2014 (Reapproved 2021).
- C. FBC TAS 201 - Impact Test Procedures; Testing Application Standard; 1994.
- D. FBC TAS 202 - Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure; Testing Application Standard; 1994.
- E. 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 performing work of this section with minimum of << **5 years**; or _____ years>> of<< **documented**; _____; or **None - N/A**>> experience in fabrication and installation of security closures.
- B. Installer Qualifications: Company specializing in performing work of this section with minimum of << **3 years**; or _____ years>> of<< **documented**; _____; or **None - N/A**>> experience and approved by manufacturer.
- C. Products Requiring Electrical Connection: Listed and classified by << **UL (DIR); TUV; testing firm acceptable to authorities having jurisdiction; or _____**>> as suitable for purpose specified.

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 Door-Only Warranty: Provide manufacturer warranty for door assembly for duration indicated under individual doors. Complete forms in <<**Owner**>>'s name and register with manufacturer.
- B. Manufacturer Door and Operator Warranty: Provide manufacturer's limited warranty for door and operator system free from material and workmanship defects for duration and cycles indicated under individual doors; counterbalance spring and finish not covered by warranty.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Overhead Door Corporation; www.overheaddoor.com; 1 (800) 929-3667.
- B. Substitutions: Not permitted.

2.02 UPWARD COILING SERVICE DOORS

- A. Overhead Door™ Brand; Model 600 Coil-Away.
 - 1. Slats: Interlocking, roll-formed, galvanized steel 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. Operation Cycles: Capable of operating for minimum 10,000 cycles. One operation cycle is complete when door is opened from closed position to fully open position and returned to closed position.
 - 8. Available Warranty:
 - a. Door Only: Two years.
 - b. Door and Operator Warranty: Three years or 20,000 cycles, whichever comes first.

9. Wind Load: Design door assembly to withstand ultimate static pressure load of << **20 psf (0.9 kPa); 26 psf (1.2 kPa); 31 psf (1.4 kPa); 36 psf (1.7 kPa); or 41 psf (1.9 kPa)**>> in accordance with <<ASTM E330/E330M>>.
10. Wind Load: Not required.
11. Curtain Material: Galvanized steel, << **26 gauge, 0.217 inch (0.55 mm); or _____ gauge, _____ inch (_____ mm)**>> for widths up to << **12 feet 4 inches (3.75 m)**>>, << **24 gauge, 0.278 inch (0.63 mm); or _____ gauge, _____ inch (_____ mm)**>> for widths up to << **16 feet (4.9 m)**>>. Staking lock system locks end of each slat from lateral movement.
 - a. Slat Profile: Flat crown profile, type CAW.
 - b. Galvanized Steel Finish:
 - 1) Standard polyester base coat.
 - (a) Color: << **White interior and exterior; White interior and brown exterior; or Brown interior and white exterior**>>.
 - 2) PowderGuard Premium powder coat.
 - (a) Color: Color: << _____>>.
12. Bottom Bar: 6063-T6 aluminum.
 - a. Profile: << **Extruded T; or Extruded tube**>>.
 - b. Finish: << **Mill finish; Clear anodized; Black anodized; Bronze anodized; or PowderGuard Premium powder coat; _____ color**>>.
13. Locking Options to Include: << **None; Slide lock; Cylinder; or Best cylinder**>>.
 - a. Lock Locations: << **Both jambs; Left only; or Right only**>>.
 - b. Lock Access: << **Coil side; or Opposite coil side**>>.
14. Weatherstripping and Seals:
 - a. Bottom Seal Astragal: << **Required; or Not required**>>.
 - b. Lintel Brush Seal: << **Required; or Not required**>>.
15. Side Guides, Channels: Constructed of steel with members fully bolted together.
 - a. Finish: << **Galvanized; or Powder coated; _____ color**>>.
16. Brackets: Steel to support counterbalance and curtain.
 - a. Finish: << **Galvanized; or Powder coated; _____ color**>>.
17. Counterbalance: Helical torsion spring type, housed in steel tube or pipe barrel and supporting curtain with deflection limited to << **0.03 inch per foot (1:400 mm/sec)**>> of span. Adjustable spring tension required.
18. Hood: << **Not required; or 24-gauge, 0.0278 inch galvanized steel (0.63 mm galvanized steel)**>>.
 - a. Finish: << **Match curtain; Standard polyester base coat; white color; Standard polyester base coat; brown color; or PowderGuard Premium powder coat; _____ color**>>.
19. Manual Operation: << **Push-up; or Chain hoist**>>.
20. Motor Operation: << **Not required; or Provide UL-listed electric operator; size as recommended by manufacturer to move door in either direction at minimum 8 inches (203 mm), maximum 1 foot (305 mm) per second**>>.
 - a. Manual Override: << **Hoist; Hoist and jackshaft release; or Jackshaft release**>>.
 - b. Timer to Close: << **Not required; or Automatic closing controlled by adjustable hold-open time delay**>>.

- c. Operation Supply Voltage: << **115/208/230V 1-phase 60Hz; 208/230/460V 3-phase 60Hz; 575V 3-phase 60Hz; 220V 1-phase 50Hz; 220V 3-phase 50Hz; or 400V 3-phase 50Hz**>>.
- d. Signaling Device: << **Horn and strobe combination; or Traffic warning light**>>.
- e. Actuation Device: Provide << **push button; key switch; pull cord; loop detector; motion detector; treadle switch; and radio control**>>.
- f. Motor Mounting: << **Wall-mounted; or Front of hood**>>, << **right-hand side; or left-hand side**>>.
- g. Motor Enclosure: << **Not required; NEMA 4-12 watertight and oiltight; NEMA 4X corrosion-resistant; Totally enclosed, fan-cooled motor; or Totally enclosed, non-ventilated**>>.
- h. Obstruction Safety Detection: Constant contact button only.
- i. Obstruction Safety Detection:
 - 1) Primary, Monitored:
 - (a) Photo Eyes: << **Reflective photo-eyes; Thru-beam photo-eyes; or NEMA 4X photo-eyes**>>.
 - (b) Light Curtain: << **3 feet (0.9 m); 6 feet (1.8 m); or _____ feet (_____ m)**>>.
 - (c) Safety Edge: << **2-wire reversing safety edge; Wireless reversing safety edge; or _____**>>.
 - 2) Secondary, Non-Monitored:
 - (a) Photo Eyes: << **Reflective photo-eyes; Thru-beam photo-eyes; or _____**>>.
 - (b) Light Curtain: << **3 feet (0.9 m); 6 feet (1.8 m); or _____ feet (_____ m)**>>.
 - (c) Safety Edge: << **2-wire reversing safety edge; or _____**>>.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify << **existing conditions; and _____**>> meet manufacturer's requirements before starting work.
- B. Verify opening sizes, tolerances and conditions are acceptable.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's written instructions.
- B. Use anchorage devices to securely fasten assembly to wall construction and building structure 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. Install enclosure and perimeter trim.

3.03 TOLERANCES

- A. Maintain dimensional tolerances and alignment with adjacent work.
- B. Maximum Variation from Plumb: << **1/16 inch (1.6 mm); or ___ inch (___ mm)**>>.

- C. Maximum Variation from Level: << 1/16 inch (1.6 mm); or ___ inch (___ mm)>>.
- D. Longitudinal or Diagonal Warp: Plus or minus << 1/8 inch per 10 feet (3.2 mm per 3 m); or ___ inch per 10 feet (___ mm per 3 m)>>.

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.

3.06 PROTECTION

- A. Protect finishes until completion of project.
- B. Touch up damaged finishes after Substantial Completion.

END OF SECTION