

The Genuine. The Original.



**SECTION 083323
UPWARD COILING DOORS
MODEL 653 ALLURA SHUTTER**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Upward coiling security shutters.

1.02 RELATED REQUIREMENTS

- A. Section << **079200 - Joint Sealants**>>: Sealing joints between frames and adjacent construction.
- B. Section << **083313 - Coiling Counter Doors**>>: Additional types of overhead coiling doors.
- C. Section << **087100 - Door Hardware**>>: Cylinder cores and keys.
- D. Section << **260583 - Wiring Connections**>>: Power to disconnect.

1.03 REFERENCE STANDARDS

- A. ASHRAE Std 90.1 I-P - Energy Standard for Buildings Except Low-Rise Residential Buildings; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.
- C. 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).
- D. 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.

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 SECURITY SHUTTERS

- A. Overhead Door™ Brand; Model 653.
 - 1. Slats: Interlocking, extruded aluminum slats.

 - 2. Width: << _____>>.

 - 3. Height: << _____>>.
 - 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. Curtain Material: << **0.050-inch (1.27 mm)**>> thick aluminum.
 - a. Fenestrated Slats: << **Not required**; **Open fenestration**; **1-by-1-inch (25.4 by 25.4 mm) uniformly spaced openings over full curtain**; **Partially open fenestration**; **1-by-1-inch (25.4 by 25.4 mm) uniformly spaced openings**. **Height of fenestrated curtain segment as indicated on**

- drawings; Perforated slats; full curtain; or Perforated slats; partial curtain. Height of perforated curtain segment as indicated on drawings>>.**
- b. Aluminum Finish: << **White; Almond; Silver powder coat to match look of clear anodized aluminum; Bronze powder coat to match look of bronze anodized; or PowderGuard Premium powder coat; _____ color>>.**
8. Bottom Bar: 6063-T6 aluminum.
 - a. Profile: << **Compact extruded; or Extruded tube>>.**
 - b. Finish: Match curtain.

 9. Locking Options to Include: << **None; Slide lock; Cylinder; or Best cylinder>>.**
 - a. Lock Locations: << **Both jambs; Left only; Right only; or Center>>.**
 - b. Lock Access: << **Coil side; Opposite coil side; or Both sides>>.**
 - c. Interlock micro switch on locking doors with tube motor operation.
 10. Weatherstripping and Seals:
 - a. Bottom Seal Astragal: Required.
 11. Side Guides, Channels: Constructed of aluminum extruded channels with continuous PVC wear strips.
 - a. Finish: Match curtain.
 12. Brackets: Galvanized steel to support counterbalance, curtain, and hood.
 - a. Finish: Match curtain.
 13. 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.**
 14. Hood: Aluminum. Box sized to match manufacturer's recommendation based on door height. Provide with intermediate support brackets as required on drawings.
 - a. Finish: << **Match curtain; or PowderGuard Premium powder coat; _____ color>>.**
 15. Manual Operation: << **Push-up; or Crank>>.**

 16. Motor Operation: Provide UL-listed electric tube motor; 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: << **Not required; or Crank>>.**
 - b. Operation Supply Voltage: << **110V; or 240V>>.**
 - c. Actuation: Double throw, hard-wired wall switch.
 - d. Motor Mounting: Within counterbalance tube.

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