

The Genuine. The Original.



SECTION 08361

RESIDENTIAL OVERHEAD DOORS
IMPRESSION STEEL COLLECTION™ STEEL DOORS – 5800 SERIES

Display hidden notes to specifier by using “Tools”/“Options”/“View”/“Hidden Text”.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Residential Metal Overhead Doors.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-In-Place Concrete: Prepared opening in concrete. Execution requirements for placement of anchors in concrete wall construction.
- B. Section 04810 - Unit Masonry Assemblies: Prepared opening in masonry. Execution requirements for placement of anchors in masonry wall construction.
- C. Section 05500 - Metal Fabrications: Steel frame and supports.
- D. Section 06100 - Wood Blocking and Curbing: Rough wood framing and blocking for door opening.
- E. Section 07900 - Joint Sealers: Perimeter sealant and backup materials.
- F. Section 08710 - Door Hardware: Cylinder locks.
- G. Section 09900 - Paints and Coatings: Field painting.
- H. Section 16130 - Raceway and Boxes: Empty conduit from control station to door operator.
- I. Section 16150 - Wiring Connections: Electrical service to door operator.

1.3 REFERENCES

- A. ANSI/DASMA 108 - Standard Method for Testing Sectional Garage Doors and Rolling Doors: Determination of Structural Performance Under Uniform Static Air Pressure Difference
- B. UL: Underwriters Laboratories, Inc.

C. ULC: Underwriters Laboratories of Canada.

1.4 DESIGN / PERFORMANCE REQUIREMENTS

- A. Wind Loads: Design and size components to withstand loads caused by pressure and suction of wind acting normal to plane of wall as calculated in accordance with applicable code.
 - 1. Design pressure of _____ lb/sq ft (_____ kPa).
- B. Wiring Connections: Requirements for electrical characteristics.
 - 1. 115 volts, single phase, 60 Hz.
- C. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories, Inc. acceptable to authority having jurisdiction as suitable for purpose specified.
- D. Single-Source Responsibility: Provide doors, tracks, motors, and accessories from one manufacturer for each type of door. Provide secondary components from source acceptable to manufacturer of primary components.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings: Indicate plans and elevations including opening dimensions and required tolerances, connection details, anchorage spacing, hardware locations, and installation details.
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
- F. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- G. Operation and Maintenance Data.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years documented experience.
- B. Installer Qualifications: Authorized representative of the manufacturer with minimum five years documented experience.
- C. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories, Inc. acceptable to authority having jurisdiction as suitable for purpose specified.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened labeled packaging until ready for installation.
- B. Protect materials from exposure to moisture until ready for installation.
- C. Store materials in a dry, ventilated weathertight location.
- D. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.8 WARRANTY

- A. Provide manufacturers product warranty as follows:
 1. Impression Steel Collection 5800 Series Insulated. Warranty: Limited lifetime against splitting and cracking, door sections from the delamination of the polyurethane foam from the steel skins of the panel for 10 years and all other components for 1 year.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Overhead Door Corporation, 2501 S. State Hwy. 121 Bus., Suite 200, Lewisville, TX 75067. ASD. Tel. Toll Free: (800) 929-3667. Phone: (469) 549-7100. Fax: (972) 906-1499. Web Site: www.overheaddoor.com. E-mail: arcat@overheaddoor.com.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 RESIDENTIAL METAL OVERHEAD DOORS

- A. Insulated Steel Sectional Overhead Doors: Impression Steel Collection: 5800 Series Insulated Steel Doors by Overhead Door Corporation.
 1. Door Assembly: Rigid steel fully insulated construction with a metal foam metal sandwich panel.
 - a. Size/Design: As indicated on the Drawings.
 - b. Panel Thickness: 1-5/8 inches (41.2 mm) nominal.
 - c. Panel Style: Pinch-resistant panels.
 - 1) Designs: Model 501 (VRP)
 - d. Exterior Steel: 0.016 inch (0.406 mm) exterior nominal, high strength hot-dipped galvanized with an embossed wood grain texture.
 - e. Insulation: CFC-free foamed in place polyurethane.
 - f. Thermal Values: R-value of 12.
 - g. Windload Design: Provide to meet the Design/Performance requirements specified.
 - h. Window Design:
 - 1) Window Location:
 - (a) Top section.
 - (b) Second from top section.
 - (c) Top section and second from top section (maximum of 50% of door sections can be glazed)

- 2) Decorative Window Style:
 - (a) Plain Window Long
 - (b) Stockbridge (3-Pane)
 - (c) Stockbridge (4-Pane)
 - (d) Stockton (6-Pane)
 - (e) Stockton (8-Pane)
 - (f) Plain Window Arched
 - (g) Wyndbridge (3-Pane)
 - (h) Wyndbridge (4-Pane)
 - (i) Somerton (6-Pane)
 - (j) Somerton (8-Pane)
- 3) Glass Type:
 - (a) Glass: Clear.
 - (b) Glass: Clear Insulated.
 - (c) Glass: Obscure (frosted).
 - (d) Glass: Obscure(frosted) Insulated
- i. Window Section Configuration for Arched windows (Plain Window Arched, Wyndbridge (both 3 and 4-Pane), and Somerton (both 6 and 8-Pane)
 - 1) Single Arch
 - 2) Double Arch (available on doors 14'8" -18'2")
2. Finish/Color: Two coat baked-on polyester. Trim, window frame, window divides will be the same color as the door.
 - a. Painted finishes:
 - 1) White.
 - 2) Almond.
 - 3) Sandstone.
 - 4) Brown.
3. Premium Hardware:
 - a. Bean Design Handle.
 - b. Hammered Iron Handle.
 - c. Iron Studs.
 - d. Spade Design Hinge.
 - e. Traditional Hammertone Handle.
 - f. Traditional Hammertone Hinge
4. Value Hardware:
 - a. Bean Hinge 16 inch.
 - b. Large Bean Handle.
 - c. Large Spear Handle.
 - d. Small Spear Handle.
 - e. Spear Hinge 16 inch.
 - f. Spear Hinge 18 inch.
5. Lock:
 - a. Optional keyed lock.
6. Bottom fixture: DASMA 103 red-head fasteners
7. Weatherstripping: Co-extruded PVC bulb-type strip at bottom.
8. Heavy Duty Track: Provide track as recommended by manufacturer to suit loading required and clearances available.
9. Nylon rollers.
10. Manual Operation.
11. Electric Openers.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until openings and substrates have been properly prepared.
- B. Verify wall openings are ready to receive work and opening dimensions and tolerances are within specified limits.
- C. Verify electric power is available and of correct characteristics.
- D. If preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install overhead doors, track and openers in accordance with approved shop drawings and the manufacturer's printed instructions.
- B. Coordinate installation with adjacent work to ensure proper clearances and allow for maintenance.
- C. Anchor assembly to wall construction and building framing without distortion or stress.
- D. Securely brace door tracks suspended from structure. Secure tracks to structural members only.
- E. Fit and align door assembly including hardware.
- F. Coordinate installation of electrical service with Section 16150.

3.4 CLEANING AND ADJUSTING

- A. Adjust door assembly to smooth operation and in full contact with weatherstripping.
- B. Clean doors, frames and glass.
- C. Remove temporary labels and visible markings.

3.5 PROTECTION

- A. Do not permit construction traffic through overhead door openings after adjustment and cleaning.
- B. Protect installed products until completion of project.
- C. Touch-up, damaged coatings and finishes and repair minor damage before Substantial Completion.

END OF SECTION