

The Genuine. The Original.



SECTION 08361

RESIDENTIAL OVERHEAD DOORS
SIGNATURE™ COLLECTION WOOD GARAGE DOORS

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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Residential Wood 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. Signature™ Collection Wood Garage Door. Warranty: 1 year for product and all components to be free from defects in materials and workmanship.

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 WOOD OVERHEAD DOORS

- A. Wood Sectional Overhead Doors: Signature Carriage Collection 570 Series Wood Doors by Overhead Door Corporation.
 - 1. Door Assembly: Wood door with panel inserts with finger jointed rail and stiles frame construction.
 - a. Size: As indicated on the Drawings.
 - b. Panel Thickness: 1-3/8 inches (34.93 mm).
 - c. Panel Style: Ship lap panels.
 - d. Panel Detail: Medium density overlay smooth plywood panels with square top section solid.
 - 1) Interior: 1/4 inch (6 mm) smooth Mahogany plywood
 - 2) Exterior:
 - (a) 3/8 inch smooth medium density overlay plywood.
 - (b) 3/8 inch smooth Mahogany plywood.
 - (c) 3/8 inch grooved medium density overlay plywood, 6-3/8 inches (162 mm) on center).
 - e. Trim Options:
 - 1) Vertical trim overlay 2 inch (specify number of panels).
 - 2) Single Buck (Diagonal In).

- 3) Double Cross Bucks.
- f. Insulation:
 - 1) Full cavity expanded polystyrene.
 - 2) Thermal Values: R-value of 4.75.
- g. Windload Design: Provide to meet the Design/Performance requirements specified.
- h. Window Design:
 - 1) Window Location: Top section.
 - 2) Glass:
 - (a) 1/8 inch (3 mm) DSB clear glass.
 - (b) 1/8 inch (3 mm) Plexiglass.
 - (c) 1/8 inch (3 mm) Gray tint.
 - (d) 1/8 inch (3 mm) Bronze tint.
 - (e) 1/8 inch (3 mm) Antique art (semi-obscure).
2. Finish/Color: Paint grade, factory primed white. Sanding is required prior to top coat.
3. Rail and Stile Finish: finger jointed, 1-3/8 inches (34.93 mm) thick.
 - a. Paint grade.
 - b. Stain grade Hemlock or Cedar.
4. Hardware: 14-gauge hinges.
5. Springs: torsion springs.
 - a. 10,000 cycle.
 - b. 25,000 cycle.
 - c. 50,000 cycle.
6. Lock: Interior mounted slide lock.
7. Weatherstripping: Co-extruded PVC bulb-type strip at bottom.
8. Track: Provide track as recommended by manufacturer to suit loading required and clearances available.
9. Rollers: ball bearing nylon-coated.
10. Manual Operation.
11. Electric Openers.

B. Wood Sectional Overhead Doors: Signature Carriage Collection 571 Series Wood Doors by Overhead Door Corporation.

1. Door Assembly: Wood door with panel inserts with finger jointed Hemlock rail and stiles frame construction.
 - a. Size: As indicated on the Drawings.
 - b. Panel Thickness: 1-3/8 inches (34.93 mm).
 - c. Panel Style: Ship lap panels.
 - 1) Edge glued Hemlock raised panels with 1/4 inch (6 mm) Luan Mahogany Plywood Interior (4 panel design).
 - 2) Edge glued cedar raised panels with 1/4 inch (6 mm) Luan Mahogany Plywood Interior (4 panel design).
 - 3) Prime paint over stain grade (complete door); Paint grade, factory primed white. Sanding is required prior to top coat.
 - d. Insulation:
 - 1) Full cavity expanded polystyrene.
 - 2) Thermal Values: R-value of 4.75.
 - e. Windload Design: Provide to meet the Design/Performance requirements specified.
 - f. Window Design:
 - 1) Window Location: Top section.
 - 2) Glass:
 - (a) 1/8 inch (3 mm) DSB clear glass.
 - (b) 1/8 inch (3 mm) Plexiglass.
 - (c) 1/8 inch (3 mm) Gray tint.

- (d) 1/8 inch (3 mm) Bronze tint.
 - (e) 1/8 inch (3 mm) Antique art (semi-obscure).
 - 2. Rail and Stile Finish: finger jointed, 1-3/8 inches (34.93 mm) thick.
 - a. Stain grade Hemlock.
 - b. Stain grade Clear Cedar.
 - c. Wire brush.
 - 3. Hardware: 14-gauge hinges.
 - 4. Springs: torsion springs.
 - a. 10,000 cycle.
 - b. 25,000 cycle.
 - c. 50,000 cycle.
 - 5. Lock: Interior mounted slide lock.
 - 6. Weatherstripping: Co-extruded PVC bulb-type strip at bottom.
 - 7. Track: Provide track as recommended by manufacturer to suit loading required and clearances available.
 - 8. Rollers: ball bearing nylon-coated.
 - 9. Manual Operation.
 - 10. Electric Openers.
- C. Insulated Wood Sectional Overhead Doors: Signature Carriage Collection 580 Series Insulated Wood Doors by Overhead Door Corporation.
1. Door Assembly: Two sided smooth flush wood panels with insulated core with 1/2 inch (12.5 mm) smooth Extira overlays. 1-1/8 inch (28.57 mm) finger jointed rail and stile frame construction.
 - a. Size: As indicated on the Drawings.
 - b. Panel Thickness: Overall section thickness will vary depending on the exterior face and overlay material specified.
 - c. Panel Style: Ship lap panels.
 - d. Panel Detail: Medium density overlay smooth plywood panels with square top section solid.
 - 1) Interior: 1/4 inch (6 mm) smooth Mahogany plywood
 - 2) Exterior and Trim Options:
 - (a) 3/8 inch (9.5 mm) smooth medium density overlay face material, 1/4 inch (6 mm) Mahogany plywood interior, with 1/2 inch (12.5 mm) smooth Extira overlays.
 - (b) T1-11 plywood (4 inch or 8 inch on center) with Western Red Cedar Clear Trim.
 - (c) 3/8 inch (9.5 mm) textured Mahogany plywood with Western Red Cedar Clear Trim.
 - (d) 3/8 inch (9.5 mm) smooth Mahogany plywood with Western Red Cedar Clear Trim.
 - (e) 1/2 inch (12.5 mm) smooth Marine Mahogany with Western Red Cedar Clear Trim.
 - (f) Western Red Cedar Clear, Tongue and Groove)with Western Red Cedar Clear Trim.
 - (g) Hemlock (Tongue and Groove) Exterior with Hemlock Trim.
 - (h) African Mahogany, Tongue and Groove Exterior with African Mahogany Trim.
 - (i) Color match Exterior and Overlay Material, Tongue and Groove.
 - 3) Trim Design Elements:
 - (a) Vertical trim overlay 4 inch (101 mm) (specify number of panels, up to 5).
 - (b) Single buck (diagonal in).
 - (c) Double cross bucks.

- (d) Watertable.
- 4) Panel Treatments: Wire brush texturing.
- 2. Insulation: Full cavity expanded polystyrene.
- 3. Thermal Values: R-value of 4.75.
- 4. Windload Design: Provide to meet the Design/Performance requirements specified.
- 5. Window Design:
 - a. Window Location: Top section.
 - b. Glass:
 - 1) 1/8 inch (3 mm) DSB clear glass.
 - 2) 1/8 inch (3 mm) Plexiglass.
 - 3) 1/8 inch (3 mm) Gray tint.
 - 4) 1/8 inch (3 mm) Bronze tint.
 - 5) 1/8 inch (3 mm) Antique art (semi-obscure).
 - 6) 1/2 inch (12.5 mm) Insulated divided (square top only).
 - 7) 1/2 inch (12.5 mm) Insulated full pane.
- 6. Finish/Color:
 - a. Paint grade: factory primed white - sanding is required prior to top coat; available on medium density overlay plywood panels.
 - b. Stain grade: Available on Mahogany plywood panels.
- 7. Hardware: 14-gauge hinges.
- 8. Springs: torsion springs.
 - a. 10,000 cycle.
 - b. 25,000 cycle.
 - c. 50,000 cycle.
- 9. Lock: Interior mounted slide lock.
- 10. Weatherstripping: Co-extruded PVC bulb-type strip at bottom.
- 11. Track: Provide track as recommended by manufacturer to suit loading required and clearances available.
- 12. Rollers: ball bearing nylon-coated.
- 13. Manual Operation.
- 14. 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