

SECTION 08360  
 SECTIONAL DOORS  
 592 Series Thermacore® Insulated Steel Sectional Doors

- PART 1 - GENERAL**
- 1.01 RELATED DOCUMENTS
- A. All of the Contract Documents, including General and Supplementary Conditions, and Division 1 General Requirements, apply to the work of this Section.
- 1.02 SUMMARY
- A. The work of this Section includes upward-acting sectional doors.
- B. Related Sections: Other specification sections which directly relate to the work of this Section include, but are not limited to, the following:
1. Section 05500 - Miscellaneous Metal; metal framing and supports.
  2. Section 08710 - Finish Hardware; key cylinders for locks.
  3. Section 09900 - Painting; field painting.
  4. Section 16100 - Electrical; wiring.
- 1.03 SUBMITTALS
- A. Product Data: Submit manufacturer's product data and installation instructions for each type of sectional door. Include both published data and any specific data prepared for this project.
- B. Shop Drawings: Submit shop drawings for approval prior to fabrication. Include detailed plans, elevations, details of framing members, required clearances, anchors, and accessories. Include relationship with adjacent materials.
- 1.04 QUALITY ASSURANCE
- A. Manufacturer: Sectional doors shall be manufactured by a firm with a minimum of five years experience in the fabrication and installation of sectional doors. Manufacturers proposed for use, which are not named in these specifications, shall submit evidence of ability to meet performance and fabrication requirements specified, and include a list of five projects of similar design and complexity completed within the past five years.
- B. Installer: Installation of sectional doors shall be performed by the authorized representative of the manufacturer.
- C. 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.
- D. Pre-Installation Conference: Schedule and convene a pre-installation conference just prior to commencement of field operations, to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.
- 1.05 DELIVERY, STORAGE, AND HANDLING
- A. Deliver materials and products in labeled protective packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage from weather, excessive temperatures and construction operations.

- PART 2 - PRODUCTS**
- 2.01 ACCEPTABLE MANUFACTURER
- A. Provide sectional doors by Overhead Door Corporation, Dallas, Texas; Telephone 800-887-3667 or 214-233-6611; Fax 214-233-0367.
- 2.02 THERMACORE® INSULATED STEEL SECTIONAL DOORS
- A. Trade Reference: 592 Series Thermacore® Insulated Steel Doors by Overhead Door Corporation.
- B. Sectional Door Assembly: Metal/foam/metal sandwich panel construction, with EPDM thermal break and ship-lap design. Units shall have the following characteristics:
1. Panel Thickness: 2".
  2. Exterior Surface: Ribbed, textured.
  3. Exterior Steel : .016", hot-dipped galvanized.
  4. End Stiles: 16 gauge with thermal break.
  5. Standard Springs: 10,000 cycles. (High cycles.)
  6. Insulation: CFC-free and HCFC-free polyurethane, fully encapsulated.
  7. Thermal Values: R-value of 17.50; U-value of 0.057.
  8. Air Infiltration: 0.08 cfm at 15 mph; 0.08 cfm at 25 mph.
  9. Pass-Door: Not required. (Optional.)
  10. High-Usage Package: Not required. (Optional.)
  11. Partial Glazing of Steel Panels: (Acrylic glazing.) (Insulated double strength glass.)(Not Required.)
  12. Full Glazing Requiring Aluminum Sash Panels: (Acrylic glazing.) (1/8" double strength glass.)(Insulated double strength glass.)(Not Required.)
- C. Finish and Color: Two coat baked-on polyester with white exterior and interior color.
- D. Windload Design: ANSI/DASMA 102 standards and as required by code.
- E. Hardware: Galvanized steel hinges and fixtures. Ball bearing rollers with hardened steel races.
- F. Lock: Interior mounted slide lock. (Keyed lock.)
- G. Weatherstripping: EPDM rubber bulb-type strip at bottom. (Header seal and jamb weatherstripping.)
- H. Track: Provide track as recommended by manufacturer to suit loading required and clearances available.
- Note: Select type of operation*
- I. Manual Operation: Manual pull rope. (Chain hoist.)
- J. Electric Motor Operation: Provide UL listed electric operator, size and type as recommended by manufacturer to move door in either direction at not less than 2/3 foot nor more than 1 foot per second.
1. Entrapment Protection: (Pneumatic sensing edge up to 18' wide)(Electric sensing edge.)(Photoelectric sensors.)
  2. Operator Controls: (Push-button)(Key)(Push-button and key) operated control stations with open, close, and stop buttons for (flush)(surface) mounting, for (interior)(exterior) (both interior and exterior) location.
- Note: Select from below as applicable*
3. Special Operation: (Vehicle detector operation, radio control operation, card reader control, photocell operation, door timer operation, commercial light package, explosion and dust ignition proof control wiring.)

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**PART 3 - EXECUTION** 3.01 PREPARATION

- A. Take field dimensions and examine conditions of substrates, supports, and other conditions under which this work is to be performed. Do not proceed with work until unsatisfactory conditions are corrected.

3.02 INSTALLATION

- A. Strictly comply with manufacturer's installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and allow for maintenance.
- B. Instruct Owner's personnel in proper operating procedures and maintenance schedule.

3.03 ADJUSTING AND CLEANING

- A. Test sectional doors for proper operation and adjust as necessary to provide proper operation without binding or distortion.
- B. Touch-up damaged coatings and finishes and repair minor damage. Clean exposed surfaces using non-abrasive materials and methods recommended by manufacturer of material or product being cleaned.

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