

SECTION 08 36 00

SECTIONAL DOORS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Insulated Sectional Overhead Doors.

1.02 RELATED SECTIONS

- A. Section 05 50 00 - Metal Fabrications
- B. Section 06 10 00 – Rough Carpentry
- C. Section 08 71 00 - Door Hardware
- D. Section 09 91 00 – Paint
- E. Section 26 05 53 – Identification for Electrical Systems

1.03 REFERENCES

- A. ANSI/DASMA 102 - American National Standard Specifications for Sectional Overhead Type Doors.

1.04 DESIGN / PERFORMANCE REQUIREMENTS

- A. 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.

1.05 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - a. Preparation instructions and recommendations.
 - b. Storage and handling requirements and recommendations.
 - c. 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. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- E. Operation and Maintenance Data.

1.06 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.

1.07 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.

1.08 PROJECT CONDITIONS

- A. Pre-Installation Conference: 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.

1.09 WARRANTY

- A. Warranty: Manufacturer's limited door and operators System warranty for 10 years against delamination of polystyrene foam from steel face and all other components for 1 year and covered under General Conditions of Contract.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturer: Overhead Door Corporation, 2501 S. State Hwy. 121, Suite 200, Lewisville, TX 75067. ASD. Tel. Toll Free: (800) 275-3290. Phone: (469) 549-7100. Fax: (972) 906-1499. Web Site: www.overheaddoor.com. E- mail: A. arcata@overheaddoor.com.
- B. Substitutions: Or an approved equal.

2.02 INSULATED SECTIONAL OVERHEAD DOORS

- A. Insulated Steel Sectional Overhead Doors: 470 Series Insulated Steel Doors by Overhead Door Corporation. Units shall have the following characteristics:
 - 1. Door Assembly: Rigid steel construction; fully insulated on the inside face with continuous steel backing on the inside face. Fabricated with steel end stiles and tongue and groove sections.
 - 2. Panel Thickness: 2 inches (51 mm).
 - 3. Exterior Surface: Ribbed.
 - 4. Exterior Steel: 26 gauge, hot-dipped galvanized with an embossed simulated wood grain texture.

5. Interior Steel: 29 gauge, hot-dipped galvanized
6. Spring Cycle Life: 50,000 cycles.
7. Insulation: Polystyrene.
8. Thermal Values:
 - a. Polystyrene - R-value of 9.83; U-value of 0.102.
9. Windload Design: Provide to meet the Design/Performance requirements specified. Hardware: Galvanized steel hinges and fixtures. Ball bearing rollers with hardened steel races.
10. Lock: Interior mounted slide lock.
11. Weatherstripping:
 - a. Flexible bulb-type strip at bottom section.
 - b. Flexible Jamb seals.
 - c. Flexible Header seal.
12. Track: Provide track as recommended by manufacturer to suit loading required and clearances available.
 - a. Manual Operation: Pull rope.
13. Entrapment Protection: Required for momentary contact, includes radio control operation.
 - a. Photoelectric sensors monitored to meet UL 325/2010.
14. Operator Controls:
 - a. Push-button and key operated control stations with open, close, and stop buttons.
15. Flush mounting.
 - a. Interior location.

2.03 LOW HEADROOM TRACK

- A. Provide low headroom track and verify in field headroom clearance prior to ordering and installation.
- B. See Drawings for door size and clearances.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin installation until openings 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.

3.02 PREPARATION

- A. Clean adjacent 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.

3.03 INSTALLATION

- A. Install overhead doors and track 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. Complete power and control wiring from disconnect to unit components.

3.04 CLEANING AND ADJUSTING

- A. Adjust door assembly to smooth operation and in full contact with weatherstripping.
- B. Clean doors, frames, glass and polycarbonate according to manufacturer's instructions.
- C. Remove temporary labels and visible markings. Do not remove polycarbonate care and maintenance label required to maintain warranty.

3.05 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-