

SECTION 08360

SECTIONAL DOORS

PART I – GENERAL

1. RELATED DOCUMENTS:

- 1.2 All of the Contract Documents, including General and Supplementary Conditions, and Division 1 General Requirements, apply to the work of this Section.

2. SUMMARY:

- 2.1 The work of this Section includes upward-acting sectional doors.
- 2.2 Related Sections: Other specification sections, which directly relate to the work of this Section include, but are not limited to, the following:
- a. Section 05990 - Miscellaneous Metal and Metal Specialties.
 - b. Section 08710 – Door Hardware
 - c. Section 09900 – Painting
 - d. Section 16000 - Electrical

3. SUBMITTALS:

- 3.1 Product Data: Submit manufacturer product data and installation instructions for each type of sectional door. Include both published data and any specific data prepared for this project.
- 3.2 Shop Drawings: Submit shop drawing for approval prior to fabrication. Include detailed plans, elevations, and details of framing members, required clearances, anchors, and accessories. Include relationship with adjacent materials.

4. QUALITY ASSURANCE:

- 4.1 Manufacturer: a firm with a minimum of five experiences in the fabrication and installation of sectional doors shall manufacture 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.
- 4.2 Installer: Installation of sectional doors shall be performed by the authorized representative of the manufacturer.
- 4.3 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.
- 4.4 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.

5. DELIVERY, STORAGE, AND HANDLING:

- 5.2 Deliver materials and products in labeled protective packages. Store and handle in strict compliance with manufacturer instructions and recommendations. Protect from damage from weather, excessive temperatures and construction operations.

PART II - PRODUCTS

1. SECTIONAL DOOR SUPPLIERS:

- 1.1 Approved Manufactures Sectional Overhead Door Manufactures.
 - a. Overhead Door Corporation, Dallas, Texas; Telephone 800-887-3667 or 972-233-6611; Fax 972-233-0367 or the approved equal.
 - b. Raynor - is an approved Sectional OHD manufacturer
Supplied by Wiese Dock and Door Specialist, 1446 south Florence, Wichita, Kansa s67209, (316) 942-1600
 - c. Cornell - is an approved Sectional OHD manufacturer
- 1.2 Sectional Overhead Doors
 - Openings 100f and 100g
(2) 8'-0"wide x 10'-0" motorized, with chain hoist option, high with high lift operation.
 - Opening 100h
(1) 10'-0"wide x 12'-0" motorized, with chain hoist option, high with high lift operation

2. THERMACORE® INSULATED STEEL SECTIONAL DOORS

- 2.1 Trade Reference 595 Series Thermacore Insulated Steel Doors by Overhead Door Corporation.
- 2.2 Sectional Door Assembly: Metal/foam/metal sandwich panel construction, with EPDM thermal break and ship-lap design with rounded water channels. Units shall have the following characteristics:
 - a. Panel Thickness: 1-5/8".
 - b. Exterior Surface: Flush, textured.
 - c. Exterior Steel: 20-gauge, hot-dipped galvanized.
 - d. End Stiles: 16-gauge.
 - e. Standard Springs: 10,000 cycles. (High cycles.)
 - f. Insulation: CFC-free and HCFC-free polyurethane, fully encapsulated.
 - g. Thermal Values: R-value of 14.86; U-value of 0.067.
 - h. Air Infiltration: 0.08 cfm at 15 mph; 0.08 cfm at 25 mph.
 - i. Sound Transmission: Class 26
 - j. Pass-Door: (Required).
 - k. High-Usage Package: Not required
 - l. Hi-Lift Operation
- 2.3 Finish and Color: Two-coat baked-on polyester with white exterior and white interior.
- 2.4 Windload Design: ANSI/DASMA 102-1996 standards and as required by code.
- 2.5 Hardware: Galvanized steel hinges and fixtures. Ball bearing rollers with hardened steel races.
- 2.6 Lock: Interior mounted slide lock. (Tumbler keyed lock.)

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- 2.7 Weather-stripping: EPDM rubber tube seals fitted inside joints between sections. EPDM rubber bulb-type strip at bottom. (Header seal and jamb weather-stripping.)
- 2.8 Track: Provide track as recommended by manufacturer to suit loading required and clearances available.
- 2.9 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.
 - a. Entrapment Protection: Pneumatic sensing edge up to 18 wide.
 - b. Operation Controls: Push-button and key operated control stations with open, close, and stop buttons for surface mounting, for interior location.

PART III – EXECUTION

- 1. **PREPARATION:**
 - 1.1 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.
- 2. **INSTALLATION:**
 - 2.1 Strictly comply with manufacturers installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and allow for maintenance.
 - 2.2 Instruct Owners personnel in proper operating procedures and maintenance schedule.
- 3. **ADJUSTING AND CLEANING:**
 - 3.1 Test sectional doors for proper operation and adjust as necessary to provide proper operation without binding or distortion.
 - 3.2 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.

End of Section 08360