

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:
- 2.2.1 Section 05500 - Miscellaneous Metal and metal framing and supports.
- 2.2.2 Section 08700 - Finish Hardware; key cylinders for locks.
- 2.2.3 Section 09900 - Painting- field painting.
- 2.2.4 Section 16100 - Electrical- wiring.

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. Provide sectional doors by:
 - 1.1 Overhead Door Corporation, Dallas, Texas; Telephone 800-887-3667 or 972-233-6611; Fax 972-233-0367
 - 1.2 Reddi Overhead Door Group LLC, Wichita, Kansas, Telephone 316-265-4634
 - 1.3 Cheny Door Company, Wichita, Kansas, Telephone 316-262-2098
 - 1.4 Or approved equal.

(1) 12'-6" w x 11'-6" h with high lift door (305c). Field verify existing opening

Refer to drawings for exact location.

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:
 - 2.2.1 Panel Thickness: 1-5/8".
 - 2.2.2 Exterior Surface: Flush, textured.
 - 2.2.3 Exterior Steel: 20-gauge, hot-dipped galvanized.
 - 2.2.4 End Stiles: 16-gauge.
 - 2.2.5 Standard Springs: 10,000 cycles. (High cycles.)
 - 2.2.6 Insulation: CFC-free and HCFC-free polyurethane, fully encapsulated.
 - 2.2.7 Thermal Values: R-value of 14.86; U-value of 0.067.
 - 2.2.8 Air Infiltration: 0.08 cfm at 15 mph; 0.08 cfm at 25 mph.
 - 2.2.9 Sound Transmission: Class 26
 - 2.2.10 High-Usage Package: Not required
 - 2.3 Finish and Color: Two-coat baked-on polyester with color selected by Architect.
 - 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.)
 - 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.
 - 2.9.1 Entrapment Protection: Pneumatic sensing edge up to 18 wide.
 - 2.9.2 Operation Controls: Push-button and key operated control stations with open, close, and stop buttons for surface mounting, for interior location.
- 3. **ALTERNATE 8** - Commercial Aluminum Garage Doors - CA 315 Heavy Duty Frame as manufactured by Haas Door Co. Or approved equal.
 - 3.1 Garage Door - General:
 - 3.1.1 Framing: Sections shall be 1.75 inches (44.5 mm) thick full tubular aluminum framework with 0.125 inch (3.18 mm) wall thickness wherever hardware attaches. Vertical stiles and horizontal rails shall be assembled using internal steel thru-bolts. Horizontal meeting rails shall have tongue and groove joints. Center stiles are 1 inches (25 mm). Meeting rails are 4 inches (102 mm).
 - 3.1.2 Doors are built to meet or exceed standards established by ANSI/DASMA 102-2011.
 - 3.1.3 Panels:
 - A. Glazing and solid panels as selected shall be set in a continuous glazing sealant and held in place by inside vinyl snap-in glazing bead.
 - 3.1.4 End Stile:
 - A. 6 inch (152 mm).
 - 3.1.5 Bottom Rail:
 - A. 6 inch (152 mm).
 - 3.1.6 Top Rail:
 - A. 6 inch (152 mm).
 - 3.1.7 Color & Finish
 - A. Anodized Aluminum – Color to be selected by Architect.
 - 3.1.8 Glazing Types:
 - A. Insulated
 - B. Low E - Solar Ban 60, Tempered.
 - 3.2 Windload Design: ANSI/DASMA 102-1996 standards and as required by code.

- 3.3 Hardware: Galvanized steel hinges and fixtures. Ball bearing rollers with hardened steel races. Or approved system for selected door assembly.
- 3.4 Lock: Interior mounted slide lock. (Tumbler keyed lock.)
- 3.5 Weather-stripping: EPDM rubber tube seals fitted inside joints between sections. EPDM rubber bulb-type strip at bottom. (Header seal and jamb weather-stripping.)

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