

The Genuine. The Original.



SECTION 08 36 00
SECTIONAL OVERHEAD DOORS

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**** NOTE TO SPECIFIER ** Overhead Door Corporation; Commercial Sectional Overhead Door products.**

**This section is based on the products of Overhead Door Corporation, which is located at:
2501 S. State Hwy. 121 Suite 200**

Lewisville, TX 75067

Toll Free Tel: (800) 275-3290

Tel: (469) 549-7100

Fax: (972) 906-1499

Email: arcat@overheaddoor.com

Web: <http://www.overheaddoor.com>

Overhead Door Corporation pioneered the upward-acting door industry, inventing the first upward-acting door in 1921 and the first electric door opener in 1926. Today, we continue to be the industry leader through the strength of our product innovation, superior craftsmanship and outstanding customer support, underscoring a legacy of quality, expertise and integrity. That's why design and construction professionals specify Overhead Door Corporation products more often than any other brand.

This specification includes Overhead Door Corporation Commercial Sectional Overhead Door products including Insulated Sectional Overhead Doors, Steel Sectional Overhead Doors, Glazed Aluminum Sectional Overhead Doors, and Knockout Sectional Overhead Doors. Contact Overhead Door for support in selecting doors to meet your criteria.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Steel Sectional Overhead Doors.
- B. Operating Hardware, tracks, and support.

1.2 RELATED SECTIONS

**** NOTE TO SPECIFIER ** Delete any sections below not relevant to this project; add others as required.**

- A. Section 03 30 00 - Cast-in-Place Concrete.
- B. Section 04 22 00 - Surface-Bonded Concrete Unit Masonry.
- C. Section 05 50 00 - Metal Fabrications.
- D. Section 06 11 00 - Wood Framing.
- E. Section 07 90 00 - Joint Protection.

- F. Section 08 71 53 - Security Door Hardware.
- G. Section 09 90 00 - Painting and Coating.
- H. Section 11 12 26 - Parking Fee Coin Collection Equipment.
- I. Section 26 27 16 - Electrical Cabinets and Enclosures.
- J. Section 26 05 00 - Common Work Results for Electrical.

1.3 REFERENCES

**** NOTE TO SPECIFIER ** Delete references from the list below that are not actually required by the text of the edited section.**

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

1.4 DESIGN / PERFORMANCE REQUIREMENTS

**** NOTE TO SPECIFIER ** Edit the following paragraph for power operators as required. Delete if not required.**

- A. Wiring Connections: Requirements for electrical characteristics.
 - 1. 115 volts, single phase, 60 Hz.
 - 2. 230 volts, single phase, 60 Hz.
 - 3. 230 volts, three phase, 60 Hz.
 - 4. 460 volts, three phase, 60 Hz.
- B. 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 01 30 00.
- 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. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- E. 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.

1.8 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.

1.9 WARRANTY

**** NOTE TO SPECIFIER ** Warranty for Series 418, 422, 421, 423, 426, 427, 432, 416, 429, 424, 430, 511 and 521 commercial sectional doors is 1 Year and covered under General Conditions of Contract.**

- A. Warranty: Manufacturer's limited door and operators System warranty for 10 years against delamination of polystyrene foam from steel face.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Overhead Door Corporation, which is located at: 2501 S. State Hwy. 121 Suite 200; Lewisville, TX 75067; Toll Free Tel: (800) 275-3290; Tel: (469) 549-7100; Fax: (972) 906-1499; Email:arcat@overheaddoor.com; Web:<http://www.overheaddoor.com>
- B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

2.2 STEEL SECTIONAL OVERHEAD DOORS

**** NOTE TO SPECIFIER ** Overhead Door Corporation 423 Series Steel Doors are available up to a maximum width of 14 feet 2 inches and a maximum height of 24 feet 1 inch. Edit as required to suit project requirements.**

- A. Insulated Steel Sectional Overhead Doors: 423 Series Insulated Steel Doors by Overhead Door Corporation. Units shall have the following characteristics:
 - 1. Door Assembly: Insulated steel door assembly of roll formed steel type with tongue and groove meeting rails and box shaped 20 gauge stile construction.
 - a. Panel Thickness: 2 inches (51 mm).
 - b. Exterior Surface: Ribbed.
 - c. Exterior Steel: 20 gauge, galvanized steel
 - d. Center and End Stiles: 20 gauge steel.
 - e. Insulation: 1-5/8 inch expanded polystyrene.
 - f. Thermal Values:
 - 1) Polystyrene - R-value of 7.64;
 - 2. Finish and Color: Two coat baked-on polyester with white exterior and white interior color.

**** NOTE TO SPECIFIER ** Edit the following paragraphs using the applicable building code to determine the actual loading required. Coordinate with the manufacturer for the selection of doors to meet the required criteria.**

3. Wind Load Design: Design as calculated in accordance with applicable code as follows:
 - a. Design pressure of plus 50.0/ minus 56.0 lb/sq ft.
4. Hardware: Galvanized steel hinges and fixtures. Ball bearing rollers with hardened steel races.

PART 3 EXECUTION

3.1 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.

3.2 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.

3.3 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.

3.4 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.

3.5 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