



## SECTION 08360

### SECTIONAL OVERHEAD DOORS

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Sectional Overhead Doors

##### 1.2 RELATED SECTIONS

- A. Section 04810-Unit Masonry Assemblies
- B. Section 05100-Structural Metal Framing
- C. Section 06100- Rough Carpentry
- D. Section 09900- Paints and Coatings
- E. Section 16050- Wiring Connections

##### 1.3 REFERENCES

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

##### 1.4 SUBMITTALS

- A. Submit under provisions of Section 01300
- B. Shop Drawings: Show in detail opening and clearance dimensions. Include elevations of sections and track. Include section finish, gauge and non standard options. Show detail of jamb material and connections.
- C. Verification Samples: Two samples, minimum 6 inches square, representing actual actual product selected.
- D. Operation and Maintenance data.

##### 1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products in this

section with minimum five years experience.

- B. Installer Qualifications: Authorized representative of the manufacturer with minimum five years documented experience.

## 1.6 DELIVERY, STORAGE AND HANDLING

- A. Store products in manufacturer's unopened packaging until installation.
- B. Store materials in a dry, weathertight location.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

Acceptable Manufacturers: General Doors Corporation, which is located at One Monroe St.; Bristol, PA 19007; Tel: 215-788-9277; Fax 215-788-9450; Email: [sales@general-doors.com](mailto:sales@general-doors.com); Web: [www.general-doors.com](http://www.general-doors.com)

### 2.2 INSULATED STEEL SECTIONAL OVERHEAD DOORS

- A. General Doors Corporation Model 24 Gauge Insulated
  - 1. Door Assembly: Roll formed steel pan type construction. Doors comply with:
    - a. ANSI/DASMA 102 – American National Standard Specifications for Sectional Overhead Type Doors.
  - 2. Door Model: 24 Gauge Insulated
  - 3. Panel Thickness: 2 inches
  - 4. Exterior Surface: Roll formed smooth surface with two deep reinforcing ribs and four shallow grooves.
  - 5. Exterior Steel: Pre-Painted 0.023 inches, hot dipped galvanized. Two coat baked on paint system, enamel primer and a 1.0 mil thick polyester finish coat.
  - 6. Insulation: 1-7/16" expanded polystyrene with an R-value of 6.7. Back covers shall be:
    - a. .040" thick white high impact ABS vinyl
    - b. 26 gauge pre-painted white steel
  - 6. End Stiles:
    - a. Single end caps: 16 gauge galvanized
    - b. Double end caps: 16 gauge galvanized
  - 7. Center Stiles: 18 Gauge
  - 8. Torsion Springs:
    - a. 10,000 cycles
    - b. 25,000 cycles
    - c. 50,000 cycles
    - d. 75,000 cycles
    - e. 100,000 cycles
      - 1. Mounted on 1" tube (14 ga. Min)
      - 2. Mounted on 1" CRS solid shaft keyed full length
  - 9. Windows:
    - a. none
    - b. 24 x 7 1/8" Plexiglass
    - c. 24 x 7 3/16" Polycarbonate
    - d. full view aluminum section glazed with 1/8" DSB glass-color matched
    - e. full view aluminum section glazed with 1/8" tempered glass-color matched
    - f. full view aluminum section glazed with 1/8" acrylic(Plexiglass)-color matched
    - g. full view aluminum section glazed with 1/8" polycarbonate(Lexan)-color matched

10. Exterior Colors:
  - a. manufacturer's standard white
  - b. manufacturer's standard bronze
11. Wind Load Design:
  - a. ANSI/DASMA 102 standards to meet applicable code
  - b. 15 psf/ 90 mph
  - c. 20 psf/ 105mph
12. Track and Operating Hardware:
  - a. Standard lift
  - b. High lift
  - c. Vertical Lift
  - d. Low headroom
  - e. Roof incline
  - f. High lift w/ Roof Incline
13. Hardware: Heavy duty galvanized hinges and fixtures. Floating ball bearing rollers with hardened steel races. Galvanized aircraft cables, 7x19 construction, minimum 5:1 safety factor.
14. Lock:
  - a. Inside slide, spring activated
  - b. Exterior keyed cylinder with lock bars
15. Track:
  - a. 2 inches wide, roll formed galvanized
  - b. 3 inches wide, roll formed galvanized
16. Seals:
  - a. Vinyl weatherseal full width of door, bottom section.

## 2.3 FABRICATION

- A. Check site dimensions prior to fabrication

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify opening dimensions, jambs plumb, level and square

### 3.2 INSTALLATION

- A. Install assembly in accordance with manufacturer's instructions.
- B. Assemble work plumb, true, square, straight, level and accurate as per drawings
- C. Position jamb weather seal to contact door when closed.

### 3.4 ADJUSTING

- A. Adjust door to ensure smooth operation through open and close cycle. Use manufacturer approved lubricant on all bearings.

### 3.5 DEMONSTRATION

- A. Demonstrate proper operation to user.

END OF SECTION

