



## 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 FULL-VIEW ALUMINUM SECTIONAL OVERHEAD DOORS

- A. General Doors Corporation Model Full-View Aluminum.
  - 1. Door Assembly: Extruded 6053-T5 Aluminum. Doors comply with:
    - a. ANSI/DASMA 102-2011 American National Standard Specifications for Sectional Overhead Type Doors.
  - 2. Door Model: Full-View Aluminum
  - 3. Frame Thickness: 1.75 inches
  - 4. Finish:
    - a. clear anodized
    - b. bronze anodized
    - c. pre-painted white
    - d. custom powder coat or anodized
  - 5. Solid Panels:
    - a. smooth .050" thick aluminum
    - b. embossed .017 thick aluminum laminated to ½" thick polystyrene
    - c. embossed .017 thick aluminum laminated to ½" thick plywood
  - 6. Solid Sections:
    - a. Model Weather Breaker 175 section
  - 7. Glazing:
    - a. open for glazing by customer
    - b. 1/8" DSB glass
    - c. 1/8" tempered glass
    - d. ¼" clear laminated(safety) glass
    - e. ¼" white laminated(safety) glass
    - f. 1/8" acrylic(Plexiglass)
    - g. 1/8" polycarbonate(lexan)
    - h. ½" insulated glass
    - i. ½" tempered insulated glass
    - j. ¼" twin wall(ribbed) polycarbonate
  - 8. Bottom Rail:
    - a. 3-3/8 inch
    - b. 5-3/8 inch
    - c. 7-3/8 inch
  - 9. Top Rail:
    - a. 3-3/8 inch
    - b. 5-3/8 inch
  - 10. Meeting Rails: 3-3/4 inch combined
  - 11. Center Stiles:
    - a. 2 inch
    - b. 3-1/2 inch

12. Reinforcing: Integral fin at each intermediate rail.
13. End Stiles:
  - a. 3-3/8 inch
  - b. 5-3/8 inch
  - c. 7-3/8 inch
14. 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
15. 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
16. 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.
17. Lock:
  - a. Inside slide, spring activated
  - b. Exterior keyed cylinder with lock bars
18. Track:
  - a. 2 inches wide, roll formed galvanized
  - b. 3 inches wide, roll formed galvanized
19. Seals:
  - a. Vinyl weatherseal full width of door, bottom section.
  - b. Standard continuous, replaceable dual seals between sections.

## 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