



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; Web: www.general-doors.com

2.2 INSULATED STEEL SECTIONAL OVERHEAD DOORS

- A. General Doors Corporation Model Weather Breaker 175-20.
 - 1. Door Assembly: Steel/Polyurethane/Steel sandwich panel construction. Doors comply with:
 - a. ANSI/DASMA 102 – American National Standard Specifications for Sectional Overhead Type Doors.
 - 2. Door Model: Weather Breaker 175-20
 - 3. Panel Thickness: 1.75 inches
 - 4. Exterior Surface: Flush pattern with a non-repeating random stucco surface texture.
 - 5. Exterior Steel: Pre-Painted 0.037 inches, hot dipped galvanized. Two coat baked on paint system, enamel primer and polyester finish coat.
 - 6. Interior Surface: Rib pattern with a non-repeating random stucco surface texture.
 - 7. Interior Steel: Pre-painted 0.016 inches, hot dipped galvanized.
 - 8. End Stiles:
 - a. Single end caps: 16 gauge galvanized
 - b. Double end caps: 16 gauge galvanized
 - 9. Torsion Springs:
 - a. 10,000 cycle
 - b. 25,000 cycle
 - c. 50,000 cycle
 - d. 75,000 cycle
 - e. 100,000 cycle
 - 1. mounted on 1" tube (14ga. min)
 - 2. mounted on 1" CRS solid shaft keyed full length
 - 10. Insulation: Foamed in place CFC-free and HCFC-free polyurethane, fully encapsulated.
 - 11. Thermal Value: R=16.4, U=0.61
 - 12. Windows: a. none
 - b. sealed glass 24 inches by 8 inches
 - c. sealed glass 24 inches by 12 inches
 - d. sealed glass 36 inches by 16 inches
 - e. sealed acrylic oval 26 inches by 13 inches
 - f. insulated full view aluminum section – color matched
 - g. non-insulated full view aluminum section – color matched
 - 13. Exterior Colors:
 - a. manufacturer's standard white

14. Wind Load Design:
 - a. ANSI/DASMA 102 standards to meet applicable code
 - b. 15psf/90mph
 - c. 20psf/105mph
15. Track and Operating Hardware:
 - a. standard lift
 - b. high lift
 - c. vertical lift
 - d. low headroom
 - e. high lift with roof pitch
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 lock, spring activated
 - b. exterior keyed cylinder with lock bars
18. Track:
 - a. 2" wide, roll formed galvanized
 - b. 3" wide, roll formed galvanized
19. Seals:
 - a. Vinyl weatherseal full width of door, bottom and top sections.
 - 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

