



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 NPC138.
 - 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: NPC138
 - 3. Panel Thickness: 1-3/8 inches
 - 4. Exterior Surface: Light Ribbed(Flush, Raised Panel) pattern with a woodgrain texture.
 - 5. Exterior Steel: Pre-Painted 26 Gauge, hot dipped galvanized. Two coat baked on paint system, enamel primer and polyester finish coat.
 - 6. Interior Surface: V-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: 18 gauge galvanized
 - b. Double end caps: 18 gauge galvanized
 - 9. 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
 - 10. Insulation: Foamed in place CFC-free and HCFC-free polyurethane, fully encapsulated.
 - 11. Thermal Value: R=12, U=0.465
 - 12. Windows:
 - a. none
 - b. sealed glass 24 inches by 8 inches
 - c. sealed glass 24 inches by 12 inches
 - d. sealed glass 34 inches by 16 inches
 - e. sealed glass 22 inches by 14 inches- color matched
 - 13. Exterior Colors:
 - a. manufacturer's standard white
 - b. manufacturer's standard brown
 - c. manufacturer's standard sandtone

- d. manufacturer's standard almond
 - e. manufacturer's standard desert tan
 - f. manufacturer's standard grey
 - g. manufacturer's standard café
 - h. manufacturer's standard black
 - i. manufacturer's standard bronze
14. Wind Load Design:
- a. ANSI/DASMA 102 standards to meet applicable code
 - b. 15 psf/ 90 mph
 - c. 20 psf/ 105mph
15. Track and Operating Hardware:
- a. Standard lift
 - b. High lift
 - c. Vertical Lift
 - d. Low headroom
 - e. 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 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