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 ASSSURANCE

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 NON-INSULATED STEEL SECTIONAL OVERHEAD DOORS

A. General Doors Corporation Model 24 Gauge.
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 Non-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. 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