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 INSULATED STEEL SECTIONAL OVERHEAD DOORS

A. General Doors Corporation Model Weather Breaker 200-20.
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 200-20
3. Panel Thickness: 2 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=18.28
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