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 NPC200.
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: NPC200
3. Panel Thickness: 2 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=18, U=0.311
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
    f. full view aluminum with specified glazing
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