

## 02875 SHELTERS

\*\*\*\*\*

### *SPECIFIER:*

*CSI MasterFormat 2004 number 10 73 00*

\*\*\*\*\*

### 1.1 GENERAL

#### A. SUMMARY

B. Section Includes: Prefabricated framework and roof deck for a clear span without center columns delivered to a site for installation by Contractor.

#### C. Related Sections:

1. 03300 - Concrete.
2. 07310 - Asphalt Shingles.
3. Division 7 - Thermal and Moisture Protection.
4. 09900 - Painting of Unpainted Surfaces.

### 1.2 REFERENCES - comply with latest edition of the following documents:

- A. American Institute of Steel Construction.
- B. American Society of Civil Engineers (ASCE) 7.
- C. Florida Building Code (FBC).

### 1.3 SYSTEM DESCRIPTION

- A. Steel columns, glulam framing, and wood deck.
- B. Sloped roof system and foundations as specified elsewhere.

### 1.4 SUBMITTALS

- A. Provide signed and sealed shop drawings by the Florida registered professional engineer.
  1. Shop drawings shall include, but not be limited to, sufficient engineering information for the Project A/E to evaluate and adjust, if required, the foundation and roof design.
- B. Wind loading design shall comply with American Society of Civil Engineers (ASCE) 7.
  1. Provide calculations and connection details, signed and sealed by a Florida registered professional engineer, establishing wind velocity pressure values for the specific project, according to FBC and ASCE 7.

### 1.5 QUALITY ASSURANCE

- A. Pre-Installation Meeting: Review and coordinate shop drawings, construction documents, foundation plans, anchor bolt placements, roofing installation, roof drainage systems, and plumbing and electrical connections, if any.

## 1.6 WARRANTY

- A. Provide manufacturer's 5 year labor and materials warranty.

## 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Manufacturer shall crate, ship, and deliver to project site.
- B. Acceptance at Site: Verify entire inventory has been delivered and in undamaged condition. Document missing and damaged items.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Shelters:
  - 1. Cambridge Designs, Greenville, AL.
  - 2. Enwood Structures, Morrisville, NC.
  - 3. RCP Shelters, Stuart, FL.
  - 4. Western Wood Structures, Inc. OR.
  - 5. Structural Wood Systems, AL.

### 2.2 MATERIALS

- A. Columns: Structural steel tubes, hot dipped galvanized.
- B. Glue-laminated Wood Roof Support Structure: Southern Yellow pine, minimum pitch of 3:12.
- C. Roof Deck: 2" nominal minimum depth, random length, #2 or better, Southern Yellow pine, tongue and grooved.
- D. Fascia: 2" x 6", pressure treated, #1 Southern Yellow pine.
- E. Wood Finish: Exterior, semi-transparent, oil-base finish.
- F. Gutters: Stainless steel according to Section 07620 – RA Steel Blocking and Sheet Metal.
- G. Roof Shingles: According to Section 07310 - Asphalt Shingles.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Before erection, verify foundation layout, anchor bolts location, and other items for the timely and proper installation of the prefabricated shelter.

### 3.2 INSTALLATION

- A. Contractor shall install prefabricated shelter according to accepted shop drawings and manufacturer's recommendations.

END OF SECTION