

SECTION 02875

SHELTERS

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Prefabricated framework and roof deck for a clear span without center columns delivered to a site for installation by Contractor.
- B. Related Sections:
  - 1. 03300 - Concrete.
  - 2. 07310 - Asphalt Shingles.
  - 3. 07600 - Flashing and Sheet Metal.
  - 4. 09900 - Painting.
  - 5. Division 7 - Thermal and Moisture Protection.

1.02 REFERENCES

- A. American Institute of Steel Construction.
- B. American Society of Civil Engineers (ASCE) 7-98.
- C. Florida Building Code.

1.03 SYSTEM DESCRIPTION

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

1.04 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) 7-98.

1. Provide calculations and connection details, signed and sealed by a Florida registered professional engineer, establishing wind velocity pressure values according to ASCE 7-98 based on a wind speed of 146 mph, exposure category "C", and a wind load importance factor of 1.15.

1.05 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.

1.06 WARRANTY

- A. Provide manufacturer's 5 year limited warranty.

1.07 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

2.01 MANUFACTURERS

- A. Shelters:
  1. Cambridge Designs, Greenville, AL.
  2. Enwood Structures, Morrisville, NC.
  3. RCP Shelters, Stuart, FL.
  4. Unit Structures, Debary, FL.

2.02 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 07600 - Flashing and Sheet Metal.
  - G. Roof Shingles: According to Section 07310 - Asphalt Shingles.

PART 3 EXECUTION

3.01 EXAMINATION

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

3.02 INSTALLATION

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

END OF SECTION