

**GUIDE SPECIFICATIONS - DOME
FIBERGLASS SPECIALTIES, INC.
HENDERSON, TEXAS**

1.0 GENERAL

1.1 DESCRIPTION

Dome shall be of prefabricated of fiberglass reinforced polyester (FRP) as manufactured by Fiberglass Specialties, Inc., Catalog number _____ (insert catalog number or Custom Design)

1.2 QUALITY ASSURANCE

Manufacturer Qualification: Manufacturer shall be regularly engaged in the manufacture of similar items for a minimum of ten (10) years, and shall have a history of successful custom production acceptable to the architect.

1.3 SUBMITTALS

Submit manufacturer's specifications, product data, shop drawings, and color/finish samples upon request, prior to fabrication of unit.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Contractor shall provide sufficient labor and equipment to unload product upon delivery.
- B. Once delivered, the products should be handled with proper equipment and stored in such a way so as not to cause damage to the unit.

2.0 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

Fiberglass Specialties, Inc.
P.O. Box 1340
Henderson, TX 75653
Phone: (800)527-1459 Fax: (903)657-2318

2.2 MATERIALS

- A. Fiberglass reinforced polyester shall have properties within the following ranges:

Flexural Strength	ASTM D-790	10,000 - 24,000 psi
Tensile Strength	ASTM D-638	10,000 - 14,000 psi
Compressive Strength	ASTM D-695	18,000 – 27,000 psi
- B. Unit shall be adequately reinforced to prevent warping and buckling of surface panels, with adequate strength to withstand wind speeds of up to 120 mph. An engineering report with a seal for the state in which the project is located is required.
- C. Any required anchoring members shall be tubular steel. No structural lumber shall be allowed.
- D. All components shall be prefit at the factory to assure proper fit and ease of installation.
- E. Finish: (*Standard units*): Unit shall have smooth, high gloss polyester gel-coat finish, in white or special color as specified by architect. (*Custom designs*): Unit shall have matte finish, or special finish to duplicate surface specified by architect. Color shall be white, or special color as specified by architect.
- F. All gel coats shall be of low styrene content to prevent yellowing or color shift.
- G. All resins shall meet UL 84 for flame retardant and self extinguishing characteristics.

3.0 EXECUTION

3.1 DELIVERY TO SITE

Domes 12' and under shall be delivered as one complete unit. Domes 16' to 24' shall be delivered in 2 bolt together sections. Domes over 24' diameter shall be shipped in the large sections. All assembly bolts shall be provided by manufacturer, attachment (bolt or weld) hardware by contractor.

3.2 INSTALLATION

Installation shall be by an experienced contractor using anchor points provided by manufacturer and using anchor rods or bolts as specified architect or engineer of record.

3.3 WARRANTY

The manufacturer shall provide a written 2 year warranty against defects in materials and workmanship.

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