

FIBERGLASS REINFORCED PLASTIC (FRP) SCALLOPED FLAT COVER SYSTEM



This enclosure system is well suited for larger rectangular tank openings where clearance is not a factor and the foundation may be limited in carrying side thrust.

FRP is most advantageous in meeting structural requirements in hostile environments. Syntechnics' free spanning scalloped flat covers are structurally designed to handle appropriate live, wind, and unbalanced loading conditions. Various accessories such as windows, duct connections, vents, personnel doors and equipment hatches are readily available, sized to meet operating conditions.

Benefits of FRP

Non-corrosive	Ease of erection
Self-supporting	Non-conductive
Minimum number of panels	Minimum maintenance

*Basic Design is per ASCE7

Design Guide

Rib Height	4'±
Spans	30'-50'

SynTechnics offers a variety of structural enclosures for applications ranging from weather protection to odor control. SynTechnics' designs are available for both standard and customized structural systems based on customer requirements. These systems provide durable monolithic members which complement field erection procedures and structural integrity.

TYPICAL DETAILS

1. Laminate thickness and fiberglass reinforcing type to be determined by exact loading conditions.
2. The panels are joined by an interlocking weathertight joint and can be adapted with a compatible gasket for limiting air transfer.
3. Stainless Steel anchor bolts are recommended.
4. Panels are fabricated in shippable lengths.

SynTechnics actively solicits inquiries on special requirements. The SynTechnics organization is geared to design and manufacture FRP custom structural systems where the material has a cost effective benefit versus other materials. SynTechnics' experienced engineering staff is well versed in structural analysis of FRP structures.

