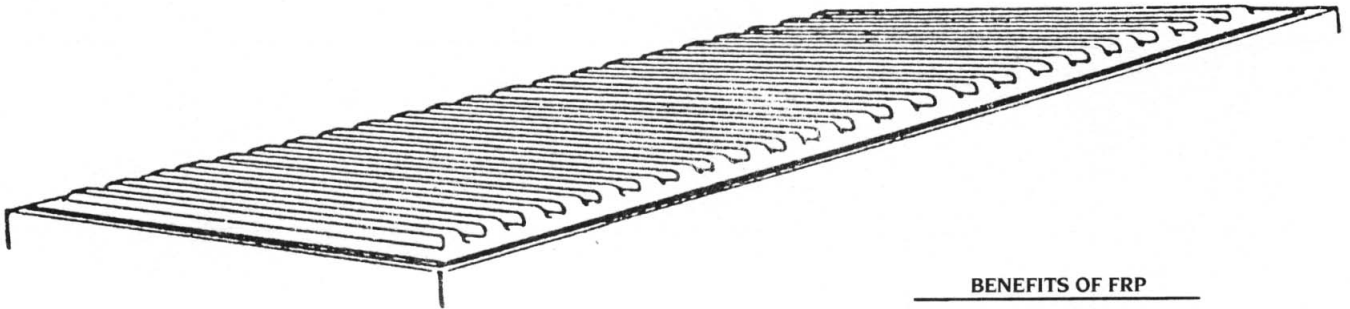


# FIBERGLASS REINFORCED PLASTIC (FRP)

## CORRUGATED FLAT COVER SYSTEM

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



### DESIGN GUIDE

|            |           |
|------------|-----------|
| Rib Height | 8" - 12"  |
| Spans      | 15' - 35' |

Basic Design is per ASCE7

### BENEFITS OF FRP

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

FRP is most advantageous in meeting structural requirements in hostile environments. Various accessories such as windows, duct connections, vents, personnel doors and equipment hatches are readily available, sized to meet operating conditions. 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.

