

# ELAN

## Technologies

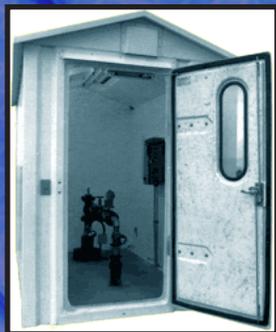
### Inc.



# PLASTI-FAB, INC.

## Fiberglass Shelters, Chlorinator Shelters & Large Enclosures

### PROTECTION FROM THE ELEMENTS



- Chlorinator Shelters
- Equipment Enclosures
- Custom Shelters

**ELAN Technologies** represents Plasti-Fab shelters but we have become quite familiar with other manufacturers which vary greatly in construction, quality and price.

#### FRP Construction

Others use 1" polyurethane foam insulation sandwiched between two FRP sheets, and incorporate a wooden structural framework. This method of construction is virtually the same with all FRP building manufacturers, except for Plasti-Fab. Plasti-Fab buildings are engineered to withstand heavier wind & snow loads and resist corrosion from severe environments better than any other type of FRP shelter on the market.



All walls and doors in Plasti-Fab buildings are laminated of FRP with foam structural insulation. No wood or metal is used. Most shelters support their "sandwich style" flat wall panels on wood or metal studs. Wood/metal can eventually get wet and rot or rust. Not only are Plasti-Fab structural walls corrosion resistant, they also apply hand laid fiberglass into all seams and corners, which keeps moisture out of the framing areas and foam insulation.

#### Ribbed Walls

On larger shelters (6'x6' and over) Plasti-Fab utilizes a 2" ribbed wall section which gives the shelter much more stability and better insulation characteristics. The wall panels on most FRP buildings are made with 1" polyurethane foam insulation sandwiched in-between two flat FRP sheets. The ribbed wall sections remain stiffer than flat panels even on wall sections over 30' long. Any time the application calls for longer wall sections or higher eave heights, the ribbed wall design is structurally stronger and aesthetically more pleasing than the flat wall sections. Choice of colors available.

#### Heavy Duty Hardware

Plasti-Fab uses very heavy duty 3/16" thick stainless steel door hardware and long tang stainless steel hinges with 1/2" diameter s/s hinge pins. These last longer than the standard anodized doorknob and thin gage s/s piano hinge used by other manufacturers. Piano hinges are normally screwed or pop riveted into a wood jamb, not through bolted. Plasti-Fab bolts their hinges through the FRP wall or door. High density foam is used in these locations for a ridged connection. Other non-corrosive features and options include: NEMA 4X fiberglass breaker box, glass filled polycarbonate fan blades on purge fans, corrosion resistant light base with vapor tight bulbs and FRP shroud and screen on vent openings.

The features above highlight why Plasti-Fab buildings are considered the most durable FRP shelter available. They will last considerably longer, and are commonly used in tough military, chemical feed and coastal applications or where very large dimensions are required. However Plasti-Fab costs more than other types of flat wall FRP shelters. Because of price difference, each building should be evaluated on its own features as they apply to the project requirements and client preferences.

#### Contact ELAN Technologies

**ELAN also offers data logging rain gauges, multiple channel dataloggers, solar powered instruments and other innovative monitoring solutions. Contact ELAN Technologies at 815-463-8105 for details.**

**ELAN Technologies**  
14627 Edison Drive  
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# ELAN Technologies FIBERGLASS SHELTERS

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## Fully-Insulated Large Ribbed Shelters 5-12 ft. wide X 12 - 20 ft. long

Standard Sizes: 6' x 6' up to 12' x 20' long are factory assembled and can be shipped directly to the job-site. Larger custom Shelters are fabricated to ship in sections for on-site assembly. Units are available in sizes ranging up to 20' x 40'. Standard Available eave heights are 7ft., 8 ft and 12 ft.

Custom, made-to-order shelters are a specialty. Plasti-Fab's reputable quality design and construction allows you to configure a virtually no-maintenance, all-plastic FRP protection for your specific control, instrumentation or equipment housing. contains no laminated wood or metal to rust or decay.

### Features

- Fully Insulated
- All Plastic: Low maintenance FRP
- K-Factor: 0.14 BTU/hr/ft<sup>2</sup>/°F/in (R-7)
- Ribbed Exterior : 2" ribbed wall with 1" thick core
- Flat, Smooth Interior
- Wind resistance: Withstands 125 mph
- Snowload: 40 psf.

### Electrical

Standard electrical packages may include a NEMA rated control panel, lights, outlets, fans, heaters, switches, pre-wired.

### Options Available

Integral floor  
Door width options  
Raised all-weather sill  
Conventional flush sill  
Air conditioners  
Fire suppression equipment  
High performance resin  
Windows  
Skid mounting  
Electrical packages  
Sound suppression  
Roof hatches  
Lifting lugs

- Pre-Assembled: Sizes up to 12 ft. wide
- Magnetic Transparency
- Tamper Resistant Door: Equipment Security
- Stainless Steel Hinges: 1/2" hinge pins
- Equipment Mount: laminated channel strut
- Factory Assembled: Easy installation
- Standard colors: Custom colors available

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## Insulated Standard Small Shelters with integral floors (Models 1-6xl)

Also referred to as walk-in enclosures, Plasti-Fab offers standard sizes of corrosion resistant, fully-insulated shelters for instrumentation, controls, chlorination, sampling and communications. Having the same general benefits of our larger shelters, they feature low maintenance, electrical nonconductivity, and are not susceptible to rust or decay.

### Sizes:

Model #1: 5'-4" x 2'-4" deep

Model #2: 5'-4" x 4'-4"

Model #3A: 5'-4" x 2'-9"

Model #5: 5'-4" x 4'-9"

Model #5XL: 5'-4" x 6'-9"

Model #6: 5'-4" x 4'-9" with center partition

Model #6XL: 5'-4" x 6'-9" with center partition

### Standard Hardware

Three point door catch

Stainless steel padlockable door handle.

Heavy corrosion-resistant hinges of stainless steel.

Door holder keeps door open in wind.

Rain drip visor over door

Standard electrical packages per application.

### Available Options:

Laminated glass or polycarbonate window

NEMA 4x 15 Amp. breaker panel

Sealed incandescent light

110 volt convenience outlet

Weathertight exterior switch

Screened vent

210 cfm dual exhaust fans

500 watt 120 volt heater

3/4" plastic floor drain

Lifting eyes

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## Sampler Shelters

Available in fully insulated or general purpose models to provide complete security and weatherization for expensive instrument and sampler systems.

- NEMA 3R
- Corrosion Resistant
- Seamless Construction
- Integral Floor
- Insulated/Non-Insulated Models

### Available Options:

- Dual 100 cfm exhaust fans provide ventilation and circulation for better temperature control.
- 500 Watt heater with Integral Thermostat
- Electrical Connection
- 4-plex outlet
- Drain Fitting

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