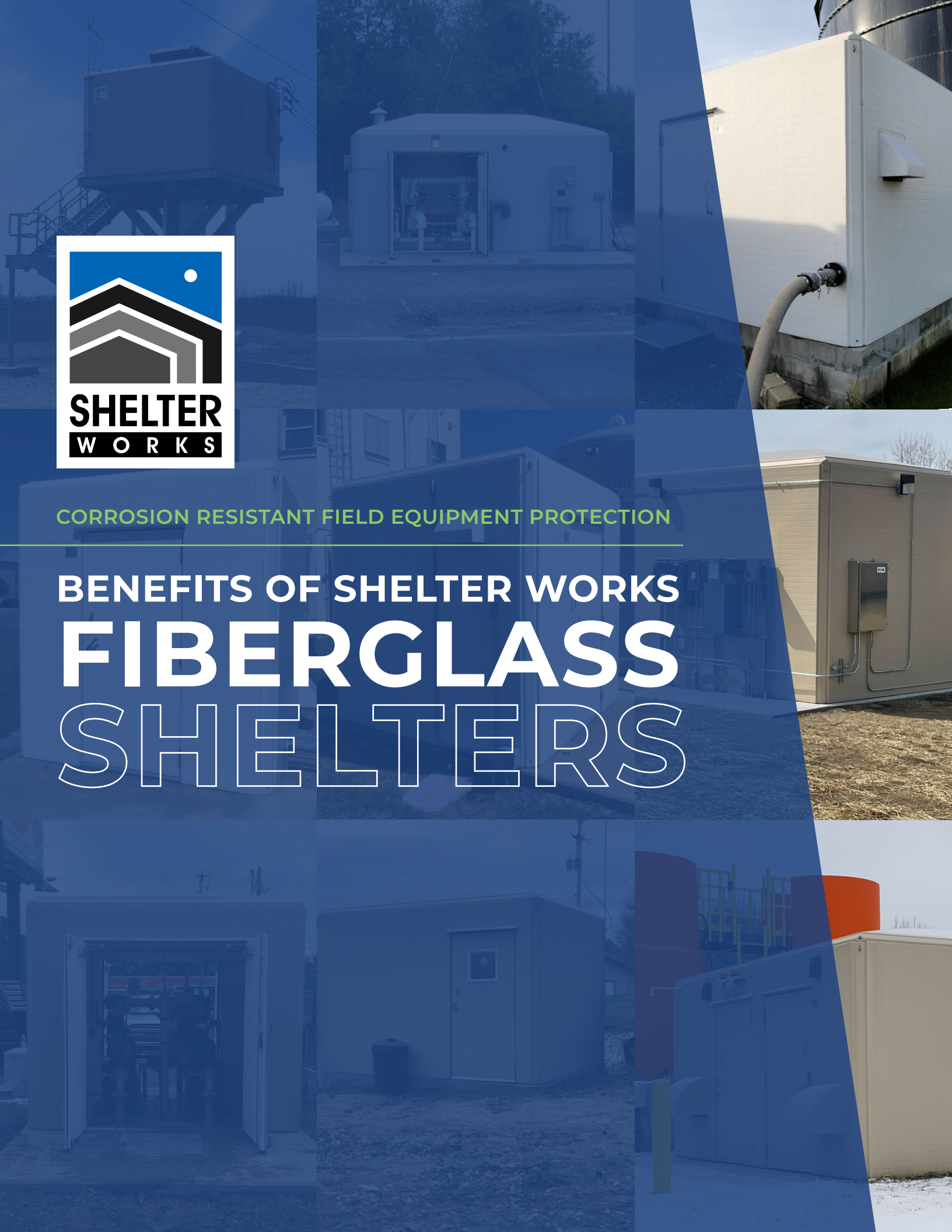




CORROSION RESISTANT FIELD EQUIPMENT PROTECTION

BENEFITS OF SHELTER WORKS

FIBERGLASS SHELTERS





FIELD EQUIPMENT SHELTERS THAT WON'T RUST, ROT, CORRODE, OR DECAY

When choosing a protective solution for your water and wastewater equipment, you'll find that a fiberglass shelter from Shelter Works is second to none. Our fiberglass reinforced plastic (FRP) buildings and enclosures are some of the strongest and most customizable equipment shelters available. For a durable and low-maintenance product that protects your critical field equipment, choose **Shelter Works**.

EXPERIENCE THE DIFFERENCE

Our customers need long-lasting, maintenance-free structures that will be aesthetically pleasing for the lifetime of the building. The unique characteristics of Shelter Works' fiberglass field equipment shelters make them naturally resistant to cracking, peeling, and dents, all catalysts for rot and corrosion.

Metal buildings experience corrosion in the form of rust or pitting that can weaken the overall structure. Preventable with the use of coatings, paints, and other inhibitors, these solutions require regular maintenance and can increase the overall lifetime cost of the building.

Wood shelters will experience wood rot caused by moisture and fungi that deteriorate the timber used in stick-built construction. Once discovered, rot requires the replacement of the affected wood. The best prevention for wood rot is routine maintenance and repainting of areas that exhibit cracking and peeling.

FIBERGLASS STRENGTH

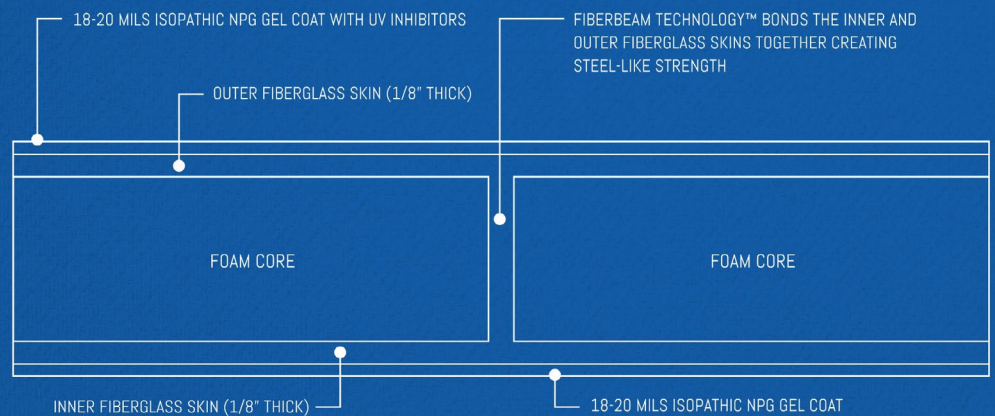
Fiberglass enclosures offer superior resistance to chemicals and other corrosive elements. The fiberglass, resin, and gel coats we utilize are the same used to produce today's marine craft, transportation equipment, and aircraft.



The fiberglass assembly provides a strong, corrosion-resistant structure. The gel coat molecularly bonds to the fiberglass during the manufacturing process, strengthening the properties of the composite. Together they provide unbeatable protection from moisture, chemicals, and UV rays that won't rust, rot, corrode, or decay.



FIBERBEAM™ TECHNOLOGY



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CHEMICAL FEED SHELTERS AT WATER TREATMENT PLANT



Shelter Works provided three chemical feed shelters to a new water treatment plant that serves a southwest Texas community. The facility was built to deliver **2,000,000 gallons of water per day** to the residents and businesses it serves. The processes at this plant require certain chemicals be added to the water to maintain potable water.

In order to facilitate proper processing of the water for the town, three separate Shelter Works buildings were required to protect the field equipment used for these processes.

- + The first building protects anti-scalant dosing equipment that adds a pretreatment water additive for the reverse osmosis system.
- + The second shelter protects the duplex chemical system used to raise the pH levels of the water by using dosing pumps that carefully manage the addition of sodium hydroxide which controls the water's acidity.

- + The third building houses the equipment that ensures that the calcium chloride stays at the levels, required by law, to prevent any biological growth.

We spoke with Allan Wright, Site Construction Manager of H2O Innovation, who explained how the system functions and why Shelter Works buildings were specified. "Our company has worked with Shelter Works in the past and has been really pleased with the quality of the field equipment buildings Shelter Works provides,"



"SHELTER WORKS MAKES SOME REALLY GREAT PRODUCTS SO WE COULDN'T BE HAPPIER."

ALLAN WRIGHT, SITE CONSTRUCTION MANAGER
H2O INNOVATION



LEACHATE PUMP STATION AT COUNTY LANDFILL

Somerset County, Maryland recently decommissioned the Fairmount Wastewater Treatment Plant and extended the sewer lines to link to an existing wastewater plant in the nearby Westover Sewer System. The project included demolishing the Fairmount plant, upgrading the pumps at the Fairmount Pump Station, and running a force main from the pump station to the Westover Sewer System.

By running a force main 5 ½ miles to connect to the Westover system, they extended service and allowed for the sewer transfer of treated leachate from the Somerset County landfill. Shelter Works provided a replacement shelter for the existing leachate pump station at the landfill.



ENVIRONMENTAL FACTORS

Somerset County sits on Maryland's Eastern Shore between the Chesapeake Bay and the Atlantic. It experiences average rainfalls of 45 inches a year and average humidity of 77%. A fiberglass field equipment shelter will have a longer lifespan than other building materials when exposed to high levels of moisture from both the weather and the leachate collection process.

The building included an electrical package consisting of a load center and LED lighting. To accommodate the average winter temperature lows of 29° the shelter's insulation was increased, providing an R-Value of 15. A heater was also installed to ensure the pumps would not freeze on the occasions when temperature lows dipped into the teens.



“SHELTER WORKS FIBERGLASS ENCLOSURES ARE A GREAT OPTION FOR PROTECTING THE EQUIPMENT FOR A LANDFILL PUMPING STATION. LEACHATE IS VERY CORROSIVE AND COULD DAMAGE OTHER TYPES OF SHELTERS. BECAUSE IT IS RESISTANT TO CORROSIVE ELEMENTS, CHEMICALS, AND GASSES FOUND IN A LANDFILL ENVIRONMENT, FIBERGLASS IS AN IDEAL MEDIUM FOR HOUSING A LEACHATE PUMP STATION.”

DWIGHT SWAN, SALES ENGINEER
ENVIREP/TLC ENVIRONMENTAL



THREE ROOM SHELTER SOLUTION FOR CHEMICAL FEED SYSTEM

CHEMICAL FEED SYSTEM NEEDED

When a permit came up for certain nutrient limits in DuPage County, Illinois, Deuchler Engineering began designing an enhanced phosphorus removal system for the Knollwood Waste Water Treatment plant and called upon Drydon Equipment, Inc. to supply the equipment needed.

CUSTOM SOLUTION

The system's design required the building to have three completely separate compartments. The first room houses the chemical feed system, the second room protects the water heater, and the third compartment safeguards the computers, instrumentation, and controls that comprise the SCADA system.

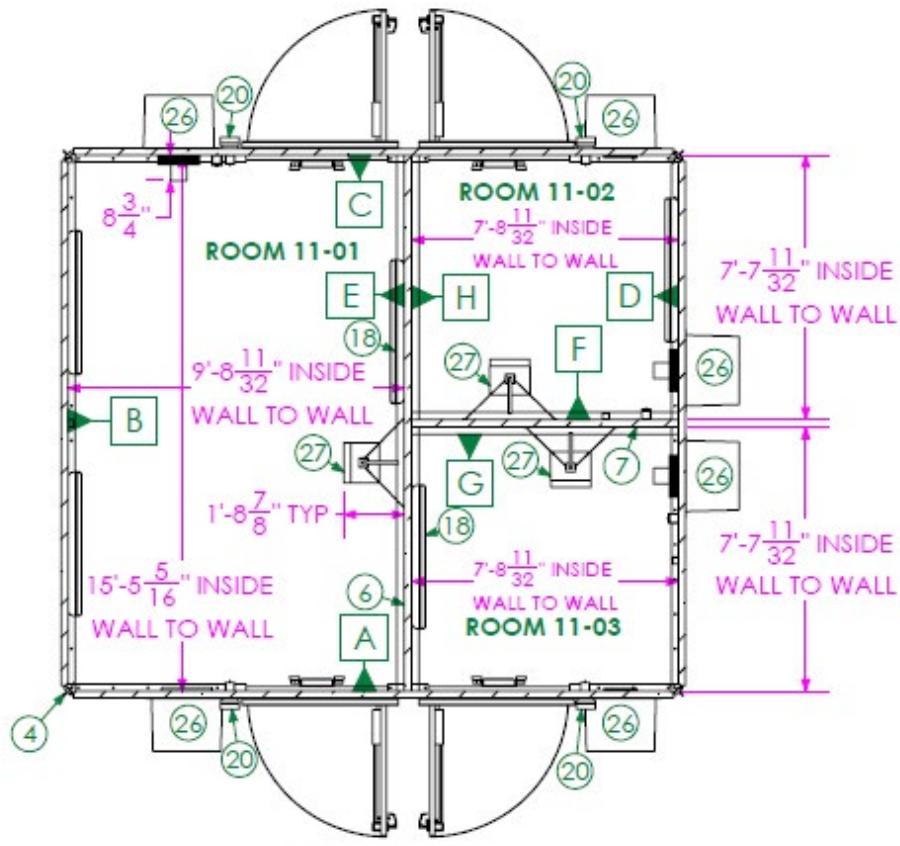
The end-user chose fiberglass construction because the phosphorus removal system utilizes ferric chloride, which is highly corrosive to most metals. In addition to keeping the processes and their equipment separate from each other, the building needed to be chemical resistant.



"EVERYONE WAS HAPPY TO HAVE THIS COST-EFFECTIVE SOLUTION ALL IN ONE GREAT-LOOKING FIBERGLASS BUILDING. WE WERE ABLE TO INSTALL IT QUICKLY AND EFFICIENTLY IN A MATTER OF HOURS. . . SHELTER WORKS ALLOWS US TO DELIVER THE WHOLE PACKAGE—NOT JUST THE EQUIPMENT ITSELF BUT ALSO THE BEST PROTECTION FOR THAT EQUIPMENT AT A GREAT PRICE."

GEORGE ARGIRIS, SALES ENGINEER
DRYDON EQUIPMENT, INC.





PLAN VIEW

REQUEST A QUOTE



INDUSTRY LEADING WARRANTY



When you work with Shelter Works, you can specify with confidence. All of our fiberglass shelters are backed by our industry leading 25 year warranty.

IF IT WAS BUILT
BY SHELTER
WORKS, IT WAS
**BUILT
FOR LIFE**



QUALITY IN SHELTER WORKS

We take a tremendous amount of care in designing the highest quality shelters - engineering each element for unmatched durability. We combine top-quality components with our innovative **FiberBeam™** and **FiberWrap™** technologies to ensure the integrity of our products.



BUILT FOR LIFE

Our shelters are put through extensive quality checks to make sure that each one will perform to expectations and live up to our claim. We back that up with an industry-leading **25 year warranty** so you can have the peace of mind knowing your field equipment is protected.



WHY FIBERGLASS IS BETTER

- + **Maintenance Free** – A molded fiberglass shelter will last for decades exposed to the harshest elements without any noticeable deterioration. The gel coat may eventually fade but the FRP composite will remain as strong as the day it was delivered.
- + **Lowest Lifetime Cost of Ownership** – Because you don't have to paint, repair or replace it, there is no costly maintenance. The shelter pays for itself many times over during its long and useful life.
- + **Easy to Install** – The shelter arrives fully assembled and ready to set in place using common construction site equipment.
- + **Energy Efficient** – Shelter Works' unique manufacturing process creates continuous insulation throughout the walls, roof and doors, with no thermal bridges. The foam insulation, encapsulated within the fiberglass, protects it from damage and will retain its insulation properties for the life of the shelter.
- + **Performs in Any Environment** – The durability of a Shelter Works shelter remains unchanged, even in extreme temperatures, hurricane winds, Alaskan snow loads, and coastal climates. Fiberglass can easily withstand humidity, chemical exposure, and other corrosive environments.
- + **Customizable** – Every shelter is engineered to order.



**BUILT
FOR LIFE**

We are an American-based manufacturer of fiberglass equipment buildings with over forty years of experience in designing and manufacturing equipment enclosures for every industry. We take pride in the quality and durability of our equipment buildings and are dedicated to delivering the right protective solution and optimal operating environment for your critical field equipment. We provide equipment protection solutions for both industrial and municipal applications throughout the country.

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