

OVERVIEW

Associated Fiberglass Enterprises offers

a complete package of services including design, engineering, pattern work, mold making, fabrication, assembly and shipping to serve you.

AFE's one-piece **FIBERGLASS SHELTERS** provide a lightweight, corrosion-resistant, insulated building which is easy to install and virtually maintenance free. The exterior and interior surfaces are covered with polyester gel coat which eliminates the need for painting. The gasketed door prevents leakage while built-in lifting eyes make these units simple to lift into place. The shelters are insulated with one-inch isocyanurate foam in the walls, roof and door. This fiberglass laminate encapsulated foam has an R-value greater than 6.

AFE fabricates atmospheric pressure **TANKS** for corrosive and non-corrosive applications systems to ASTM D3299 standards. Most conventional configurations are available. AFE fabricates **TANKS** and **VESSELS, PIPE & DUCTWORK** with 4' diameters to 12' diameters and lengths up to 24'. The tanks can be insulated and equipped with heating provisions.

TANKS: Vertical cylindrical sidewalls. Domed, flat or open tops. Flat, dished or cone bottoms. With horizontal, domed ends on saddles. Rectangular, flat bottoms, open or covered tops. Cone bottomed fiberglass tanks on steel stands engineered to resist seismic zone 4 earthquake forces. Custom rectangular tanks for corrosive applications.

VESSELS: AFE makes atmospheric pressure vessels for scrubbers, dechlorinators and other specialized services.

PIPE & DUCTWORK: Large diameter hoop-wound pipe and ductwork along with hand built transition ducts are available for air and fume handling service.

AFE's fiberglass **MANHOLES** have a high glass-to-resin ratio without fillers to combine both strength and light weight for ease of installation and trouble free service. All AFE manholes are built to ASTM D3753 specifications.

The EZ-liners for **REHABILITATION LINERS FOR MANHOLE AND LIFT STATIONS** range in diameters from 30" to 12' for the rehabilitation of existing brick or concrete manholes and lift stations. Depths range from 2' to 40' and are readily available.

The fiberglass **WET WELLS, SUMPS & LIFT STATIONS** range in diameters from 30" to 12' with depths up to 40'. All have heavily reinforced bottoms, hold down rings and open flanged tops. They are engineered to withstand ground water and soil pressures.

EQUIPMENT COVERS for pumps and other equipment can be insulated for environmental control and/or noise abatement. Heaters and ventilation can be incorporated. They are available in several sizes and colors.

Our **SPECIALTY** products can be incorporated into marketing campaigns, cost saving **ARCHITECTURAL** components. In *fifty years* we've produced everything from amusement park rides to *very large domes* to one of a kind custom components.



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Mailing: P.O. Box 14335 Fort Worth TX 76117 • Physical: 2417 Weaver Street Fort Worth TX 76117 • Voice: 800-798-6561/817-838-6786 • Fax: 817-838-6789 • Web: www.afetexas.com • Email: sales@afetexas.com

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SHELTERS

AFE's one-piece fiberglass shelters

provide a lightweight, corrosion-resistant, insulated building which is easy to install and virtually maintenance free:

- The exterior and interior surfaces are covered with polyester gel coat which eliminates the need for painting.
- Gasketed door prevents leakage. Built-in lifting eyes make these units simple to lift into place.
- The shelters are insulated with one-inch isocyanurate foam in the walls, roof and door.
- The fiberglass-laminate encapsulated foam has an R-value greater than 6. Standard sizes range from 2'-4" long x 4'-6" wide to 12'-0" long x 12'-0" wide.
- Extended lengths are available.
- AFE shelters have pre-wired corrosion-resistant fixtures.

Standard equipment includes a fan (intake or exhaust), vent, electrical panel, duplex outlets, vapor-tight lamp, stainless steel hardware, and equipment mounting provisions. Options include a window in the door, heater, panic bar, fire-retardant construction and partitions.



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ASSOCIATED FIBERGLASS ENTERPRISES

SHELTERS

MODEL NUMBER	SIZE		
	L	W	H
2854	2'-4"	4'-6"	7'-0"
4848	4'-0"	4'-0"	7'-0"
5472	4'-6"	6'-0"	7'-0"
7272	6'-0"	6'-0"	7'-0"
9672	8'-0"	6'-0"	7'-0"
7296	6'-0"	8'-0"	7'-0"
9696	8'-0"	8'-0"	7'-0"
12096	10'-0"	8'-0"	7'-0"
72120	6'-0"	10'-0"	7'-0"
96120	8'-0"	10'-0"	7'-0"
120120	10'-0"	10'-0"	7'-0"
96144	8'-0"	12'-0"	8'-0"
144144	12'-0"	12'-0"	8'-0"

AND CUSTOM DIMENSIONS!

STANDARD FEATURES:

- Fiberglass reinforced polyester skins with one inch isocyanurate foam insulating core.
- White UV protective polyester gelcoat outside and inside.
- 125 amp, main lug, 8-branch circuit breaker panel in a NEMA 3R plastic enclosure.
- Pre-wired using 12 ga. Wiring in U.L. listed non-metallic flexible conduit.
- Two duplex outlets
- Interior vapor-resistant incandescent lamp.
- Corrosion resistant fan (intake or exhaust) with screened fiberglass hood.
- Fixed aluminum ventilation louver.
- External weatherproof separate switch for fan and lamp.
- Stainless steel lockset, stainless steel piano hinge, door gasket.
- Cadmium plated lifting eye(s).
- Spring cushioned crash stop on door.
- Fiberglass awning over doorway.
- Equipment mounting board laminated to interior wall.

"H" IS SIDEWALL HEIGHT. DOOR IS NORMALLY ON "W" SIDE OF SHELTER.



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MANHOLES

Manholes

- Built to **ASTM D3753** Glass-Fiber-Reinforced Polyester Manhole specifications.
- Standard sizes are **42"** diameter through **96"** diameter, and lengths up to **36'**.
- Superior strength and stiffness. AFE's manholes are fabricated using continuous filament reinforcement for maximum hoop strength and stiffness against backfill and ground water loads.
- Superior impact resistance. AFE uses no fillers (sand, etc.) in its manholes that would make them brittle and subject to handling damage.
- Lightweight. AFE achieves the required stiffness to meet the criteria of the **ASTM D3753** Fiberglass Manhole specifications for H2O Highway



001 Concentric Corbel for Maximum Strength. Eccentric also available

002 Heavy Structural Reinforcing Band

003 Lightweight, one piece, monolithic construction. No joint to leak

004 Use Standard 24" Ring & Cover. Other openings available.

005 Clearly labeled for Identification

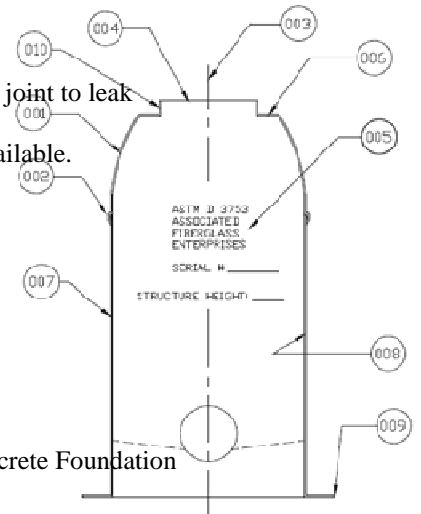
006 Extra wide ledge makes brick coursing easier

007 Thick hoop-wound shell has superior strength

008 Smooth Interior Walls

009 Economical, Quick, Simple Installation on Wet Concrete Foundation

010 Rugged 3" Collar



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WETWELLS/LINERS

Fiberglass Wetwells and Liners

Since 1959, Associated Fiberglass Enterprises has been manufacturing customized fiberglass products for various applications and customers, using chop-hoop winding and vacuum forming methods of fabrication to process fiberglass reinforced polyester, vinyl ester, fire-retardant and corrosion resistant resins.



Wetwells/Liners

- High glass-to-resin ratio, without fillers, to combine both strength and light weight for ease of installation and trouble-free service.
- Built to **ASTM D3753** specifications. Standard sizes ranging from **24"** diameter to **12'** diameter and depths of **20 feet** or more.
- AFE fabricated hoop-wound fiberglass Lift Station liners are available up to 12'-0" diameter and depths to 20'-0" or **greater**. The liners have heavily reinforced bottoms, hold down rings and solid tops.



Lift Stations/Valve Vaults

- AFE liners are engineered to withstand ground water and soil pressures. They are the perfect solution to almost any lift station in need of rehabilitation.
- AFE fabricates hoop-wound fiberglass wetwells, sumps, and valve vaults. Sizes range from 24" diameter to 12' diameter and depths to 20' or **greater**.
- All have heavily reinforced bottoms, hold down rings, and open, flanged tops. They are engineered to withstand ground water and soil pressures.



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TANKS/VESSELS

Tanks

AFE fabricates atmospheric pressure tanks for corrosive and non-corrosive applications, using the highly efficient hoop winding system, to ASTM D3299 standards. Most conventional configurations are available:

- Vertical Cylindrical Sidewalls
- Domed, Flat or Open Tops
- Flat, Dished or Cone Bottoms
- Horizontal, Domed Ends, on Saddles
- Rectangular, Flat Bottoms, Open or Covered tops

Vessels

AFE also makes atmospheric pressure vessels for scrubbers, dechlorinators and other specialized services.

Pipe & Duct Work

Large diameter hoop-wound pipe and ductwork along with hand built transition ducts are available for air and fume handling service.

Equipment Covers

Covers for pumps and other equipment can be insulated for environmental control and or noise abatement. Heaters and ventilation can be incorporated. They are available in several sizes and colors.



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ARCHITECTURAL

Beginning in 1959,

AFE pioneered the development of fiberglass steeples. AFE's architectural products have been installed in all fifty states and overseas. They have successfully weathered the extremes of Alaska's winters, Arizona's summers and the fury of coastal hurricanes. AFE has been the choice of architects throughout the nation for engineered fiberglass products:

- Steeples , Dormers, Facades
- Interior and Exterior Domes
- Column Covers
- Decorative Ornaments
- Sound diffuser panels

Since 1959, Associated Fiberglass Enterprises has been manufacturing customized fiberglass products for various applications and customers. AFE uses various methods of fabrication to process fiberglass reinforced polyester, vinyl ester, fire-retardant and corrosion resistant resins.

AFE offers a complete package of services including design, engineering, pattern work, mold making, fabrication, assembly and shipping to serve you.



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SPECIALTY

With nearly 50 years experience, AFE can translate your ideas into reality. A full range of services from concept to completion is available:

- Design and Engineering
- Pattern Making
- Mold Making
- Fabrication
- Assembly



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