

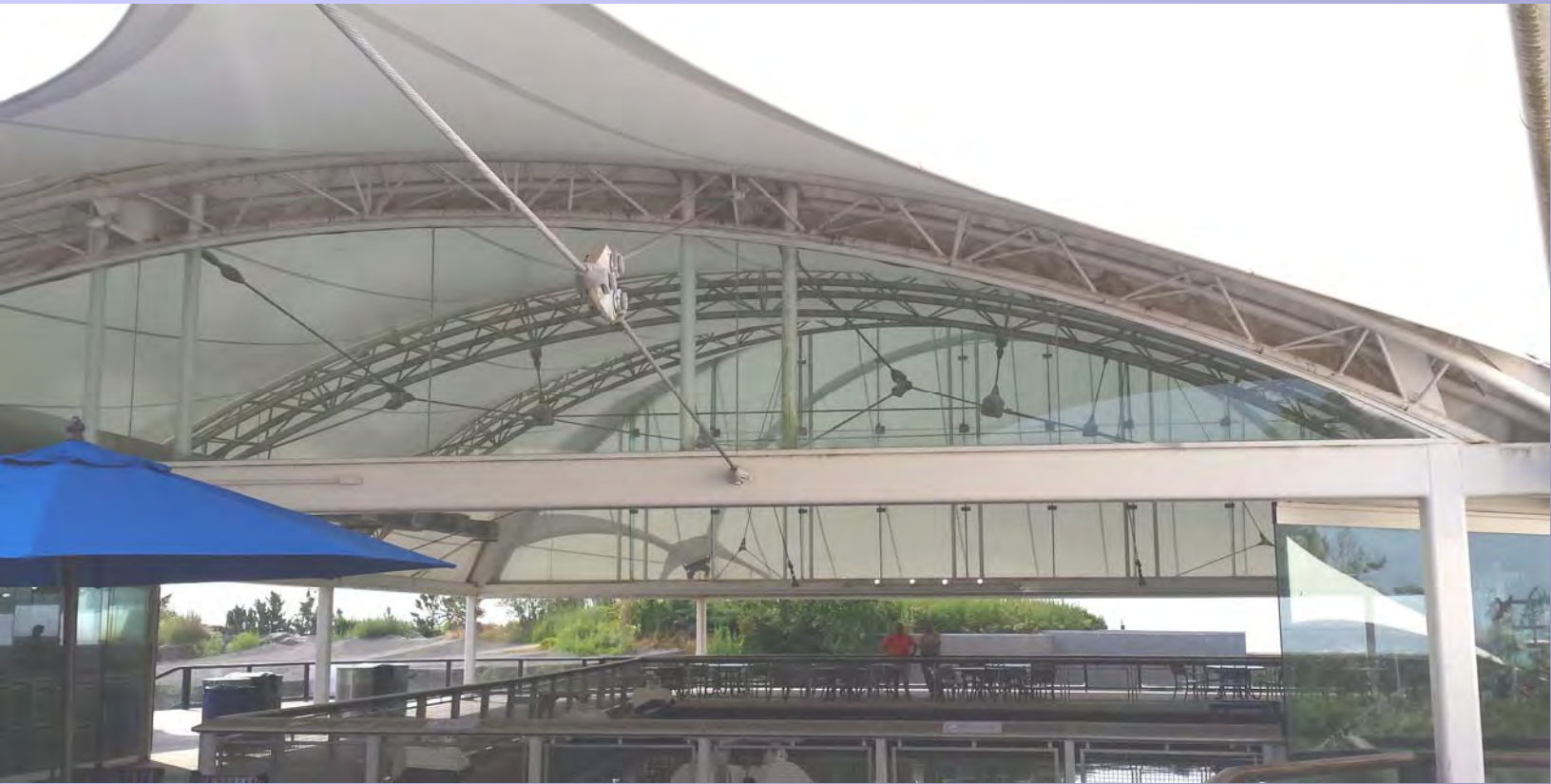
Design

Material

Service

Construction

Management



Providing high quality designed & customized tension, frame and tensile membrane solutions to new clients and existing building owners



Design

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At **Signature Structures** we believe our customers become our partners and long term relationships start when a project is successfully completed. Our mission is to be the best in the business, and our signature makes this guarantee on every contract.

We specialize in providing high quality designed & customized tension, frame and tensile membrane solutions to new clients and existing building owners. We offer new frame & cable support structure design and complete revitalization and refurbishing of existing fabric structures. Our team has a track record of success with new and redesigned structure systems that are backed with a comprehensive warranty for any project, new or existing, for the long term. Any project, anywhere, any material, all to specification with Signature's experienced team and inclusive warranty program.



"Signature Structures combination of professionalism, reputation, knowledge and price could not be touched by any other company; and after several interviews, we decided to move forward with the Signature Team.

Although, we knew we picked the best company for the job; it is the patrons and players who continually give confirmation!"

City of Coquitlam



"From the start of the project Signature has been able to support all our requests and technical requirements. The powder coated steel is really strong, environment friendly and the finish is excellent. Structurally they meet all the wind snow and collateral load requirements."

Service & Maintenance



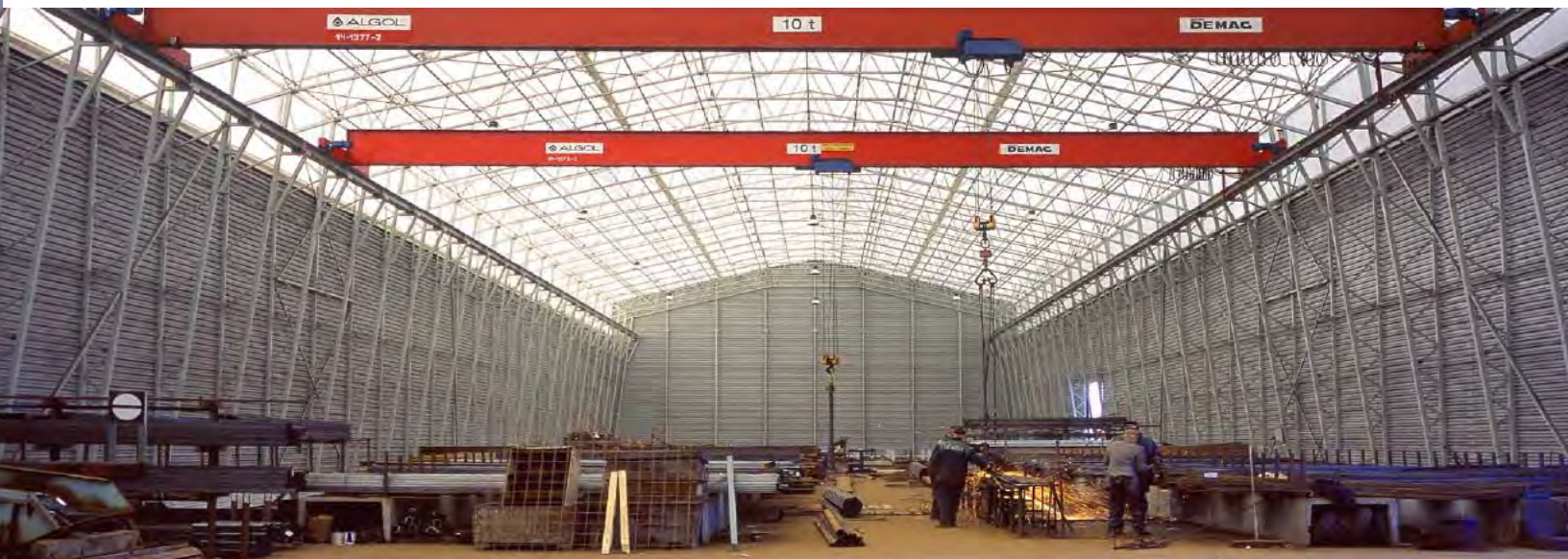
"Because of the tight construction schedule and extensive event schedule including football, soccer games, concerts, training camp, etc., it was critical that Signature Structures meet our deadlines and have the building completed to meet a June opening date. Throughout this process, Signature Structures has met or exceeded the expectations of this organization.

We would look forward to working with Signature's team again in the future as a result of this experience and would certainly recommend their product and services to other organizations."

The Kraft Group



We work with every client to determine the right solution. We then design, engineer, manage & construct our systems to meet budget, specific project goals and structural requirements.



*Our **Signature** means we stand behind our building with pride and a solid commitment to our clients.*



Call Signature Structures for a consultation and project review 610.882.9030
 email us info@SignatureStructures.net and visit us at www.SignatureStructuresHome.com
 312 East Broad Street, Bethlehem, PA 18018



Design

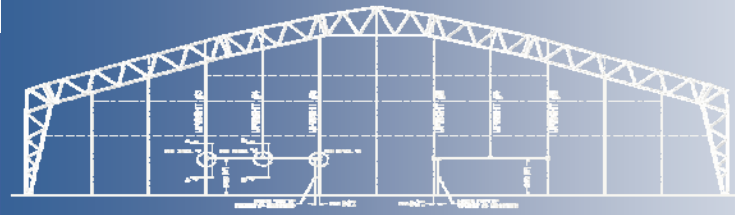
BEST-HALL®

Material

Service

Construction

Management



Signature Structures is excited to bring to market a designed building solution to our customers.

Our reputation as a custom membrane structure company extends to the Best Hall™ standard product line. The consultative sales process combined with our engineering and construction professionals are backed by

The Signature Difference.

The Best Hall / Signature Structures relationship provides our customers with a leading industry team. Backed with 40 years of pioneering experience, encompassing complete project management and quality controls, proven worldwide with over 4,000 buildings around the globe.

“With Signature we found a company that shares our common values; trust, honesty and a commitment to putting the customer first. They fit into our Five Star Service Program with their value added services and quality standards :

- Comprehensive management
- Strong service competence
- Strong product competence
- High quality
- The forerunner in construction

A partnership is a matter of honor and Signature & Best Hall share this belief!”

**Leif Fagnäs, Managing Director
Best Hall**

“With Best Hall we have the ability to meet our customers needs for a high quality fabric structure solution time and time again. We have found no better company in the industry to partner with. Signature offers their standard building systems throughout the United States and support the supply chain with design, engineering, project management and construction services.

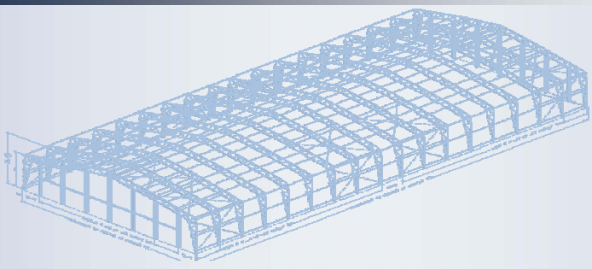
Working with Best Hall allows us to focus on our customers. We know the quality to expect from their

- ISO Quality Standards
- Durability and Longevity
- The Signature Difference

Our partnership is based on mutual trust and respect. Best Hall and Signature are together for the long term benefit of our clients”

**John Dufal, President
Signature Structures**





Signature provides framed tension structures that are:

- Quick to assemble, versatile, modern & bright
- Flexible and adaptive to different needs
- Insulated, lined, divided or extended over time
- Meeting IBC building codes & with complete engineering packages

Signatures Best Structure can be provided with

- Protective wall materials (metal or membrane)
- Opaque or translucent roof systems
- All standard buildings components





- All Sport Halls
- Hockey, & Lacrosse
- Tennis Centers
- Indoor Football Arenas
- Gymnasiums
- Collegiate and High School Training Facilities
- Basketball

ALL SPORTS

ALL RECREATION

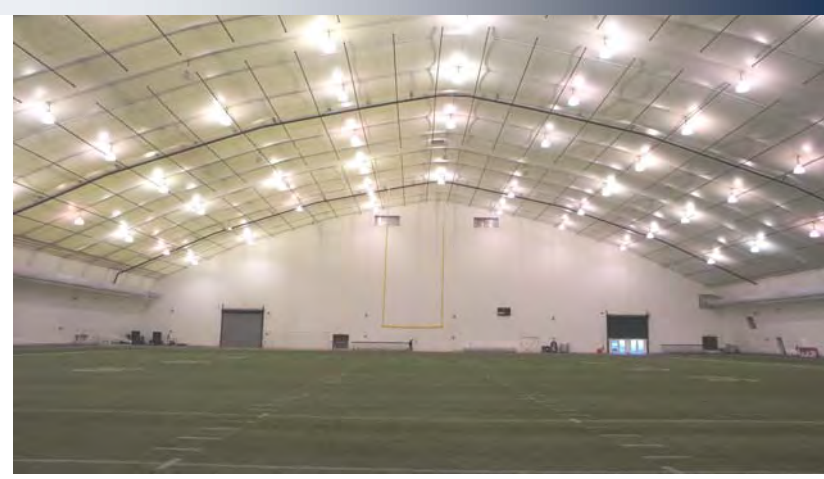
EVERY SEASON

ALL YEAR

We provide versatile, cost effective and uniquely designed buildings that are extremely quick to install compared to traditional construction. The structures can be moved, divided, insulated or extended. This adaptability, engineered quality and relocatability make them a great value. All Structures are designed to meet governing athletic guidelines for indoor specifications, IBC and local building codes, and can accommodate an interior clubhouse with observation decks. Logos, membrane colors, traditional façade options and open air door systems allow you the creativity to design a truly custom sports facility.



Indoor Sports with modern appearance & bright interiors



Any Sport Enclosure

**TURF • ICE • COURTS •
WATER • TRACK &
FIELD • WEIGHTS •
MATS • CLAY**

Any Recreation

Any Surface

With Signature Structures & Best Hall, our structures have already proven their practicality as multi-purpose sports halls, field and ice hockey arenas and equestrian sports. They remain ideal for commercial and private customers as well as educational institutions providing year round training and conditioning. Without center columns, any sport can be played without restrictions or interference.





- **Cantilever Roof Systems and Stadium Seating**
- **Entertainment Complexes**
- **Gaming & Casino Facilities**
- **Shade Pavilions**
- **Amphitheaters**

The structures can have open or closed ends. Signature can design scalloped openings on the side, or engineer a cantilevered system at the end to create a more architectural impact. Our structures have been used for exhibits, concerts and general staging for performing arts. They can be used for all purposed shade covers, stand alone and over stadium seating. Signature has built over 100,000 Sq. Ft. of gaming complexes including full service casino's with our construction management partners and design teams. Black out inner liner systems and full insulation packages are available. Signage, logo's, artwork and sponsorship option can be added on the membrane of your facility creating additional revenue streams and strong interchangeable branding and advertisement space.

THE SEMINOLE TRIBE OF FLORIDA RODEO COMPLEX



Complete Gaming Facilities with black out liner creates depthless interior space



The structures can be moved, divided, insulated or extended throughout their long lifespan. This adaptability, engineered quality and relocatability makes them a great value. Be operational in months as your projects vision takes shape with Signature Structures. Gaming facility & Casinos are fully built out on the interior.

Any Gaming Facility Any Entertainment Complex



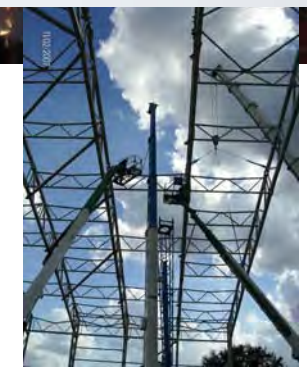
THE SEMINOLE TRIBE OF FLORIDA RODEO COMPLEX

Signature's and Best Hall Engineering Team designed the foundation and steel frames to withstand 160 mph wind gusts that exceeded the 143 mph wind load requirement. Signature engineered the 28 ounce PVC membrane with a custom roof attachment system to keep the fabric attached during hurricane force winds, a first in tension fabric structure industry. The 220' x 240' Pavilion System utilizes truss members weighing over 30 tons each. Backlit 20'x20' logos attach to the lower chord of the truss members and illuminate during night events. It was very important to the Seminole's that the roof resemble the tribal colors. As a result, Signature supplied a custom color that incorporated tribal insignia.

While other companies struggled to meet the project's complex building requirements, Signature Structures LLC presented a solution that exceeded the Seminole's goals and expectations. **The Signatures Project Management attention to details was vital to producing, delivering and installing the materials for a project of over 83,000 sq. ft.,** including a custom 52,800 sq. ft. pavilion system, 27,000 sq. ft. equine facilities and office space, and a 4,000 sq. ft. fitness center.

Customer Appreciation: **"We have worked with Signature Structures for over two years on a project of significant size and importance and they have exceeded our expectations in all aspects. They offered to consult and work on a project that very few companies took interest in due to the site challenges and custom nature required."**

Projects Officer, Seminole Tribe of Florida -





Signatures building systems offer a practical solution for a wide variety of Industrial installations. The sturdy structural frame and engineering expertise make the structures extremely versatile for industrial use.

They can be fitted with cranes, conveyors, maintenance platforms or protective wall materials. Signature will work with you to ensure local code and safety compliance is adhered to and followed. With Best Hall™ we will ensure your building is a top priority. We have supported DOE, DOD, public and private operations.

- Warehousing
- Production
- Work Space
- Manufacturing
- Waste Management
- Sea Ports
- Processing & Recycling

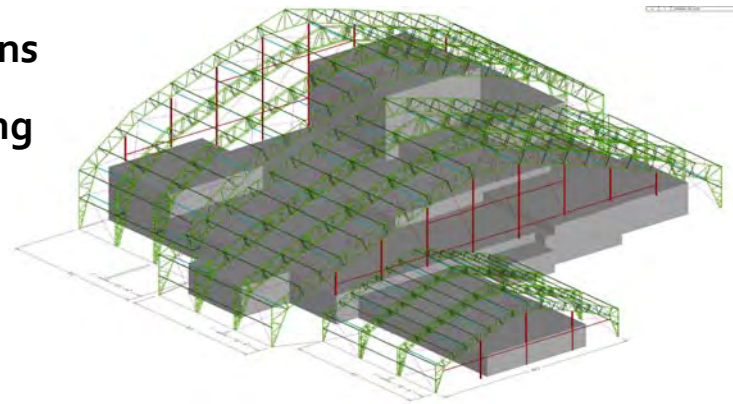




Providing code compliant solutions to Manufacturers, Port Authorities, Waste Management Operators & Fabricators across the world. Utilizing high strength structural steel framework, powder coated or galvanized corrosive protection and roofed with high quality architectural PVC membrane creates the longest product lifecycle in the industry . Translucent roof membrane allows natural lighting all day creating a productive work space .



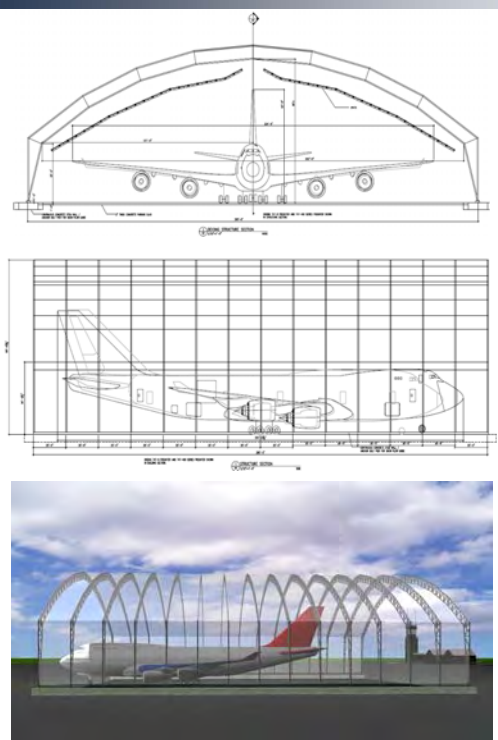
Customized Designs
Proven Engineering
Positive
Professional
Successful



Key Points

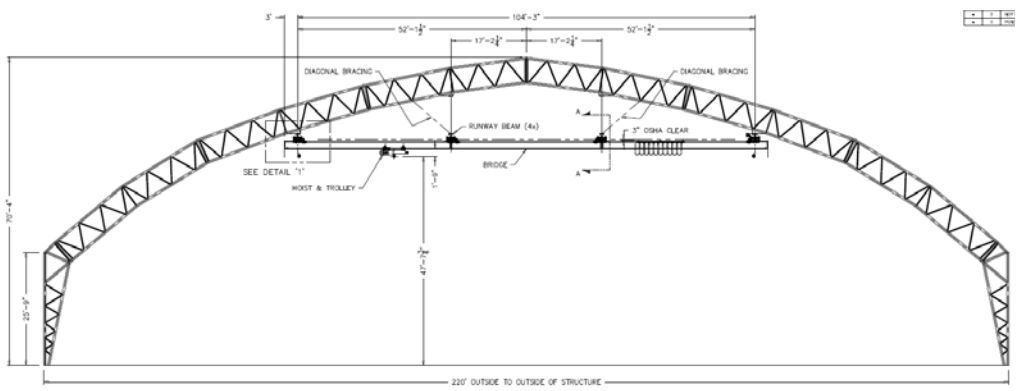
- Full service packages
- Code compliant asphalt anchorage systems
- Foundation design
- Relocatable, Re-usable & Resalable
- Lease as capital equipment
- Hangar door integration
- R9, R19 & R30 Insulation packages
- Overhead crane integration
- After market service plans
- Maintains the longest warranty in the industry





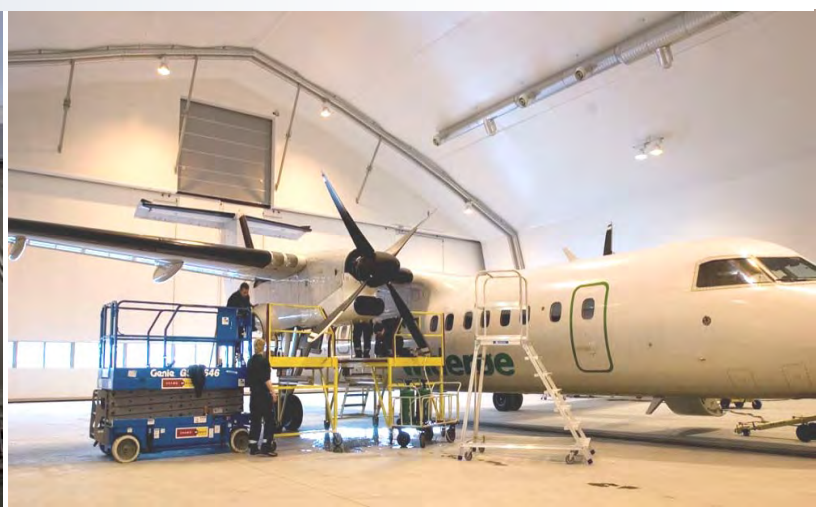
AVIATION BUILDINGS & AIRPORT HANGARS

Providing code compliant solutions to Port Authorities across the world. Utilizing high strength structural steel framework, powder coated or galvanized corrosive protection with high quality architectural PVC membrane that offers the longest product lifecycle in the industry and is capable of withstanding extreme temperatures and climates.



Signatures design team works with you to integrate concepts during the initial engineering phase. Overhead cranes & hangar doors can be factored within the design loads so all specifications are estimated prior to the manufacturing process. Many clients need significant collateral load requirements and clear span side doors that span beyond standard truss spacing. Our experience in meeting challenges for our clients is proven. We have shelters used for private jets, helicopters and rotary winged aircraft, up to large military planes and commercial Boeing and Airbus.

Any size can be designed to meet project specifications. Optimum size configurations in 80', 120', 160 & 200' wide packages are available to maximize efficiency and value. Quick rough order of magnitude pricing upon request





Signature Structures brings structural membrane solutions to the aviation industry.



Our reputation as a custom membrane structure company extends to our Best Hall™ product line. Signature brings experience, quality & service with complete systems integration to our structures in the market place. The consultative sales process combined with our detailed engineering and construction professionals are backed by *The Signature Difference.*

Designed for speed, built to last

- Full Service Hangar Systems
- Light Aircraft & Helicopter Emergency Hangars
- Commercial & Private Jets
- Maintenance, Assembly Repair & Service Stations
- Deployable Military Aircraft Shelters, small & large
- Equipped as required with door systems, crane systems, air ventilation and fire code compliant
- High Side Leg Systems with clear span interiors



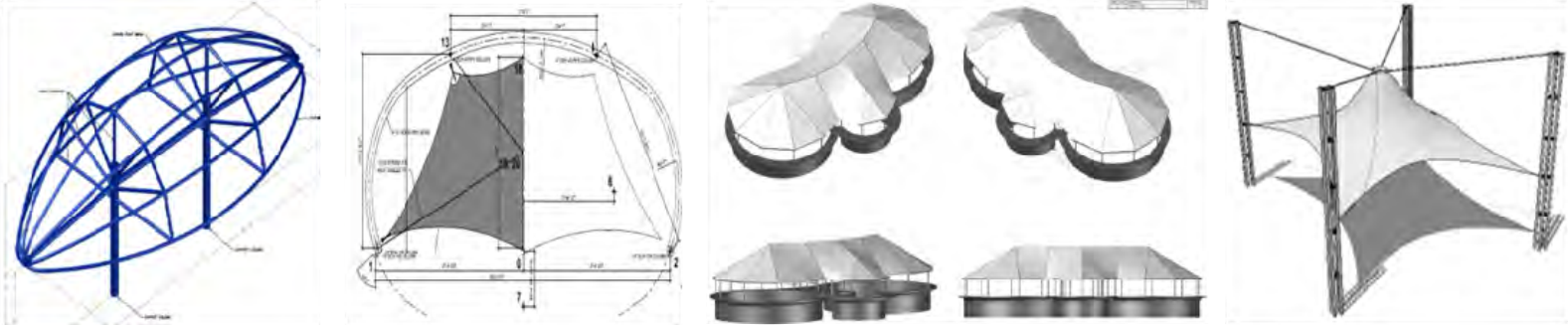
Tensile Structures

Cable & Frame Design &

Custom Membrane Architecture



Signature designs structures to meet the clients' vision while incorporating the underlining requirements of the project. Working with an experienced company will streamline the entire design, fabrication and installation process, ensuring that the project is kept within the project budget. Our services include building from existing structure systems to designing new systems from ground up. The use of a flexible PVC membrane, cables and custom steel components allow for an endless array of shapes and forms available for a project. The drawings below are examples of tensile systems we have designed and/or constructed.



Design new or revitalize existing structures.

New tensile membrane systems, redesign and enhance tensioning systems with innovative technology from industry leaders

The **Signature Structures** team works on the forefront of every project to ensure the final success of the structure. We listen to the requirements and meet for a final design review prior to start of any fabrication. Taking a project from a conceptual design review allows our clients the lowest estimated pricing, and reduces the unknowns from the start. Our tensile systems are used in many applications and our clients are some of the most recognizable across North America. Schools, Universities, developers and private/public institutions have hired Signature Structures for their membrane solutions. References and case studies are available upon request.

Whether needing a tensile engineering consultant or complete project management from design to construction, Signature will deliver a tensile fabric solution best suited for your project. When you are ready to begin a new project or replace elements of your existing structure, the experienced team at Signature Structures will gladly help with any initial questions.



Call Signature Structures for our Tensile Fabric Architecture Package 610.882.9030
email us info@SignatureStructures.net and visit us at www.SignatureStructuresHome.com



STEP ONE: A site visit, existing drawings or detailed photographs where the structure will be located is required. Signature will design the optimal roof form which suits the aesthetics and engineering requirement, within the client's budget. When working with existing structure components, a 3D survey is always required for accuracy.

STEP TWO: A design and engineering review. The process begins with input from engineering and construction to ensure efficiencies throughout the project. Then, initial conceptual sketches are sent to the client for their approval. Finally we create a 3D design package so the client can easily see the structural image before it is built.

STEP THREE: The production process includes procurement, fabrication and assembly. Code compliance & the clients specifications determine the recommendation for the structure. Most metal components of the tensile structure are custom pieces. Precision production requiring laser cutting, shaping and welding take place, forming the tensile structure's components.

STEP FOUR: Construction. Our project manager works with the client to coordinate the other trades on site, including any concrete foundation work. A detailed construction methodology is developed. Fencing, equipment and staging area will be pre-determined and crew will mobilize to the site to receive the material.



Tensile Structures

New or Existing Systems &

Customized Replacement



Our ability to work on unique customized projects stems from an attention to detail along every step. Whether your structure is on a clear flat parcel of land, within the inner city on a building roof or overtop concrete walls or existing sub structures, we can develop a system that addresses all aspects of the project from concept to completion. New or Existing, small or large, Signature can work with your team to meet your requirements

Any manufacturer, any material, all to specification with Signature's Warranty Program



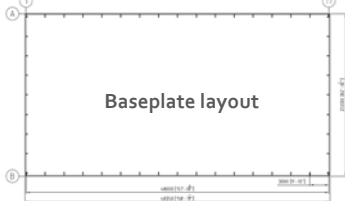
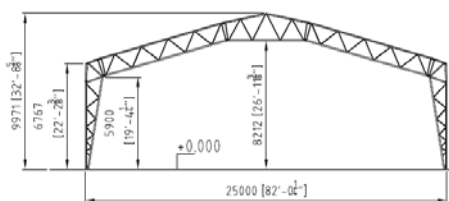
Engineering and Design Services

Signature's pre-engineered and custom structures are independently designed to meet all local, environmental and building code requirements - including IBC's 2003 new stringent minimum requirements for 20 lb. per square foot live load for all structures.

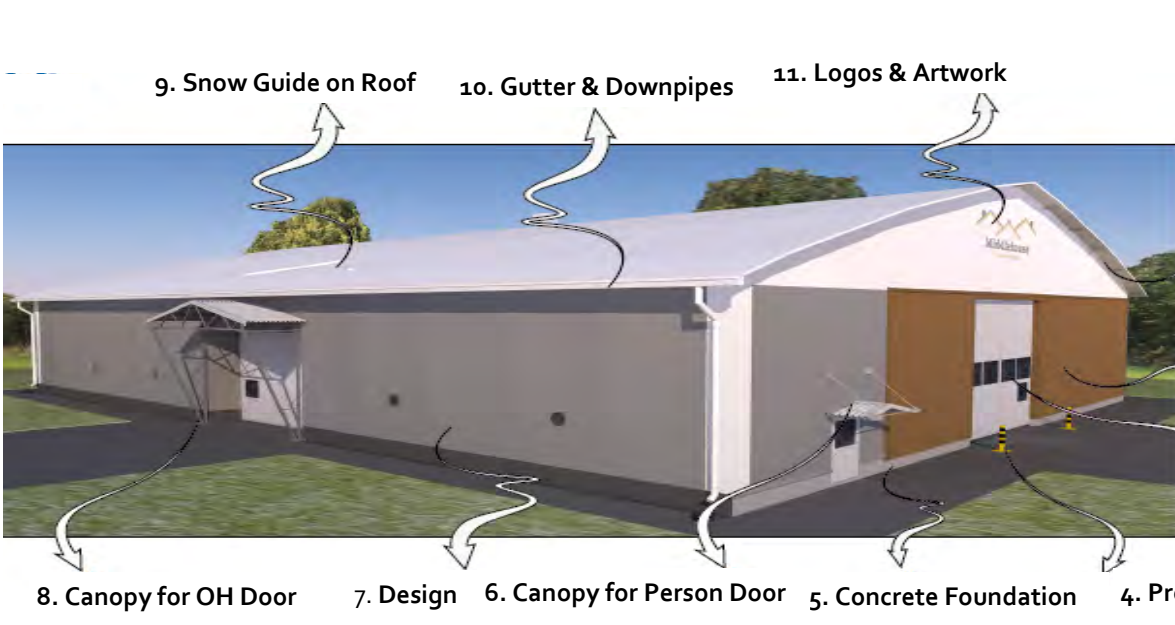
After design review and once the structural drawings and calculations are completed, a professional engineer (PE) stamps the design to ensure an unbiased interpretation of structural and code requirements. Prior to a final sealed package, Signature reviews the design package with the customer so all aspects and details are covered. Internally we conduct a final design review with the projects technical supervisor and project manager to make sure in field construction methodology is incorporated.

Structures have been engineered for wind speeds in excess of 160mph and snow loads 100 lbs. per square foot. Collateral loads can be designed into the framing to allow for most internal applications. Modular capabilities of a Signature structure allow for relatively easy transporting and relocation with the ability to be expanded or reduced in length.

New or refurbished, Signature's engineering process is the same for all of our clients. This guarantees a fully designed structure system ready for field installation.



Design Review Process ⇒ Material Specifications ⇒ Quality Management ⇒ Completion



Accessorize as required
Some options to consider on your project from the start are outlined on our building rendering. All standard building accessories can be adapted to a Signature Structure.

- 1. Eaves
- 2. Steel Cladding
- 3. PVC -Window

- 8. Canopy for OH Door
- 7. Design
- 6. Canopy for Person Door
- 5. Concrete Foundation
- 4. Protection Poles

Details matter, and from the initial consultation and into the estimate and design concept, Signature will bring elements to your building that save money, coordination time and in field /on site construction costs.

Our attention to details, big and small, keep you aware of subtle requirements that make the overall process more successful.



Signature Structures Manages Custom Design from Concept to Completion



Construction Services

All Reskin & Retrofitting

Completed & Revitalized



Any manufacturer, any material, all to specification with Signature's Warranty Program



Construction Management & A Design-Build Team

Signature offers construction management services ranging from structure design and installation to complete turnkey solutions. Project Management packages can include but are not limited to soil analysis, surveying, civil and electrical work, and custom integration.

Signature can perform a variety of enhancing and aesthetic repairs and services that add immediate visual beauty as well as long term performance benefits for our clients that own a tension or tensile membrane structure.

Annual Maintenance Services

include, but are not limited to

- Inspection
- Minor Membrane Repair
- Structural Tensioning
- Exterior Washing
- Warranty of Work Performed

Retrofit and Refurbish Services

include, but are not limited to

- Membrane Replacement
- Entrance Ways
- Lighting Plans
- Electrical & Mechanical Upgrades
- Insulation & Cavity Ventilation
- Structural Expansion
- Interior Build-out
- Relocation
- Warranty of Work Performed

Code Compliance Services

include, but are not limited to

- Structural Analysis
- Cost Conscious Compliance Solutions
- Increased Collateral Load Capabilities
- Revised Calculations and P.E. Stamped Drawings

We lead the industry in roof replacement systems, utilizing our structure experience and industry knowledge to complete membrane roof replacement in both cost effective and site specific methodologies. Signature Structures can add a new roof to any fabric structure. As with any roof system, wear and tear, age or weather may result in a requirement for a partial or complete replacement. Signature Structures will bring a team of experts to your location and provide a structural inspection and analysis to review your projects roof replacement. We specialize in all tensile and tension membrane systems and bring experience, references and a team of experts affluent with multiple manufacturer's systems.

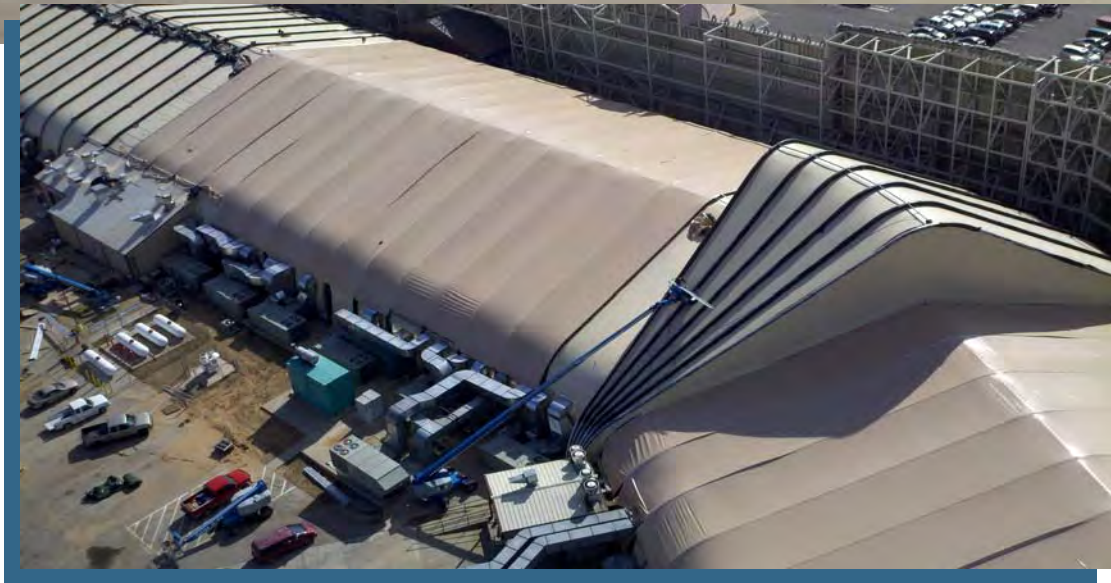
Complete Membrane Roof Replacement on structures by any manufacturer with any membrane specification complete with a new warranty program





Signature Structures offers:

- Inspections, repairs, tensioning & annual general maintenance visits
- Cable & Turn buckle replacement & redesign (prevent sags and fabric wear)
- Modernization of aging technology - new membrane plates and tensioning systems
- Complete membrane roof replacement with attachment and tie down design
- Structural reinforcement and compliance inspections



- Design additions & engineering certification
- System redesign, retrofit & construction services
- An insured, warranted & revitalized structure system

Focus on Construction:

Membrane Installation Sequence with Large Roof Sheet Design *Contact Signature for additional "Focus on..." picture narratives to learn more about design & construction tension/tensile membrane industry*



Design

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The Signature Difference

From the moment you call Signature

- *Informative & Experienced Sales Consultants*
- *Technical Analysis & Project Review*
- *Engineering and Design Services*
- *Quality Control & Management*

Through Design Review & Fabrication

- *Steel Framework*

Only the highest quality 1st class heavy gauge structural steel is used in our buildings. Operations are governed by an ISO-9001 certified quality system. And each design is engineered and built to specific local code requirements without exception.

- *Coating Protection*

All structural steel receives a comprehensive surface treatment finished after fabrication. This method equally covers all surfaces of the steel, both inside and out. Based on the project we may use hot dipped galvanization, specialized Tnemec 3 coat or an industrial powder coating process. Our complete coating coverage after production ensures a long-term quality and warranty.

- *Membrane*

Signature utilizes a wide variety of membrane and roof options based on the specific requirement. The cover material used is fully recyclable. The strength and color of the fabric is customized for each projects specifications. Signature utilizes a Polyvinyl Chloride (PVC) membrane, a fire retardant/self-extinguishing and self-cleaning fabric that passes NFPA701 and ASTM E84 Fire Codes. Also available are specialty covers, PTFE, Steel mesh, ETFE that allow incredible architectural shaping & design.



When we arrive at your project site and after we leave

- *Construction Management and Design/Build Capabilities*
 - *Supply Chain Management*
 - *Logistics & Sub Contractor Coordination*
 - *Warranty*
- Signature offers a comprehensive & inclusive complete warranty programs.
- *After Sales Support and Maintenance Services*

Signature offers a service and maintenance and partner programs to all fabric building owners. We have successfully refurbished membrane structures from other manufacturers. If you experience less than satisfactory results with other companies we maybe able to help re-new your building, aid in heat loss or condensation issues, membrane replacement or relocation. We offer lucrative programs for membrane structure owners to join our team and have references that can attest to professionalism and responsiveness.

Your project will be handled and executed positively, professionally and successfully...

Each step of the way with the

The Signature Difference

www.SignatureStructuresHome.com

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