

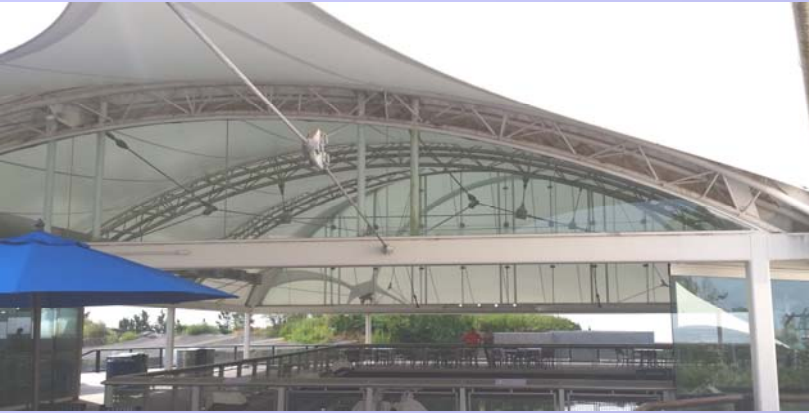
Design

Material

Service

Construction

Management



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



## 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**



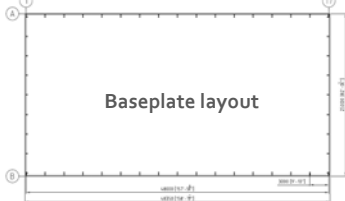
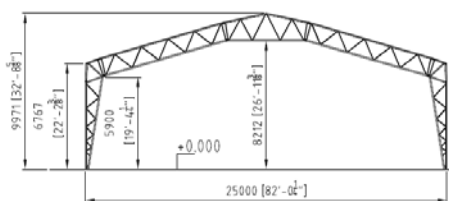
### ***Engineering and Design Services***

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.

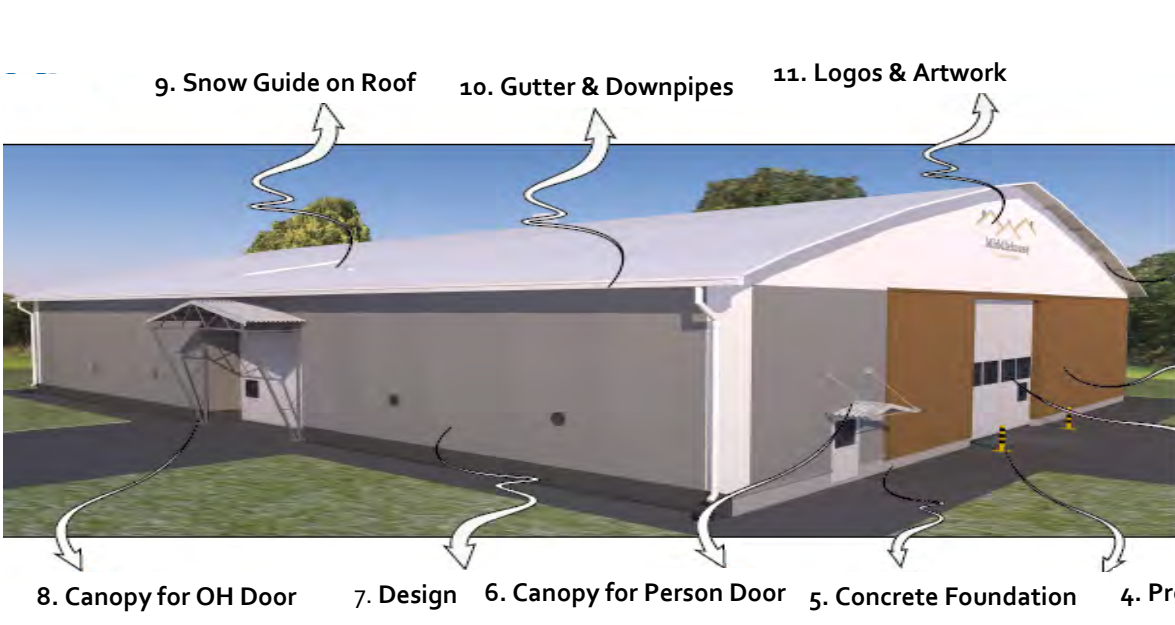
After design review and once the structural drawings and calculations are completed, a professional engineer (PE) stamps the design to ensure an unbiased interpretation of structural and code requirements. Prior to a final sealed package, Signature reviews the design package with the customer so all 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.

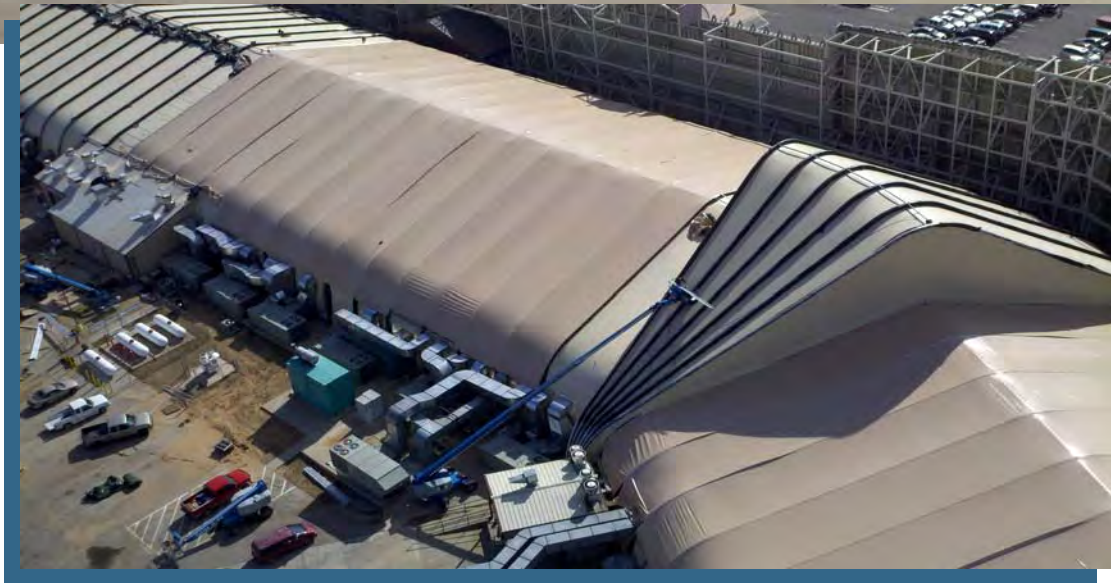
**Complete Membrane Roof Replacement on structures by any manufacturer with any membrane specification complete with a new warranty program**





**Signature Structures offers:**

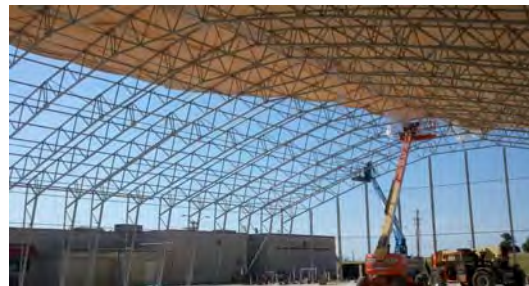
- Inspections, repairs, tensioning & annual general maintenance visits
- Cable & Turn buckle replacement & redesign (prevent sags and fabric wear)
- Modernization of aging technology - new membrane plates and tensioning systems
- Complete membrane roof replacement with attachment and tie down design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

Material

Service

Construction

Management



## 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](http://www.SignatureStructuresHome.com)

312 E. Broad Street, Bethlehem, PA 18018

(P) 610.882.9030 (F) 610.882.9040