



Architectural
Innovation



Architecturally designed and engineered tension membrane structures provide the freedom and flexibility to create practical yet visually stunning solutions to conventional design challenges.

Sail Structures USA utilizes the latest computer aided design, 3D imaging, manufacturing softwares of techniques to date. These technologies and years of in field experience are applied to determine the shape in the "form finding" process. A "stress analysis" then determines the loading requirements for these tensile membranes to function properly providing shade and weather cover for virtually any shape.

The end result of a geometric solution is the harmony and balance of form and spatial symmetry. We simply bring architectural concepts into reality by taking advantage of the unique characteristics of fabric to maximize the potential of each individual design.

We have created and pioneered many of today's sculptural designs both in high performance PVC coated polyester and the lesser costly monopro-pylines and shade mesh's. The choices in these state of the art, UV treated fabrics are many and are generally selected due to, environmental conditions, color, location, life expectancy and physical qualities.



Attaching media and hardware options are nearly limitless. Calculations are performed and fittings are determined by the strength, finish, and rating. These are usually completed in stainless steel or iron based materials. Customized steel attachments are only limited by the imagination of the designer.

Applications:

- Resort & Apartment Speciaists
- Churches & Schools
- Community Areas
- Patio Landscapes
- Multi-Family Units
- Parks & Gardens
- Aquatic Centers
- Swimming Pools
- Playgrounds
- Hospitals



space concept technology performance quality style tensile fabric

