



Custom Design/Build Tensioned Membrane Structures... for over 30 years.

13 31 00/SPA  
BuyLine 2129

# SPAN SYSTEMS, INC.

[spansystemsinc.com](http://spansystemsinc.com)

*Twin River Entertainment Complex; Lincoln, RI*



*The Saint Augustine Amphitheatre; St. Augustine, FL*



*Henderson Pavilion; Henderson, NV*



*Dallas/Fort Worth International Airport  
Terminal D*



*Bank of America Pavilion, Boston, MA*

**America's Leader in Fabric Architecture!**



# SPAN SYSTEMS, INC.

*Over 30 years of broad international experience in the design, fabrication and installation of tensioned-membrane structures!*

Architectural, tensioned-membrane structures are today's preferred choice whenever a dramatic, unique architectural statement is called for. We at Span Systems fluently speak the language of curvilinear, anti-clastic surface geometries. Whether the initial concept is developed in-house or provided by the architect or owner, our expertise can turn any concept into a structurally sound, economic reality. Our complete in-house responsibility from start to finish results in a finished product that is outstanding in every sense of the word. Span Systems provides complete design/build expertise for unique, tensioned-membrane projects worldwide!

*Our Tensioned Membranes are fabricated using the highest quality coated fabrics available today!*

**PTFE (Teflon®) Coated Fiberglass**

**PVC Coated Polyester**

(with Acrylic, Tedlar® or PVDF surface treatment)

- Complies with all applicable fire code requirements
- High translucency for excellent diffusion of natural light inside and, with interior lighting, a glowing signature structure at night
- Maintenance-free
- Unaffected by extreme high and low temperature variations
- Design/build services
- In-house engineering

## Design

Our certified Structural Designs meet building code requirements for snow, wind and seismic loads as well as fire safety, energy conservation, etc.

Structural Analysis and Design is performed in-house using state-of-the-art, large deflection, non-linear finite element analysis, with computer-aided form-finding and cutting pattern generation.

*Structural support members may be fabricated from steel, aluminum, wood or fiberglass.*

Teflon and Tedlar are registered trademarks of Dupont.



*Terminal Canopy; Denver Int'l Airport*



*Shot Tower/Marketplace Metro Station Entrance; Baltimore, MD*



*Lightwell; Raleigh-Durham International Airport*

## Coated Fabrics Offered By Span Systems

	PVC w/Acrylic	PVC w/Tedlar or PVDF	PTFE (Teflon)
Fire Rating	Class C	Class C	Class A
Colors	Yes	Yes	White
Lifespan	10+ yrs	15 yrs	25 yrs
Relative Cost	1	1.5	5
Self-cleaning	Good	Better	Best

In addition to unique Fabric Structures of virtually any variation, Span Systems, Inc. also offers...

# SPANDOME® Roofs and Buildings

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**Span Systems offers the proprietary SPANDOME system of pre-engineered fabric structures with a difference!**

Most other modular fabric structure systems use their arch supports in parallel rows; therefore, they are expandable in one direction only, which means narrow “tunnel” shapes. Spandomes, on the other hand, have arches placed diagonally, so they are expandable on all sides by the addition of similar Spandome modules. Spandome roofs can cover ground plans of any shape and size, have uniform eave height all around, and transmit no loads to their vertical walls (which can be made of any construction or even left out altogether). By utilizing the strength of all materials fully and only in pure tension or compression, Spandomes are approaching the very limits of material efficiency. This makes Spandomes the most economical long-span buildings and roofs available today.

## Features

- Complete Systems Designed, Fabricated and Installed
- Economical Clearspan Self-supporting Structures
- Low User Costs
- Non-load-bearing Vertical Walls of Any Material
- Translucent and/or Insulated
- No Size Restrictions
- Custom-designed, Site-specific
- Virtually Unlimited Ground Plans Including:
  - Square, Circular, Rectangular, Polygonal, Custom Individual Modules are additive along all sides

## Applications Include

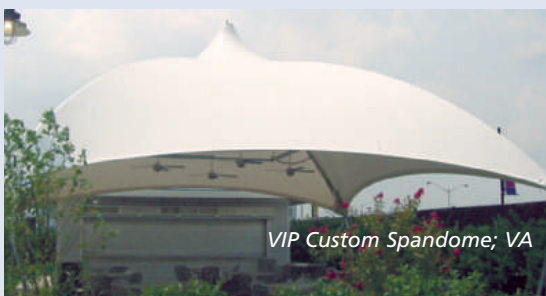
- Swimming Pools
- Sports & Recreation
- Canopies & Sunshades
- Exhibit Halls
- Warehousing
- Material Storage
- Aircraft Hangers
- Indoor Tennis
- Amphitheaters

## Design Flexibility

At Span Systems, we work with the designer/architect to turn vision into reality. Options are not limited by specific sizes, widths or configurations.

Spandomes require supports only at their corners. The walls are structurally independent of the roof. Therefore, walls are non-load-bearing and can be made of a variety of materials, including:

- Fabric
- Masonry
- Reinforced Concrete
- Kalwall® Translucent Sandwich Panels
- Netting and Chain Link Fencing
- Galvanized Steel
- Glass



VIP Custom Spandome; VA



Pool Enclosure; Rota, Spain



Sand/Salt Storage; Ontario, Canada



Water Treatment Facility; Chesapeake, VA

Wall openings can be of virtually any width and wall systems can be designed to be opened or removed allowing natural climate control. Sunshade/canopy structures without walls are also available.

Fully insulated structures (up to R=30) are optional. Lighting and HVAC can also be provided with any structure.

Spandome is a proprietary structural concept. It is protected by copyrights and patents, issued and pending. SPANDOME® is a registered trademark (reg. US Pat. Off.).



# SPAN SYSTEMS, INC.

*Design Development and Design/Build. Your partner for project excellence!*



*The Country Club; Brookline, MA*



*Sahara Centre; UAE*



*Residential Garage  
Manchester-By-The-Sea, MA*



*Leander Park & Ride; TX*

*Port Canaveral  
Cruise Terminal; FL*



*Raleigh-Durham Intl. Airport; NC*



*Rivard Pavilion - Detroit Riverwalk; Detroit, MI*



*nTelos Pavilion; Portsmouth, VA*

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