

Sprung Structures

Warehousing



High Performance Building Solutions

Tensioned Membrane Structures Available Immediately from Inventory





# Immediate Solutions for Warehousing

**Sprung structures provide significant advantages over conventional construction.**

- Available immediately from inventory
- Rust free aluminum substructure with 30 year pro rata guarantee
- Limited to no foundation requirements
- Speed of construction
- Designed to meet hurricane force winds
- Engineered for permanence, designed for relocatability
- Translucent daylight panels in the peak provide natural light, reducing operating costs
- Energy efficient insulation system
- Ideal solution for remote locations
- Designed to shed snow
- Clearspan design


FedEx Express - Oakland, California

## THE SPRUNG ADVANTAGE

### **Sprung Buildings are Engineered to Outperform**

Sprung invented the tensioned membrane structure that allows for rapid construction, total flexibility, reliability and cost-effectiveness of any short or long-term building project. Sprung tensioned fabric structures provide a completely customizable and relocatable solution.





In business since 1887, Sprung has built an international reputation for performing above and beyond our customers' expectations with 12,000 structures in over 100 countries worldwide.

**sprung**  
STRUCTURES

DHL - Chicago O'Hare International Airport - Illinois, USA



Polar Air Cargo Sort Facility - Schiphol Airport, Holland

## Performance Architectural Membranes

The exterior architectural membrane is durable and fire resistant. Tedlar® and Kynar® coated membranes are offered in virtually any color to compliment existing architectural color schemes. Our low temperature arctic membrane is designed exclusively for cold weather installations.





# Speed of Construction

Sprung structures can be erected in a fraction of the time of conventional construction.



Global Auto Processing Services - Port Hueneme, California, USA

## THE SPRUNG ADVANTAGE

### Shipping Efficiency

The Sprung structure is extremely lightweight and has very compact shipping sizes significantly reducing transportation costs. The structure is ideal for remote locations due to its ease of erection.



With limited to no foundation requirements and a design that's engineered for relocatability and ease of movement, Sprung structures have ultimate flexibility to be relocated and reconfigured for a variety of uses.

Denver International Airport - Colorado, USA



FMG, Solomon Mines Leighton - Western Australia

## Worlds Fastest Delivery

Sprung maintains inventory in excess of 2 million square feet of raw materials, allowing us to deliver our product in a typical time line of 2 - 4 weeks from order.

## Speed of Construction

A non insulated Sprung structure can be erected at a rate of up to 2,000 ft<sup>2</sup> (185 m<sup>2</sup>) per day, a rate that can easily be doubled or tripled with additional labor provided.



# In-house Leasing Program

Lease with option to purchase from one month to five years.




## THE SPRUNG ADVANTAGE

### Our Aluminum Substructure Outperforms Steel

While conventional construction is still relying on steel as its substructure material, your Sprung structure offers greater versatility and performance with an extruded aluminum substructure that arrives on site prefabricated and ready to assemble.





Designed for extreme weather conditions, Sprung tensioned membrane structures can be shipped and constructed even during the times of the year with the most challenging weather conditions.



Bagram, Afghanistan



Intel - Oregon, USA



Polar Air Cargo Sort Facility - Schiphol Airport, Holland



Howard Supply - North Dakota, USA

## Extruded Aluminum Shapes

Corrosion resistant and 100 percent recyclable, our aluminum components have a higher strength-to-weight ratio than steel. Aluminum extrusions allow for bolted connections which outperform the welded connections found in steel framed structures.







# Clearspan Interiors

Sprung's durable membrane structure is the solution of choice for industries needing fast, reliable building solutions. Available immediately from inventory, Sprung structures are versatile in application and custom design, offer a wide range of cargo door options and efficient insulation packages.

## THE SPRUNG ADVANTAGE

### A Superior Insulation System Offers Ideal Heating and Cooling Efficiency

Constant research, testing and development have led to a Sprung structure that provides naturally better climate control. Unlike a metal building that compresses insulation and lowers the R-value, a Sprung structure keeps the insulation much closer to its design thickness for maximum performance and comfort. These attributes reduce climate-control costs and absorb sound for better acoustics.



## A WIDE VARIETY OF PERSONNEL AND CARGO DOOR OPTIONS



### DOOR OPTIONS

#### End Sliding Door

Round end sliding door

#### Personnel and Cargo Door Options

Provide a superior seal against outside elements.

Protective door hoods, vestibules, and connecting corridors enhance safety and performance



### ROLLING SERVICE DOORS

Sprung Rolling Service Doors can be mounted internally or externally.

Rolling Service Doors provide a reliable cargo door solution.

Protective door hoods divert snow and rain for installations on center modules.



### CENTER PIVOT ROTATION DOORS

#### Double Panel Rolling Service Door

Innovative center-pivot panel design that is available in a variety of sizes. Easy to operate.

#### Triple Panel Rolling Service Door

These doors utilize pneumatic wheels that allow the door to slide inside the structure.

#### Quadruple Panel Rolling Door

These doors open large enough to accommodate large vehicles and aircraft.

## Sprung Component Architecture

Our sophisticated and patented tensioning system results in a structure with unlimited design potential that is adaptable to almost any environment imaginable. In addition, the Sprung structure possesses an exceptionally well sealed, high R-value optional insulation system.

9" thick R-30 (U-value = .0333) insulation on 100' - 180' wide structures  
8" thick R-25 (U-value = .0400) insulation on 30' - 90' wide structures





# Warehousing Facilities

A safe, secure weatherproof building solution. Daylight panels in peak provide optimum natural daylight. Warehousing needs around the world have utilized Sprung structures for a wide range of support building solutions.



US Naval Academy - Annapolis, Maryland  
Insulated structure that handles all food storage, dry, cold and freezers.

## THE SPRUNG ADVANTAGE

### Limited Foundation Requirements

Sprung structures are available in widths from 30' (9 m) wide - 200' (60 m) wide by any length. The aluminum and fabric components that make up a Sprung structure, make it extremely lightweight compared to steel substructures, significantly reducing the size of concrete foundations. Structures can also easily be anchored to existing asphalt or raw earth.





### Amusement Parks and Zoos

Attractive and relocatable structures with color and graphic options to suit any facility.



### Recycling Centers

Clearspan interior ideal for sort facilities.



### Hazardous Waste Storage Facilities

Household products collection facility.



### Maintenance Equipment Storage

Widths 30' to 200' by any length.



### Food Storage

Energy efficient fiberglass insulation packages.



### Cargo Sort Facilities

Limited foundation requirements.



### Remote Warehousing and Manufacturing Space

Large clearspan space ideal for gantry cranes, shops and manufacturing space.



### Bulk Storage

Independent concrete retaining walls inside a Sprung structure, ideal for bulk storage.

## Sprung at Work

Aviation

Amusement

Automotive

Churches

Construction

Corrections

Disaster Recovery

Education

Entertainment

Environmental

Film

Gaming

Golf

Homeless Shelters

Hospitality

Hotels

Manufacturing

Military

Office

Mining

Oil and Gas

Ports

Power and Energy

Public Works

Retail

Ski

Sports and Recreation

Zoos

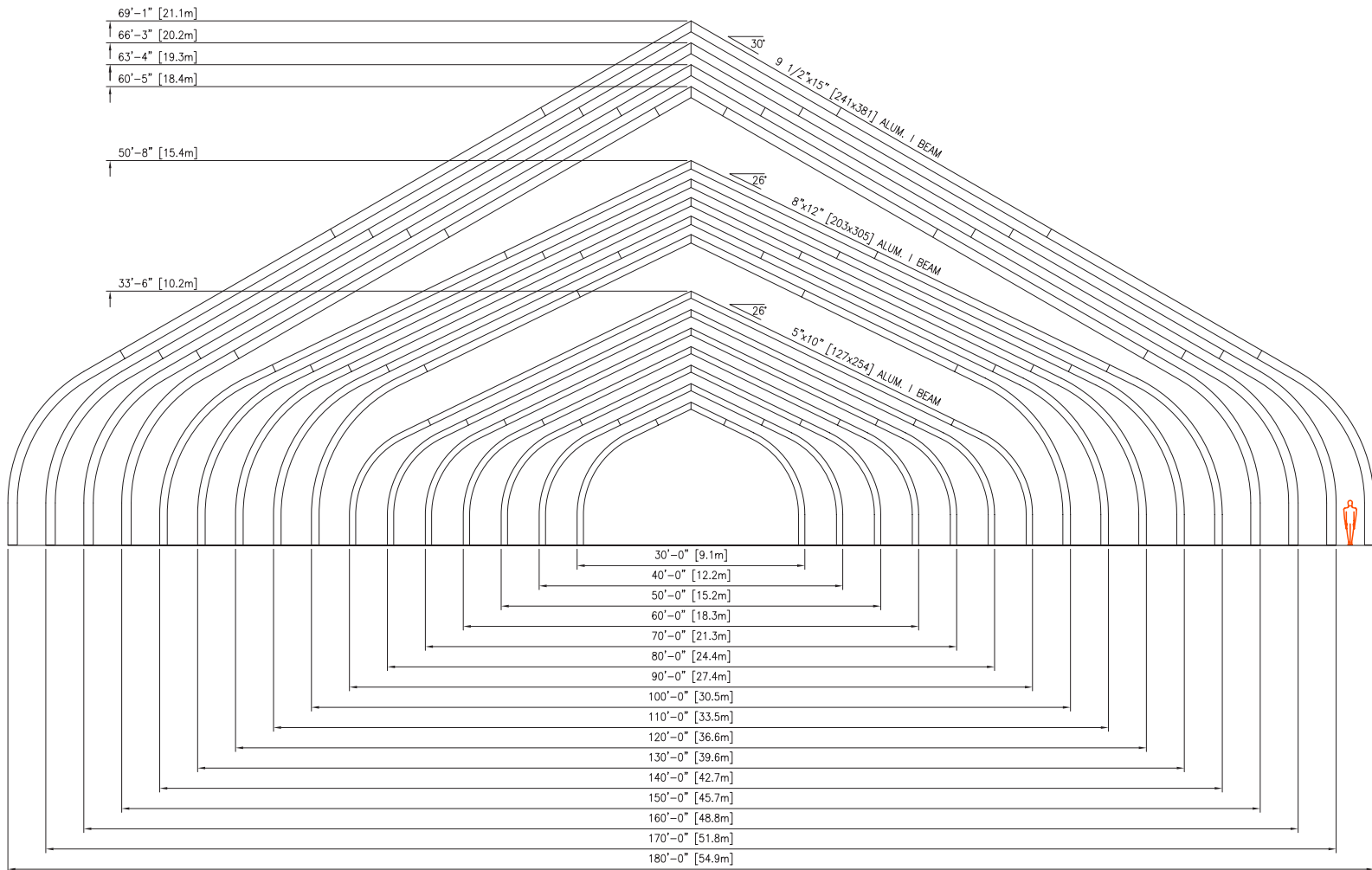
## Lower Project Costs

Sprung structures are engineered to accelerate construction, lower project costs and reduce operating expenses. Leasing programs are also available from 1-5 years.





# Sprung Structures



## Contact Us

With manufacturing and distribution centers in North America and the Middle East, and offices around the world, our commitment to service excellence is unparalleled. We welcome your questions, feedback, and inquiries.

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