

CALHOUN

PUBLIC WORKS



OUR STRENGTH IS IN OUR STRUCTURE

calhouneurope.eu | +36-1-999-8546



92' x 148' VP SERIES

OUR STRENGTH IS IN OUR STRUCTURE

We design and engineer our structures site-specific to your unique location. Critical to the performance and reliability of your building. Essential to the longevity of your investment.



ENGINEERED TO LAST

Our highly-trained engineers, designers and detailers have spent years building the strongest and safest structures available specifically for your industry.



CORROSION RESISTANT

Calhoun's fabric buildings are built with hot-dip galvanized steel frames to resist rust and corrosion from caustic environments like salt. Applied to both interior and exterior surfaces, our galvanization meets established industry standards to improve the longevity of your structure and reduce maintenance costs.



CLEAR SPAN INTERIOR

Our fabric structures provide clear span interiors, critical to your salt and sand operation. The height and free span interior of our fabric buildings have no interior columns, allowing tipping trucks to maneuver without interference.



SUPERIOR VENTILATION

Our fabric buildings provide cooler, drier environments to reduce the growth of mold and bacteria. We design and engineer our structures for maximum odor-control, functionality, and durability. Our structures create a ventilation system that eliminates moisture created through weather conditions, critical to keeping compost, waste, and recycling materials dry.



SAFETY FIRST

Our completely engineered, naturally lit structures keep your employees safe while they work. You can rest assured your commodities are protected.

DEALER NETWORK

Our strength is within our extensive dealer network with representation across North America to locally serve you.

Our dealers can help you design and build the right building solution to meet your unique needs.

25 YEAR WARRANTY

Like shingles on a roof, years of wear and tear from the elements will require you to repair or replace the fabric. While the steel framework in a fabric building can last generations, it is an industry-standard expectation that the fabric cover will eventually need to be replaced.

Calhoun Super Structure is proudly backed by our own proprietary industry-leading 25-year warranty through our Elite FR and Non-FR fabric. For our standard FR and Non-FR fabric, we offer a 15-year warranty on every building kit including the steel framework.

WE UNDERSTAND FABRIC

Calhoun is unique in that we have developed specialized analysis which models the shape of fabric under load. By accurately determining various environmental loads that are applied to your structure, we use a nonlinear analysis. Calhoun's approach ensures the optimal design of the steel framework is determined for your building.

Our fabric is produced to withstand harsh weather conditions and treated with ultraviolet stabilizers to protect it from the sun's UV rays. This prevents the fabric membranes from weakening or breaking down, adding years to life for your fabric cover.

Available colours:



We also offer two fabric cover installation options depending on the size and budget of your structure: Bag Cover System or Keder Panel System.

Our Rubber Gasket Protection System is used between the aluminum keder track and hot-dip frame to prevent corrosion and wear. Calhoun is the only company that offers this level of detail and protection on their fabric covers.

Key Features:

- › Can exceed 150 mph winds
- › Can exceed 300 lbs per square foot snow load
- › Up to 16% translucency on Non-FR fabric and 19% translucency on FR fabric
- › The first Membrane Structure Fabric in the world to achieve Cradle to Cradle (C2C) Bronze Level Certification, through one of our fabric partners, TRIUS Build RPE.



AVAILABLE PROFILES



CC Series
16'-72' Wide



SE Series
20'-30' Wide



GB Series
32'-62' Wide



HT Series
50'-82' Wide



CC+ Series
80'-100' Wide



VP Series
40'-250' Wide

3D FINITE NONLINEAR ANALYSIS

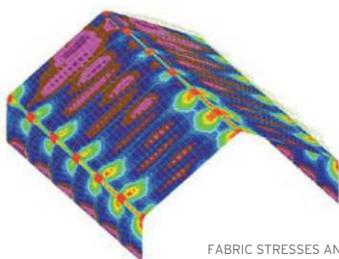
All Calhoun buildings are engineered using a site-specific 3D Non-Linear Finite Element Analysis which considers the snow, rain, wind, and seismic conditions at the building site. This technique allows Calhoun to deliver the strongest building for your unique location.

This process provides for a detailed and precise assessment of reaction loads that will in turn allow for an optimized foundation design.

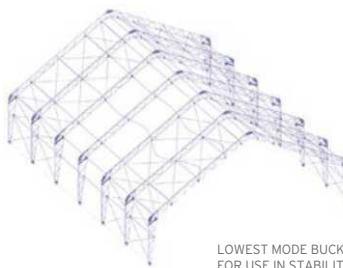
Calhoun is the only manufacturer in the industry who includes the negative effects that fabric places on the strength and

durability of the building, and then engineer the structure to ensure all snow, wind, and seismic conditions are exceeded.

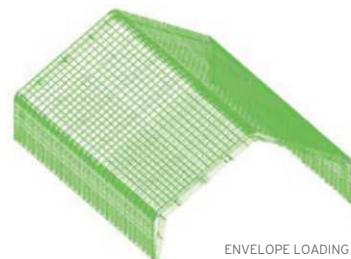
Our unique engineering procedures result in an optimal use of materials and ensures a reliable structure, going beyond industry standards.



FABRIC STRESSES AND SCALED DISPLACEMENT



LOWEST MODE BUCKLED SHAPE
FOR USE IN STABILITY CHECKS



ENVELOPE LOADING D+CL+WIND
PARALLEL+IP CONDITION



DESIGN | CUSTOM-ENGINEERING | SITE-SPECIFIC ANALYSIS |
MANUFACTURING | INSTALLATION | PROJECT MANAGEMENT |
REPAIRS & RECOVERS | ADD-ON'S & EXTENSIONS

APPLICATIONS

Salt & Sand Storage Waste
& Recycling Storage
Transfer Stations
Compost Facility
Offload / Unload Enclosure
Maintenance Garage
And More!



NEED A RECOVER?

Whether you have an existing Calhoun fabric structure or another brand of fabric structure, Calhoun has the expertise, materials, and tools necessary to recover your fabric building.

No matter the level of damage, repair, building application, size, or brand, Calhoun offers full-service fabric structure recoveries in-house, and installation through our extensive dealer network.

