



walkways 

performance 

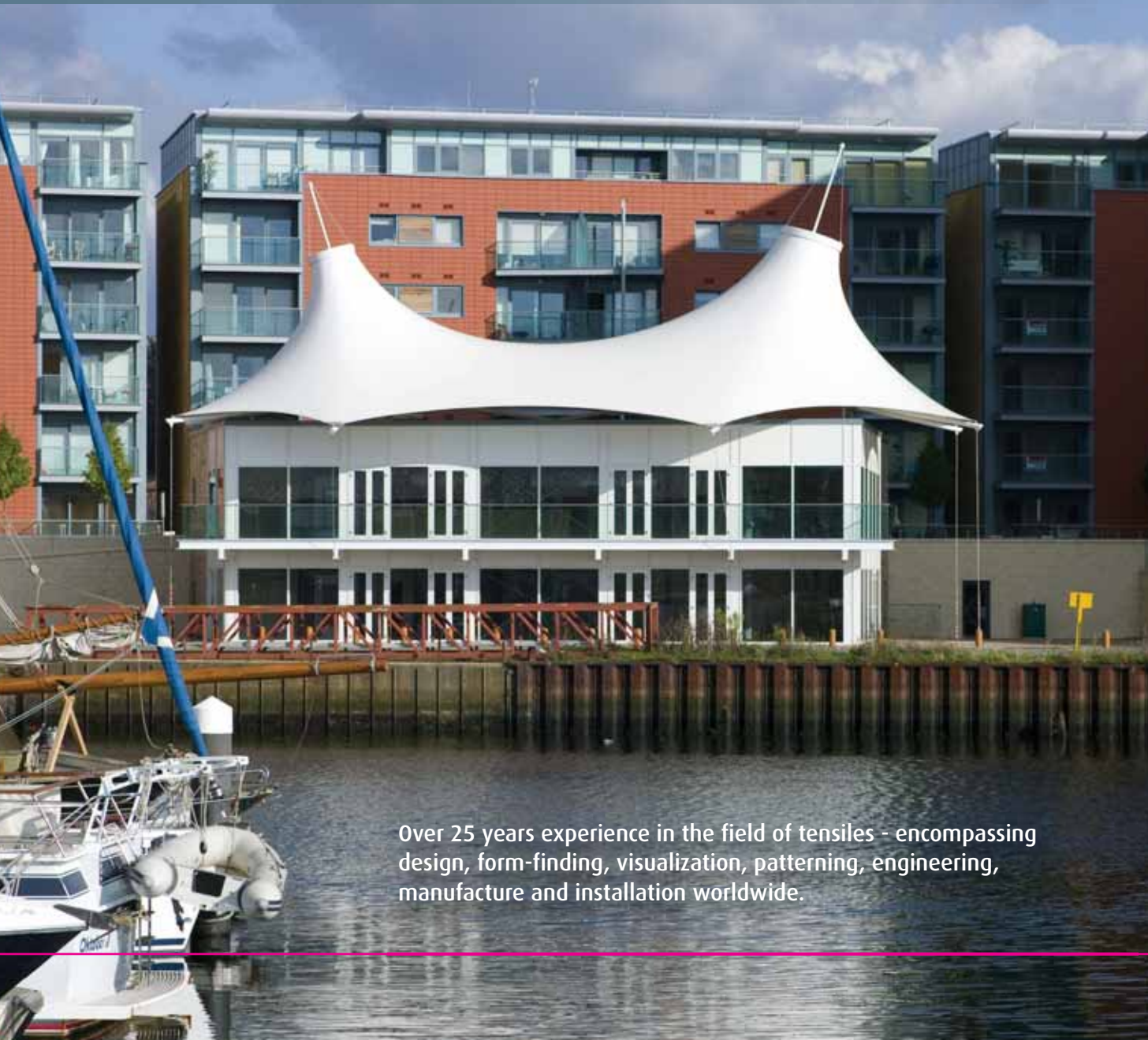
shelter 

feature 

entrance 

shade 

inspired by nature: beautifully practical tensile structures



Over 25 years experience in the field of tensiles - encompassing design, form-finding, visualization, patterning, engineering, manufacture and installation worldwide.

Fabric Architecture is passionate about the design, manufacture and installation of Tensile Fabric Structures worldwide. Specific departments specialize in one-off Design and Build structures for interior and exterior applications, and pre-designed and engineered Signature Structures. With over 25 years experience in tensiles, encompassing design, form-finding, visualisation, patterning, engineering, manufacture and installation, our HQ is supported by offices throughout the UK, North America and the Middle East.

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Porter Corporation is our exclusive distributor for Signature Structures as well as Design and Build projects throughout North America.

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Signature Structures?

Signature Structures - a range of specially selected Tensile Fabric Canopies that have proved popular year on year – these striking and economical products have been chosen by you, our customers. Renowned for their organic shapes, excellent shade qualities and long life expectancy, the canopies in this range are delivered and installed hassle-free to your chosen location. Signature Structures encompass both function and form, bringing a new dynamic to any environment.



Basic Tensile Forms

There are three basic forms of a tensile structure, all of which incorporate double curvature – this creates the strength, organic shape and durability:



Hypar



Conic



Barrel

Tensile Fabric Structures explained

A tensile form, as its name suggests, is under tension throughout its entire shape. This provides many benefits over traditional shelters, including:

- Long lasting canopies with a life-expectancy of **15-20 years** minimum
 - Permanent cover - canopies are fully engineered for any location
 - Shelter & shade protection using **UV resistant** and **waterproof** fabric
 - Organic form compliments outdoor & landscaped areas
 - Durable finishes are ideal for busy or 'high-traffic' areas
 - Strength and safety by fabricating with architectural grade materials
 - **Environmentally sensitive** – uses less materials & fabric is recyclable
 - Easily maintained with low replacement costs
- Canopies should be cleaned every 6 to 12 months and full operations and maintenance manuals are provided after installation.



What our customers say:

“space age, great!”

New Briars School

“thank you for all your sterling work carried out throughout this extremely exacting process”

HBG Construction

“a diamond!”

Sturminster High School

“parents and local residents have all commented on how great it looks”

Park Families Sure Start

“very satisfied... handled in a professional manner from inception to completion”

Willmott Dixon

“the final structure is exactly as envisaged and will be greatly appreciated”

Alfreton Nursery

“all the building users and visitors have been impressed with the canopy”

Mansell Construction

“very pleased... will provide much needed weather protection...”

Kingsfield School

Some of our USA clients:

City of Winter Park, Colorado	Mercer Airport
Nationals Baseball Stadium	US Airforce
Maury County Jail	Hideaway Park
Disneyworld, Florida	Valleycrest Companies
NFL Superbowl	Louisiana Childrens Hospital
Randstad Staffing HQ	Coca Cola Company

walkways signature structures range



Signature Structures offer the price advantage of a pre-designed structures combined with the tailored flexibility of a custom system. Signature Structures are highly versatile can be joined together to form larger structures. 'Step and repeat' designs such as the Classroom, Hull, Pagoda, Stork, and Wave can be used for a variety of applications:

- Create a link between new and old buildings
- Solar shading to offices and classrooms
- Car Parks and pedestrian routes
- Outdoor learning and multi-use spaces

Mild steel framework, in either galvanized finish or polyester powder coated to any RAL color.



TRIPLE CONIC



WAVE



STORK



WALKWAY



CLASSROOM

walkways design and build



Signature Structures can be modified and adapted to create any shape or size of walkway. Using the fundamental design aspects of these modular systems, an entirely unique structure can be developed and built using standardized parts. This simplifies manufacture and installation and helps to reduce project costs. Walkway is just one name for a

versatile structure that can perform a variety of functions:

- Enhance building facades
- Create signage zones above shop entrances
- Solar shading to ground level windows
- Provide lighting to entrances and pedestrian routes



performance signature structures range



The Bandshell and range of Conic and Hypar designs are immediately recognizable as 'performance structures' and can support the full range of sound and lighting.

The spaces these structures create provide an engaging area with many alternative uses: meeting area, outdoor classroom or play area.

- Integrate structure with landscaping to create an amphitheater setting
- Lighting truss and lamp brackets can illuminate performance area from all angles
- Rainwater management options
- Attach temporary projection screens



SIROCCO



SINGLE CONIC



DOUBLE CONIC



BANDSHELL



MISTRAL



Taking inspiration from Signature Structures, there are limitless possibilities when creating large areas of fabric coverage.

Always conscious of how the structure will be installed, Fabric Architecture will engineer a solution that meets both visual and functional expectations.

A design and build structure will use a combination of elements from different structures to arrive at a truly unique design:

- Stage areas with central or perimeter supports
- Canopy and stage illumination
- Integrate seating and stage coverage



shelter signature structures range



The word 'Shelter' is commonly associated with the weather, be it rain or shine. Signature Structures can adapt to offer many solutions:

- provide shelter to the elements
- enclose a private space
- a focal point for activities or relaxation
- A surface for advertising or branding

Many of the designs create an iconic landmark, with a wide variety of fabric colors and limitless palette of painted steelwork available.

Signature Structures are offered in a range of sizes to suit different applications and budgets, with optional extras such as lighting, heating, signage and rainwater management.



SINGLE CONIC



CLASSROOM



DOUBLE CONIC



PAGODA 7



SIROCCO

shelter design and build



Creating a one-off Shelter can range from subtle modifications to an existing Signature Structure to an entirely unique construction. Expanding a canopy to fit a slightly larger space can often utilize the original support structure if engineering allows. The next step up would be to reinforce the support structure

and canopy specification, leading to entirely new steelwork designs and custom fabric patterning. Fabric Architecture has the ability to balance form and function in the design process, focusing on the structure's primary function and budget parameters.



feature canopies signature structures range



The sculptural qualities of the Skylar, Inverse Conic and Sirocco Signature Structures can be put to good use in creating a strong architectural statement.

Tensile fabric structures instantly give a unique identity to a building or space and can become landmarks themselves in the local community.

Branding, sponsorship and signage can be applied to both fabric canopies and steel support structures, with color adding another means of creating zones or way markers. The fabric canopies can be illuminated with imaginative lighting schemes or used as projection screens.



PAGODA 4



SKYLAR MULTI



IRON MOUNTAIN



SKYLAR STREETLIGHT

feature canopies design and build



The Skylar Signature Structure has been transformed into a trio of jets in flight formation soaring up to 40' high, as well as a full size street light with conventional illumination and an up-lit fabric canopy. Tensile fabrics offer unlimited possibilities in creating three-dimensional forms.

Fabric can achieve far greater spans than conventional roofing materials with minimal support structure. Greater translucency and dynamic organic shapes bring the feeling of outside inside, as well as providing shade and protection from the elements.



entrances signature structures range



Signature Structures combine beauty and function. The broad range of shapes and sizes enables you to create a striking entrance structure to suit any location. Tailored to individual color and finish requirements, the pre-designed structure soon appears totally unique, offering the opportunity to add lighting, signage and branding.

The installation of Signature Structures takes only a few days, once the foundations are adequately cured, meaning there is minimal disruption to the entrance area. Project management is undertaken by highly experienced staff at Fabric Architecture, ensuring the smooth running of all projects, on time and on budget.



DOUBLE INVERTED CONIC



DOUBLE CONIC



SKYLAR



IRON MOUNTAIN



WAVE

entrance design and build



A striking and dynamic tensile fabric entrance structure can transform a plain building.

Although it is often simpler for the structure to remain separate from the adjacent building, connections can be designed to provide a weatherproof seal.

Lighting can easily be incorporated into the design, illuminating the fabric canopy and the area beneath.

A white canopy can be used as a background to project colors and images.



shade canopies signature structures range



Signature Structures range offer a variety of dynamic and playful fabric shapes and colors, with the emphasis on solar shading and protection. With the pre-school and educational sector in mind, these designs are simple to specify as Playshades. Installation is typically between one and three days. Good access is required for lifting equipment.

Market sectors that incorporate this exciting range of structures include:

- Parks and Recreation
- Retail and Leisure
- Healthcare
- Education



POD



HALO & WALKWAY



SIROCCO



PAGODA 4



IRON MOUNTAIN

shade canopies design and build



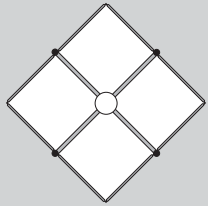
Custom built shade structures can be developed where the standard sizes simply won't fit the location. Modifications can be made to the canopy alone, utilizing the standard steelwork supports, or the entire structure can be re-designed from the ground up, including engineered connections to adjacent buildings where required.

A variety of architectural grade fabrics are available in a wide range of colors:

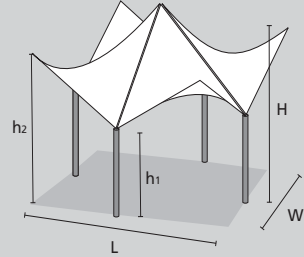
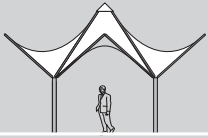
- HDPE shade net: 10 years life span
- PVC coated polyester mesh: 15+ years
- PVC coated glass mesh: 20+ years
- Silicone coated glass mesh: 30+ years



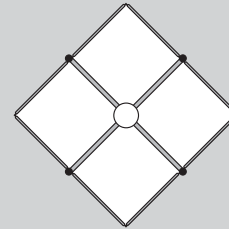
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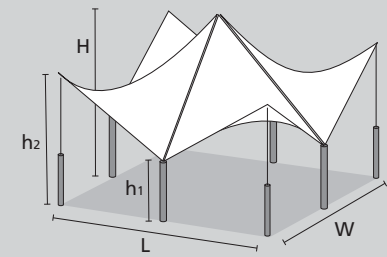
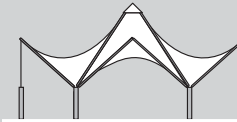
Dimensions					
	L	W	h1	h2	H
16'5" x 16'5"	16'5"	16'5"	7'2"	11'5"	15'5"
5 x 5 m	5m	5m	2.1m	3.6m	4.7m



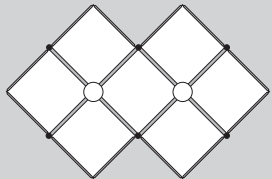
pagoda grande



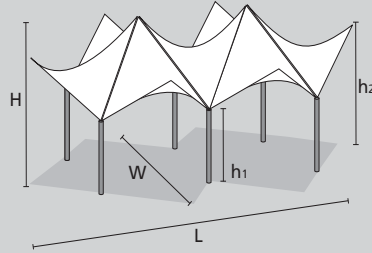
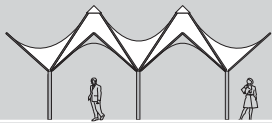
Dimensions					
	L	W	h1	h2	H
32'9"	32'9"	32'9"	8'	16'2"	23'
10 x 10 m	10m	10m	2.3m	5.4m	7m



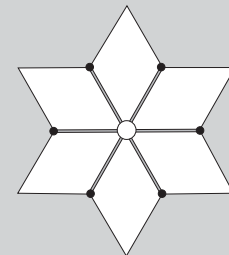
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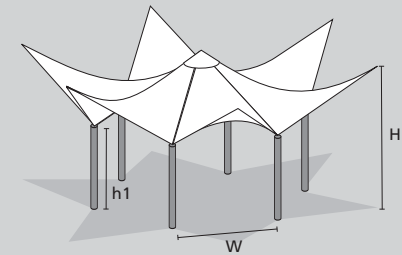
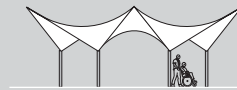
Dimensions					
	L	W	h1	h2	H
34'5" x 22'11"	34'5"	22'11"	7'2"	11'5"	15'5"
10.5 x 7m	10.5m	7m	2.1m	3.6m	4.7m



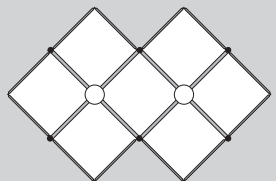
pagoda star



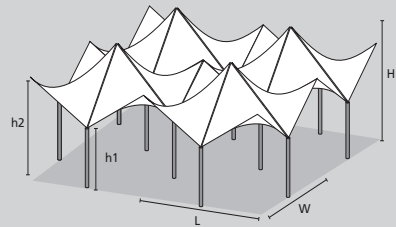
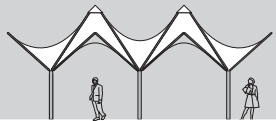
Dimensions				
	L	W	h1	H
27'11" dia.	27'11"	9'2"	6'10"	12'10"
3m dia.	2.8m	8.6m	2.1m	3.9m



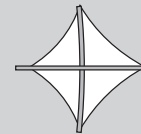
pagoda multi-modular



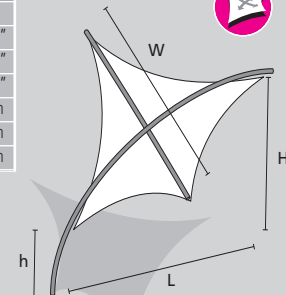
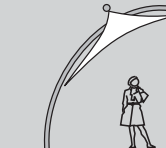
Dimensions - each module					
	L	W	h1	h2	H
16'5" x 16'5"	16'5"	16'5"	7'2"	11'5"	15'5"
5 x 5 m	5m	5m	2.1m	3.6m	4.7m



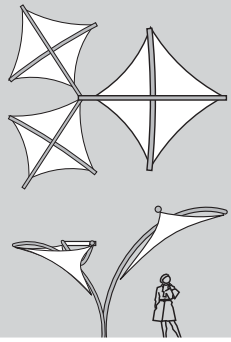
skylar



Dimensions				
	L	W	h	H
9'10" x 9'10"	10'6"	9'10"	7'3"	11'6"
13'1" x 13'1"	16'6"	12'6"	7'3"	15'5"
16'5" x 16'5"	17'5"	15'9"	7'10"	18'1"
3 x 3m	3.2m	3m	2.2m	3.5m
4 x 4m	4.2m	3.8m	2.2m	4.6m
5 x 5m	5.3m	4.8m	2.4m	5.5m

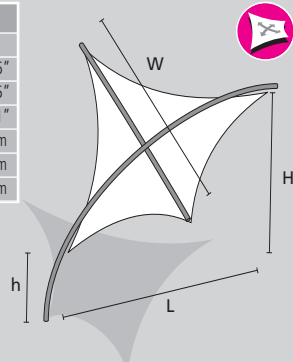


multi skylar

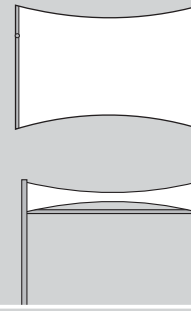


Dimensions

	L	W	h	H
9'10" x 9'10"	10'6"	9'10"	7'3"	11'6"
13'1" x 13'1"	16'6"	12'6"	7'3"	15'5"
16'5" x 16'5"	17'5"	15'9"	7'10"	18'1"
3 x 3m	3.2m	3m	2.2m	3.5m
4 x 4m	4.2m	3.8m	2.2m	4.6m
5 x 5m	5.3m	4.8m	2.4m	5.5m

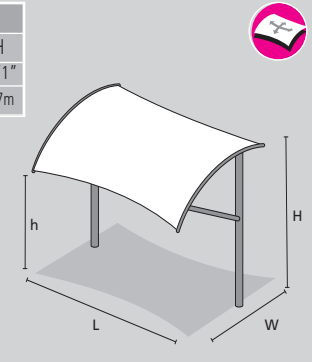


hull walkway

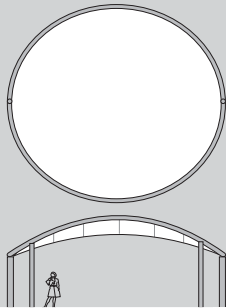


Dimensions

	L	W	h	H
16'5" x 9'10"	16'5"	9'10"	8'6"	12'1"
5 x 3m	5m	3m	2.7m	3.7m

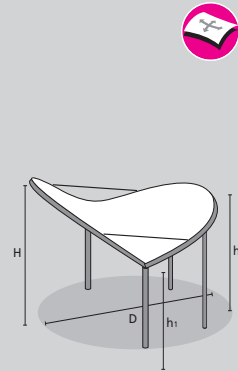


bandshell

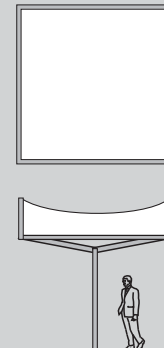


Dimensions

	D	h1	h2	H
19'8" dia.	19'8"	7'10"	11'6"	13'5"
32'9" dia.	32'9"	8'10"	13'9"	17'
6m dia.	6m	2.2m	3.3m	4.1m
10m dia.	10m	2.7m	4.2m	5.2m

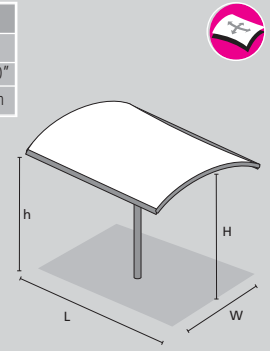


stork

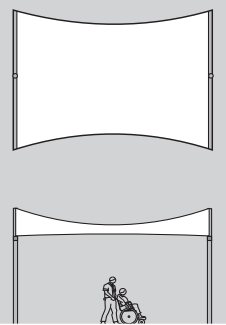


Dimensions

	L	W	h	H
13'1" x 13'1"	13'1"	13'1"	8'7"	10'10"
4m x 4m	4m	4m	2.7m	3.3m

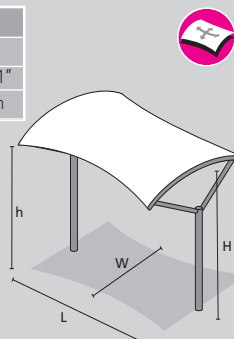


classroom

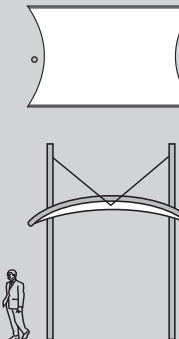


Dimensions

	L	W	h	H
22'11" x 16'5"	22'11"	16'5"	8'10"	13'1"
7m x 5m	7m	5m	3m	4m

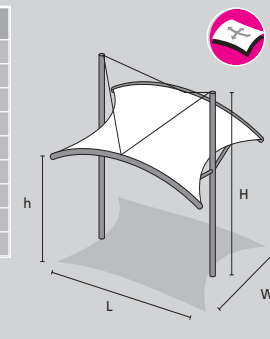


iron mountain



Dimensions

	L	W	h	H
13'1" x 9'10"	13'1"	9'10"	8'2"	15'5"
19'8" x 9'10"	19'8"	9'10"	7'2"	12'9"
19'8" x 13'1"	19'8"	13'1"	7'2"	14'1"
26'3" x 13'1"	26'3"	13'1"	7'2"	15'1"
4 x 3m	4m	3m	2.6m	4.5m
6 x 3m	3m	6m	2.2m	3.9m
6 x 4m	4m	6m	2.8m	4.6m
8 x 4m	4m	8m	3m	5m



wave

Dimensions				
	L	W	h	H
16'5" x 9'10"	16'5"	9'10"	7'6"	6'9"
5.3m	5m	3m	2.3m	2.9m

triple conic

Dimensions				
	L	W	h	H
22'11" x 55'7"	55'7"	22'11"	7'10"	17'1"
7m x 18m	18m	7m	2.3m	5m

single conic

Dimensions (ft)				
	L	h	H	
26'2" dia.	26'2"	7'10"	17'	
8m dia.	8m	2.5m	5.2m	

inverted conic

Dimensions				
	L	W	h	H
26'2" x 26'2"	26'2"	26'2"	7'10"	16'5"
8 x 8m	8m	8m	2.4m	5m

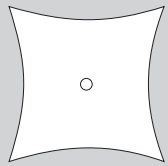
double conic

Dimensions				
	L	W	h	H
19'8" x 29'5"	29'5"	19'8"	7'10"	16'1"
29'5" x 35'1"	35'1"	29'5"	8'2"	17'1"
32'1" x 59'1"	59'1"	32'1"	11'6"	22'8"
6 x 9m	9.3m	6.4m	2.3m	4.9m
9 x 11m	11m	9m	2.5m	5.2m
10 x 18m	18m	10m	3.5m	6.9m

halo

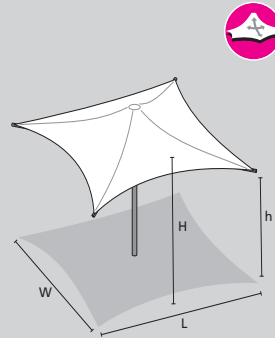
Dimensions				
	D	W	h	H
16'5" x 16'5"	16'5"	16'5"	7'2"	12'9"
19'8" x 19'8"	19'8"	19'8"	7'2"	14'1"
5 x 5m	5m	5m	2.2m	4m
6 x 6m	6m	6m	2.2m	4.3m

pod

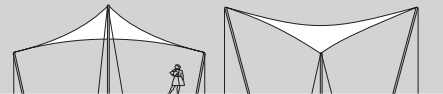
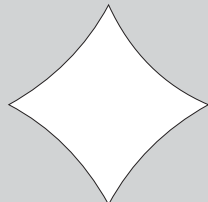


Dimensions

	L	W	h	H
9'10" x 9'10"	9'10"	9'10"	7'6"	10'6"
13'1" x 13'1"	13'1"	13'1"	7'6"	11'9"
16'5" x 16'5"	16'5"	16'5"	7'6"	13'1"
3 x 3m	3m	3m	2.2m	3m
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5 x 5m	5m	5m	2.2m	3.8m

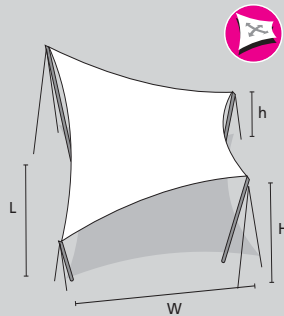


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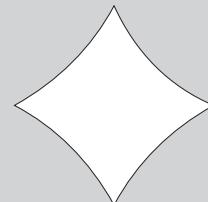


Dimensions

	D	W	h	H
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16'5" x 16'5"	16'5"	16'5"	7'2"	12'9"
19'8" x 19'8"	19'8"	19'8"	7'2"	14'1"
22'11" x 22'11"	22'11"	22'11"	7'2"	15'1"
4 x 4m	4m	4m	1.5m	2.9m
5 x 5m	5m	5m	2.2m	4m
6 x 6m	6m	6m	2.2m	4.3m
7 x 7m	7m	7m	2.2m	4.7m

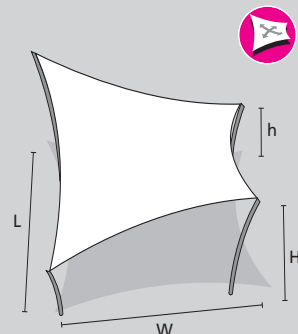


sirocco



Dimensions

	D	W	h	H
16'5" x 16'5"	16'5"	16'5"	7'2"	12'9"
19'8" x 19'8"	19'8"	19'8"	7'2"	14'1"
5 x 5m	5m	5m	2.2m	4m
6 x 6m	6m	6m	2.2m	4.3m



Framework & Finish

Frameworks are manufactured in mild steel and can be customized with the choice of two finishes:

- Galvanized.
 - PCI-4000 certified TGIC Polyester Powder Coat to match any color..
- Stainless Steel options are available on some designs – please contact our Sales Team for current pricing.

Fixtures & Fittings

Fixtures, fittings and smaller parts are manufactured in Marine Grade 316 Stainless Steel, plus some models may include anodized aluminum extrusion.

Fabric Canopies

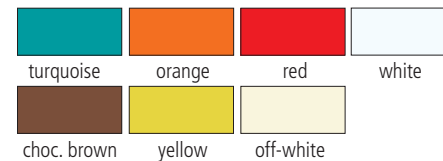
Canopies are fabricated using two types of architectural grade fabrics:

- PVC coated polyester available in a range of colors.



This fabric is color-fast with a life expectancy of 15 years and is a total UV-blocking material.

- Environmentally-friendly Solar Glass Weave is available in a variety of colors, with a life expectancy of 30 years.



This fabric blocks harmful UV-B and UV-C rays.

Fabrics have excellent resistance to mold, pollution and day-to-day grime build up. All fabrics are fire NFPA 701 - California State Fire Marshal which means they do not support combustion or produce flaming droplets.

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