

CHRIST THE KING: ST MARY'S · SIDCUP, UK

Ready-designed range

Shade, shelter and walkways, designed in advance

Twelve tensile fabric canopies and walkway systems, engineered and detailed in advance so they cost less and go up in days. Made in our factory in Chepstow, UK, and installed by our own team.

architen.com · +44 (0) 1291 638 200

INSPIRE · INNOVATE · PERFORM

ARCHITEN LANDRELL



DOUBLE CONIC · CHESTER RACECOURSE, UK

Who we are

Tensile fabric and ETFE structures, designed and made in the UK

Architen Landrell designs, engineers, fabricates, installs and maintains tensile membrane structures. Since 1983 we have built canopies, shade structures and walkways for schools, colleges, hospitals, shops and venues on six continents.

Our ready-designed range brings that experience to smaller projects. Every fabric panel is cut and welded in our own factory, and our group company, Metafab Structures, makes the steelwork that holds it up.

Inspire

We draw on our experience, other industries and the natural world to create inspiring designs.

Innovate

We challenge existing ways of doing things to push boundaries, improve structural and environmental performance, and make the seemingly impossible possible.

Perform

We deliver high-quality products that meet the design and performance requirements of every project.

1983
founded in Chepstow, South Wales

6 continents
where our structures stand

2,000 m²
of production space in our Chepstow factory

In-house
design, engineering, manufacture, installation and maintenance

Company information

The Architen Landrell Group

Four specialist companies, one integrated offer: from bespoke landmark roofs to modular structures, steelwork, coatings and the keder that holds it all together.

Bringing these capabilities together under one group means clients, architects and contractors can come to a single partner for the membrane, the structure that supports it and the components that fix it.

Architen Landrell

ARCHITECTURAL TENSILE FABRIC AND ETFE

Tensile fabric and ETFE architectural structures. Complex and bespoke projects around the world.

architen.com

Metafab Structures

STEELWORK AND COATINGS

Advanced architectural and structural steelwork fabrication for strong modular buildings, tensile structures and rapid construction. Advanced coatings with Metacoatings.

metafabs.com

Fabric Architecture

MODULAR AND SMALL-SCALE STRUCTURES

A standard range of tensile fabric canopies and shade structures, popular with schools and colleges. Full turnkey solution including groundworks.

fabricarchitecture.com

UK Keder

KEDER PRODUCTS

Supply of high-quality keder products for a wide range of applications, from tensile structures to caravans.

uk-keder.com

Our services

From concept all the way through to handover, then maintained

We design, engineer, make, install and maintain every ready-designed structure ourselves, so one accountable team looks after it from your first enquiry to its yearly inspection.

Runs through every stage — **Project management** — One dedicated project manager and a single point of contact, from design to maintenance

Design
Beautiful, buildable concepts

Engineering
For wind, snow and extreme weather

Manufacturing
2,000 m² in-house production

Support structures
Steel, aluminium or timber

Installation
Safe, skilled site teams worldwide

Maintenance
Inspection, cleaning and repair



RUNSHAW COLLEGE · LEYLAND, UK

Why ready-designed?

A tensile fabric structure without the design time

Our ready-designed range covers the spaces we are asked to shelter most: playgrounds, outdoor classrooms, dining areas, entrances, stages and the routes between buildings.

Lower cost

The design and engineering are already done, so your budget goes on the structure itself: the fabric, the steel and the installation.

Up in days

Most designs go up in three to five days once the foundations are in, so work can be planned around school holidays or quiet weeks.

Engineered and proven

Each design is fully engineered and has been built many times, for schools, colleges, hotels, shops and events.

Made and installed by us

The fabric is cut and welded in Chepstow, the steel is made by Metafab Structures and our own team installs it.

Your colours, your logo

White or coloured fabric, steel in any RAL colour, lighting and printed graphics, so the canopy suits your site.

A starting point for bespoke

A ready-designed structure can be adapted with small changes to suit your site, saving design time on a bespoke project.

Every design comes with

Fabric	PVC polyester or PTFE glass, in white or colours
Steel	Circular hollow section mild steel, in any RAL colour
Lighting	From our specialist lighting partners
Graphics	Logos and printed designs on the fabric
Rainwater	Drainage, gutters and diverters on selected designs
Temporary	Dune, Umbrella, Kalahari, Sahara and Tundra
Life	Approximately 15 to 30 years
Foundations	By others: we supply the engineering information

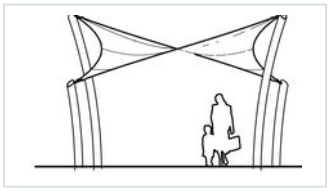
The range at a glance

Twelve designs, and what each one is good for

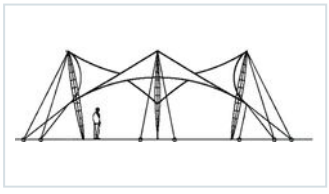
Erection times are for a permanent structure once the foundations are in. Not sure which design suits your space? We can guide you.

Design	Sizes	Erected in	Play	Outdoor classroom	Drop-off	Dining	Performance	Entrance	Walkway or queue	Bikes
Shade and shelter										
Dune	5 × 5 m, 6 × 6 m	Under 3 days	●	●	●	●	●			
Kalahari	10 m, 12 m, 15 m	Under 4 days	●	●		●	●			
Sahara	13 m clear span	Under 4 days				●	●			
Tundra	18 × 14 m	Under 3 days	●	●	●	●	●			
Umbrella	6 m, 9 m across	Under 3 days	●		●	●				
Double conic	11 × 8 m, 19 × 11 m	Under 5 days	●		●	●	●	●		
Shadeplay	5.45 m square, modular	Under 3 days	●	●	●					
Inverted conic	7.5 m, 9 m, modular	Under 3 days			●	●		●		
Walkway systems										
Archframe	3, 4.5 or 6 m bays	10 bays, under 5 days							●	●
Branchframe	3.4 m wide bays	10 bays, under 5 days							●	●
Cantilever	2.4 m reach	10 bays, under 5 days							●	●
Wingframe	Rising arch bays	10 bays, under 5 days					●		●	●

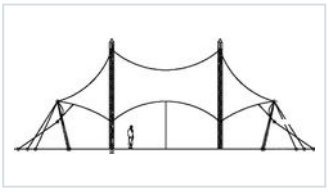
Front views, not to scale



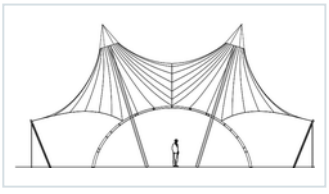
Dune



Kalahari



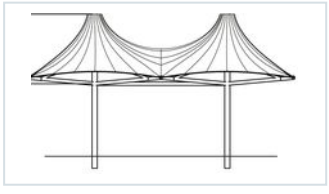
Sahara



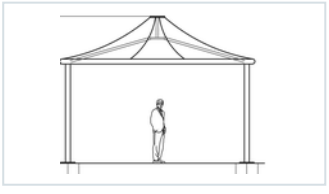
Tundra



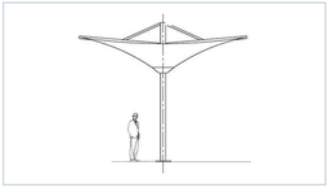
Umbrella



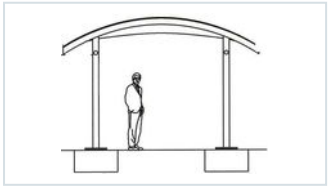
Double conic



Shadeplay



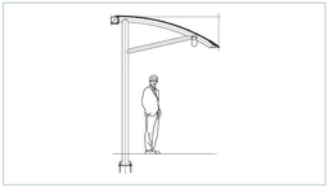
Inverted conic



Archframe



Branchframe



Cantilever



Wingframe



Ready-designed range · 01

Dune

5 × 5 M OR 6 × 6 M · FOUR-POINT SAIL

A four-sided hypar: a sail with two high and two low corners on curved steel masts. The twist keeps the fabric taut, and the sail suits anything from a dining area to a space for play, performance or a sheltered drop-off.

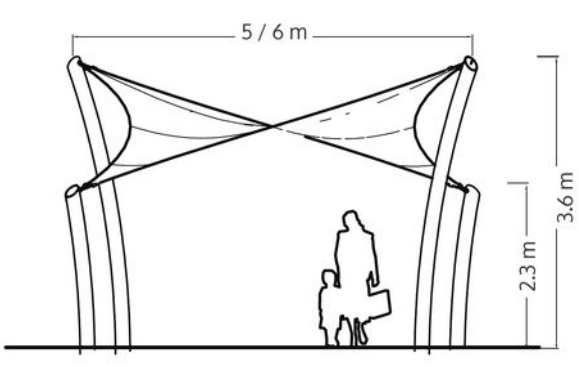
Ideal for

- Play spaces
- Outdoor classrooms
- Pick-up and drop-off
- Dining areas
- Performance

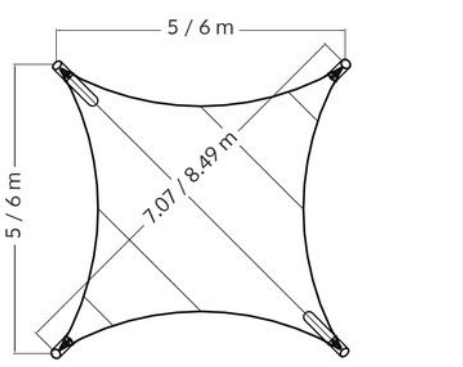
Technical details

Sizes	5 × 5 m or 6 × 6 m
Height	5 m: high corners 3.6 m, low corners 2.3 m
Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	Under 3 days
Options	Lighting, graphics, drainage; temporary version
Life	Approximately 15 to 30 years
Foundations	By others; we supply the engineering information

FRONT VIEW · 5 M / 6 M (HEIGHTS FOR 5 M)



PLAN VIEW · 5 M / 6 M





KALAHARI · CHRIST THE KING: ST MARY'S, SIDCUP

Ready-designed range · 02

Kalahari

10 M, 12 M OR 15 M · SIX-SIDED SAIL

A six-sided sail on raking masts, with high and low points around its edge. It gives a large, open covered space for playgrounds, outdoor classrooms, dining, amphitheatres and touring events.

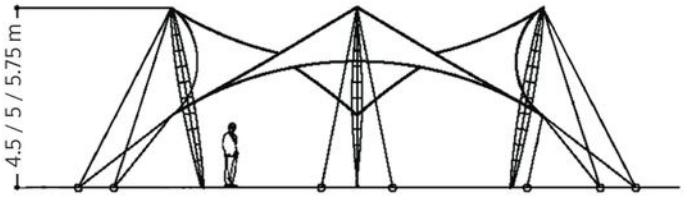
Ideal for

- Outdoor classrooms
- Performance and amphitheatres
- Dining areas
- Playgrounds
- Touring events

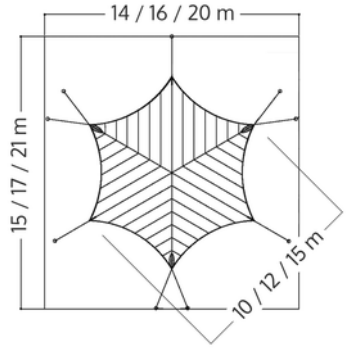
Technical details

Sizes	10 m, 12 m or 15 m
Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	Under 4 days
Options	Lighting, graphics; temporary version
Life	Approximately 15 to 30 years
Foundations	By others; we supply the engineering information

FRONT VIEW · 10 M / 12 M / 15 M



PLAN VIEW · 10 M / 12 M / 15 M





Ready-designed range · 03

Sahara

13 M CLEAR SPAN · SAIL PAVILION

A sail pavilion on two tall masts with a 13 m clear span: room for up to 150 people with no columns in the middle. Used worldwide both for temporary events and as a permanent pavilion.

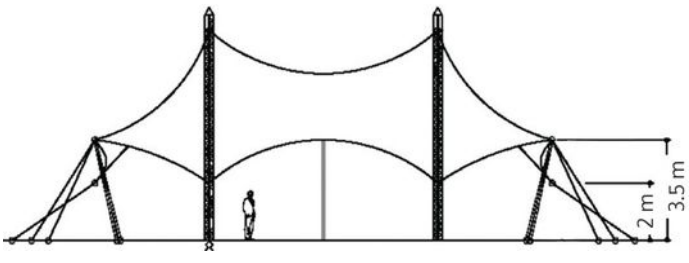
Ideal for

- Events and touring
- Performance
- Covered dining
- Gatherings of up to 150 people

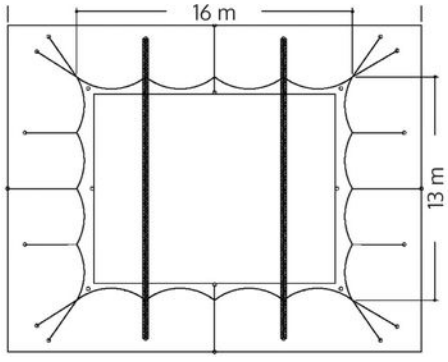
Technical details

Clear span	13 m
Capacity	Up to 150 people
Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	Under 4 days
Options	Lighting, graphics; temporary version
Life	Approximately 15 to 30 years
Foundations	By others; we supply the engineering information

FRONT VIEW



PLAN VIEW





Ready-designed range · 04

Tundra

18 × 14 M · TWIN PEAKS OVER ARCHES

Two fabric peaks lifted over crossing steel arches: a striking, sculptural canopy that gives a large covered area for an outdoor classroom, covered seating, a shaded play area or a stage.

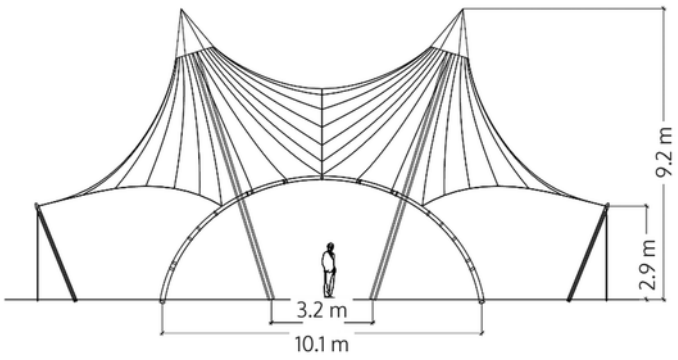
Ideal for

- Play spaces
- Outdoor classrooms
- Performance
- Covered seating
- Pick-up and drop-off

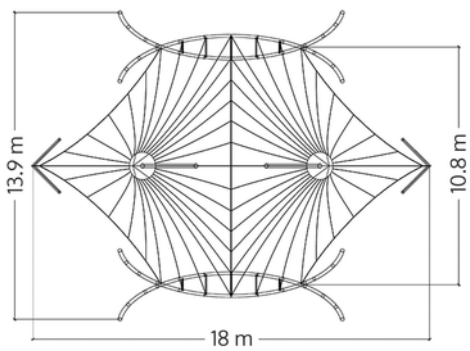
Technical details

Size	18 × 14 m
Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	Under 3 days
Options	Lighting, graphics; temporary version
Life	Approximately 15 to 30 years
Foundations	By others; we supply the engineering information

FRONT VIEW



PLAN VIEW





Ready-designed range · 05

Umbrella

6 M OR 9 M ACROSS · CONE ON ONE COLUMN

The traditional tensile umbrella: a fabric cone on a single central column, so the space below stays open. Use one on its own or several together over seating, play areas, refreshment points and drop-offs.

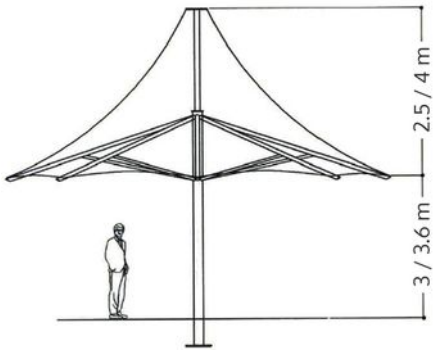
Ideal for

- Seating areas
- Play spaces
- Refreshments and cafés
- Pick-up and drop-off
- Solar shading

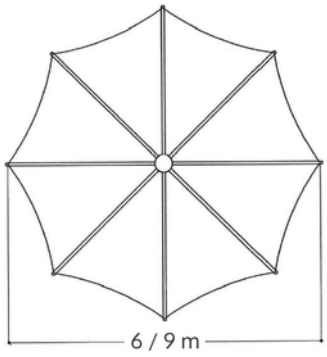
Technical details

Sizes	6 m or 9 m across
Height	6 m: 3 m to the edge, 5.5 m to the top
	9 m: 3.6 m to the edge, 7.6 m to the top
Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	Under 3 days
Options	Lighting, graphics; temporary version
Life	Approximately 15 to 30 years
Foundations	By others; we supply the engineering information

FRONT VIEW · 6 M / 9 M



PLAN VIEW · 6 M / 9 M





Ready-designed range · 06

Double conic

11 × 8 M OR 19 × 11 M · TWIN CONES ON A FRAME

Twin peaked cones on a steel frame give plenty of weather-protected space: over seating and play areas, a dining area, an entrance or a pick-up and drop-off point. The larger 19 × 11 m version covers more than twice the area.

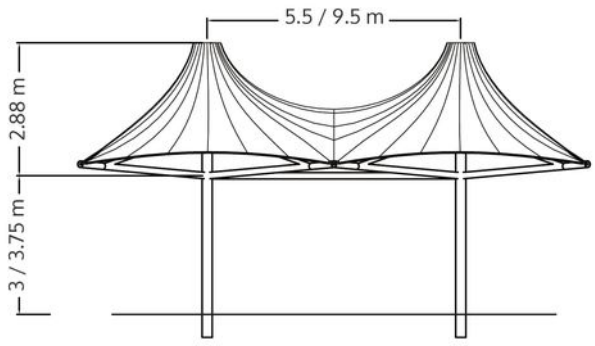
Ideal for

- Entrances
- Pick-up and drop-off
- Covered dining
- Seating and play
- Performance

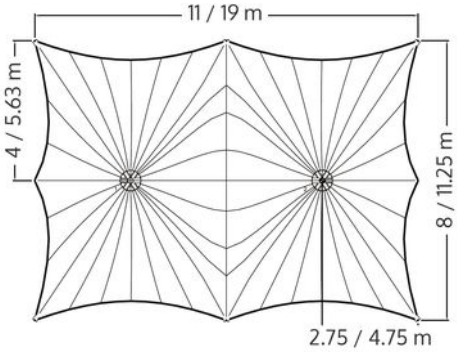
Technical details

Sizes	11 × 8 m or 19 × 11 m
Edge height	3 m (11 × 8 m) or 3.75 m (19 × 11 m)
Peak height	About 5.9 m or 6.6 m
Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	Under 5 days
Options	Lighting, graphics, drainage
Life	Approximately 15 to 30 years
Foundations	By others; we supply the engineering information

FRONT VIEW · 11 × 8 M / 19 × 11 M



PLAN VIEW · 11 × 8 M / 19 × 11 M





Ready-designed range · 07

Shadeplay

5.45 M SQUARE · MODULAR

A fabric cone on a square frame of four posts, made for school playgrounds. Use one on its own, or join modules together into blocks or L-shapes to cover a larger area.

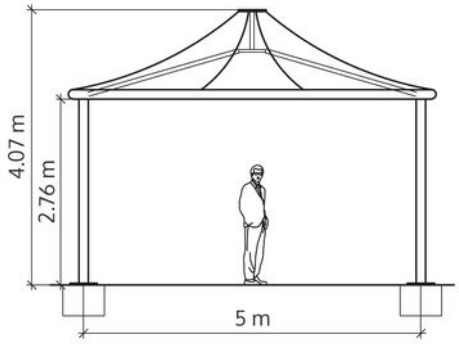
Ideal for

- School playgrounds
- Outdoor classrooms
- Pick-up and drop-off
- Covered seating

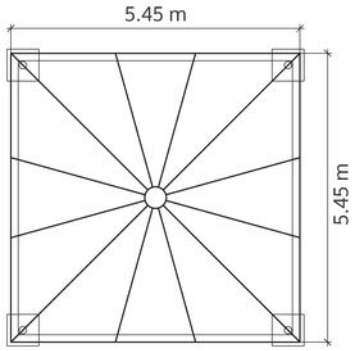
Technical details

Module	5.45 m square, 5 m between posts
Height	2.76 m to the edge, 4.07 m to the top
Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	Under 3 days
Options	Gutters, side walls, lighting, graphics
Life	Approximately 15 to 30 years
Foundations	By others; we supply the engineering information

FRONT VIEW



PLAN VIEW





INVERTED CONIC · READY-DESIGNED RANGE

Ready-designed range · 08

Inverted conic

7.5 M OR 9 M · INVERTED CONE ON ONE COLUMN

A twist on the traditional cone: the fabric dips to a single column and takes the rainwater down it. Use one as an entrance feature or join several into a modular canopy over dining, social and drop-off areas.

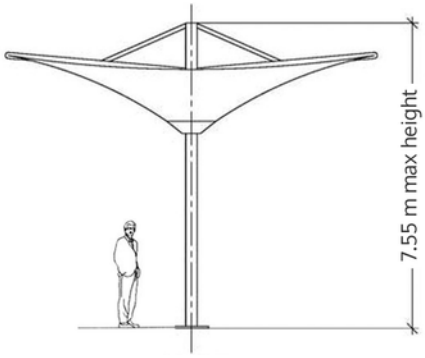
Ideal for

- Entrances
- Pick-up and drop-off
- Covered dining
- Social spaces
- Solar shading

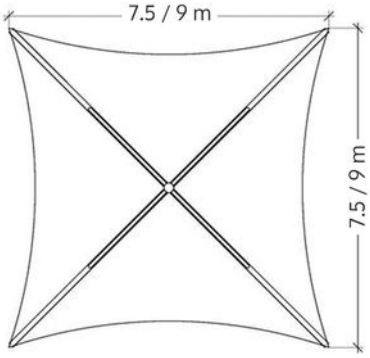
Technical details

Sizes	7.5 m or 9 m square
Height	Up to 7.55 m
Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	Under 3 days
Options	Lighting, graphics, polycarbonate infill panels between modules
Life	Approximately 15 to 30 years
Foundations	By others; we supply the engineering information

FRONT VIEW · 7.5 M / 9 M



PLAN VIEW · 7.5 M / 9 M





ARCHFRAME · READY-DESIGNED WALKWAY

Ready-designed walkways · 09

Archframe

3 M, 4.5 M OR 6 M BAYS · TWO COLUMNS PER BAY

Arched bays on a column either side, with a clear height of 2.2 m. The walkway is modular and built bay by bay to any length; the bays can follow the line of a curving path or seating and step with changes in ground level.

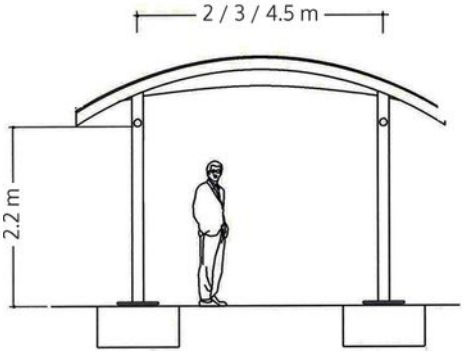
Ideal for

- Covered walkways
- Sheltered queuing areas
- Bicycle shelters
- Links between buildings

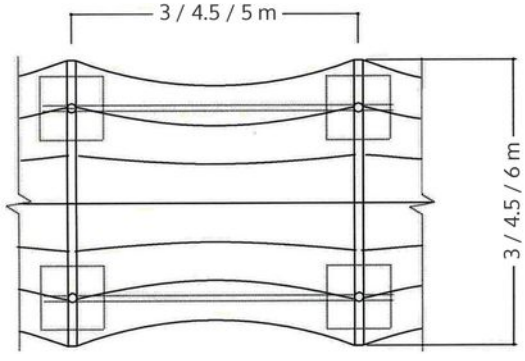
Technical details

Bays	3 m, 4.5 m or 6 m
Clear height	2.2 m
Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	10 bays in under 5 days
Options	Lighting, graphics
Life	Approximately 15 to 30 years
Foundations	By others; we supply the engineering information

FRONT VIEW · 3 M / 4.5 M / 6 M



PLAN VIEW · 3 M / 4.5 M / 6 M





BRANCHFRAME · READY-DESIGNED WALKWAY

Ready-designed walkways · 10

Branchframe

3.4 M WIDE · ONE CENTRAL COLUMN PER BAY

A classically shaped walkway on a single central column per bay, with branching arms up to an arched roof 3.4 m wide. With only one column per bay, the path stays clear on both sides, and the modular bays can be shaped to fit their space.

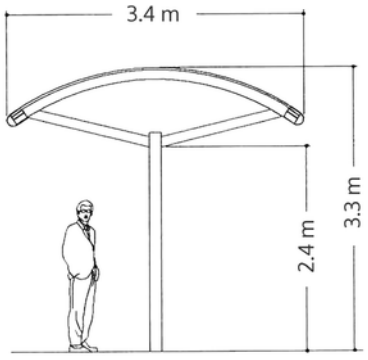
Ideal for

- Covered walkways
- Sheltered queuing areas
- Bicycle shelters
- Links between buildings

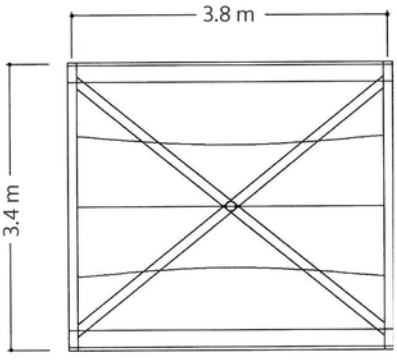
Technical details

Width	3.4 m
Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	10 bays in under 5 days
Options	Lighting, graphics
Life	Approximately 15 to 30 years
Foundations	By others; we supply the engineering information

FRONT VIEW



PLAN VIEW





CANTILEVER · READY-DESIGNED WALKWAY

Cantilever

2.4 M REACH · DOWNWARD ARCH ON ONE COLUMN PER BAY

One column per bay supports a downward arch that reaches out over the path, so the canopy can run alongside a building wall and leave the ground beneath clear for people, prams and bikes. Drainage can be built in.

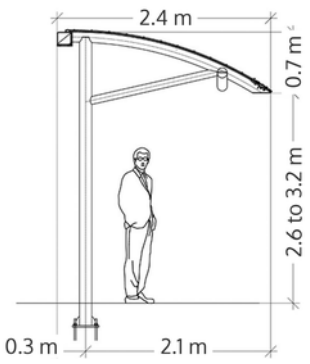
Ideal for

- Covered walkways along buildings
- Sheltered queuing areas
- Bicycle shelters
- Pick-up and drop-off

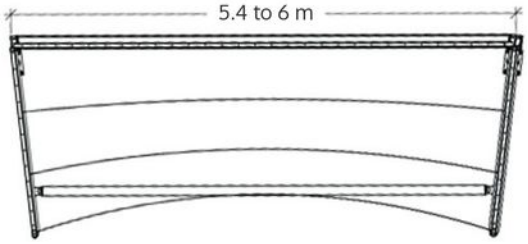
Technical details

Reach	2.4 m
Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	10 bays in under 5 days
Options	Drainage, lighting, graphics
Life	Approximately 15 to 30 years
Foundations	By others; we supply the engineering information

SIDE VIEW



PLAN VIEW





WINGFRAME · READY-DESIGNED WALKWAY

Ready-designed walkways · 12

Wingframe

RISING ARCH · ONE COLUMN PER BAY

One column per bay supports a cantilevered rising arch, opening the canopy up towards the sky. It makes a striking amphitheatre canopy, a cover for bicycle storage or a sheltered route between buildings.

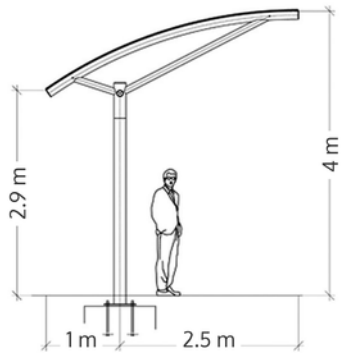
Ideal for

- Amphitheatre canopies
- Covered walkways
- Sheltered queuing areas
- Bicycle shelters

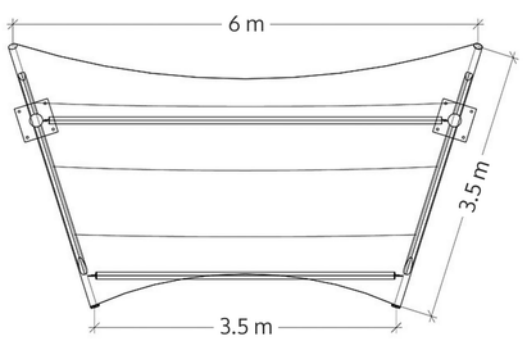
Technical details

Fabric	PVC polyester or PTFE glass
Frame	Mild steel, any RAL colour
Erected in	10 bays in under 5 days
Options	Lighting, graphics
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Foundations	By others; we supply the engineering information

SIDE VIEW



PLAN VIEW





OUR FACTORY · CHEPSTOW, UK

For schools, architects and clients

From first sketch to finished canopy

One team looks after your structure from start to finish, so there is a single point of contact and no gaps between design, manufacture and installation.

01

Choose a design

Tell us about your space and how it will be used. We will suggest a design and size, or we can guide you to a bespoke option.

02

Foundations

We supply the engineering information so your groundworks contractor can design and build the foundations, and drawings for planning if needed.

03

Made in Chepstow

The fabric is cut and welded in our factory and the steel is made by Metafab Structures, finished in your chosen colour.

04

Installed by our team

Most designs go up in three to five days, planned around term times, opening hours or quiet weeks.

Questions we are often asked

Good to know before you order

Frequently asked questions

Which fabrics can I have?

PVC polyester or PTFE glass. Both are waterproof; they differ in translucency, colour choice and life. PVC comes in white and colours and can be printed.

What happens to the rainwater?

Most designs shed water to their edges. The Inverted conic takes it down its column, and gutters or diverters can be added to several designs.

Are the structures safe for children?

They are designed for school playgrounds. Free-standing designs such as the Dune use thick curved masts with no tie-down cables across the play area.

Do I need planning permission?

Not every structure does, so check with your local planning authority before you order. We can provide drawings to support an application.

Is there anything not included?

Our price covers the structure above ground. The foundations are by others: we supply the engineering information your groundworks contractor needs.

Can it be temporary?

Yes. The Dune, Umbrella, Kalahari, Sahara and Tundra also come as temporary structures, and we can show your team how to put them up and take them down.

How much maintenance is needed?

Very little. We recommend a yearly inspection, with cleaning and re-tensioning as needed, to keep the fabric taut and looking its best.

Can a design be changed to suit my site?

Yes. Small changes to size, height or fixings can adapt a ready-designed structure, and it can be the starting point for a bespoke one.



Let's talk about your space

Working hand in hand with schools, design teams and clients to find the right structure

Maintenance and repairs

Already have a canopy?

We inspect, clean, repair and re-tension fabric structures and fit new fabric, including structures built by other companies, with a 24-hour emergency response.

- Yearly inspections and condition surveys
- Professional cleaning and re-tensioning
- Repairs on site, or new panels from our factory
- New fabric fitted to the existing frame
- Work planned around school terms and opening hours

Maintenance team: maintenance@architen.com

Contact

+44 (0) 1291 638 200

mail@architen.com

architen.com

Head office and factory

Architen Landrell
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NP16 5PF, United Kingdom

ARCHITEN LANDRELL

INSPIRE · INNOVATE · PERFORM

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