



Design Intent

The curved cantilever shade structure utilizes offset columns to support overhead frame members and fabric. This system allows ideal over-arching shade coverage of walkways, drop-off/pick-up areas, queue lines, etc. Fabric tensioning is done via integrated telescoping tensioners located in the truss ends and at the column end of the truss. These mechanical tensioners allow easy installation, removal, and periodic re-tensioning of the top, allowing simplified fabric maintenance. The use of stainless hardware in the tensioning system ensures a lifetime of service.

Description

This shelter is ideal when shade is required over a relatively narrow, linear area, such as walkways. The columns can be placed off the traffic area with shade coverage extending out over the area of coverage. Finish of frame members and fabric color can be coordinated to complement adjacent structures.

Fabric Options

High Density Polyethylene (HDPE) Shade Fabric (standard)

- Heavy duty professional grade architectural shade fabric
- Made from UV stabilized HDPE monofilament and tape yarns
- Specialized lock stitch knit for more air movement
- Constructed to block up to 98.8% of harmful UV sun rays
- Heat set for ease of fabrication and to limit shrinkage
- Recyclable, tear resistant and will not crack, rot or fade
- 10 year manufacturer's limited warranty against UV degradation
- Sewn together using Gore® Tenara® sewing thread which does not deteriorate from exposure to the elements or UV radiation
- Also available with flame retardant

Water Resistant Fabric (optional)

- Material made from a solution dyed fiber
- Outstanding mold and mildew resistance
- Recyclable and UV resistant
- Meets a wide variety of fire codes for flame retardancy
- 5 year manufacturer's limited warranty against UV degradation

Vinyl Fabric (optional)

- Year round fabric in permitting areas
- Simplified cleaning
- Printable
- Smooth surface does not allow dirt to become trapped
- High tenacity polyester weave with (6) mil both sides top coat of PVC
- Meets a wide variety of fire codes for flame retardancy
- 8 year manufacturer's limited warranty against UV degradation

Frame Finish

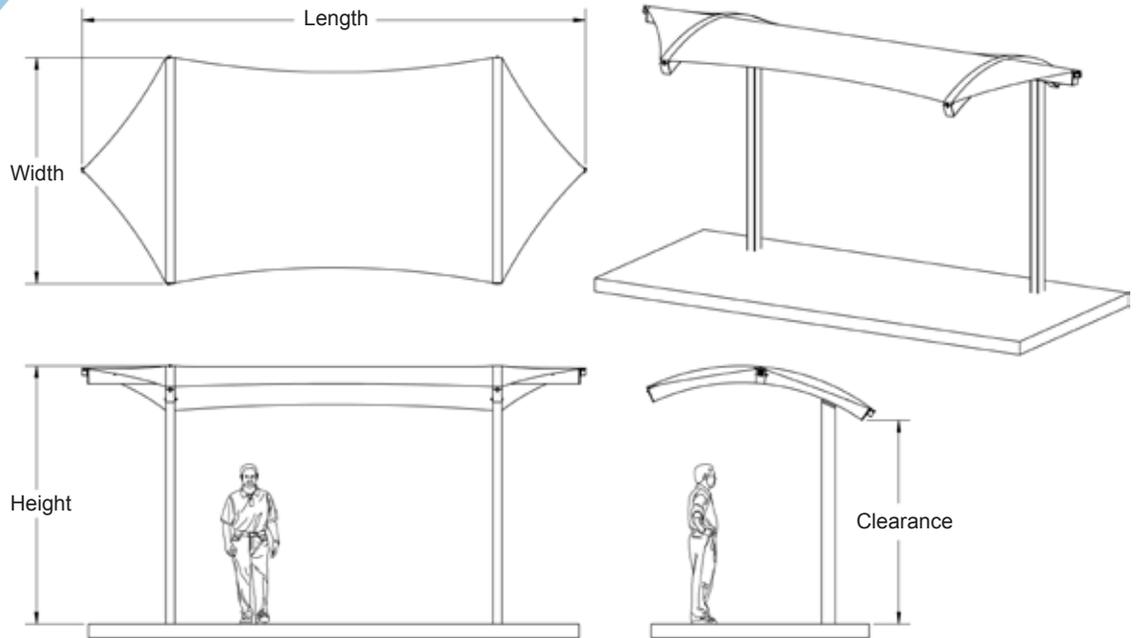
- Coated with Poli-5000® super-durable TGIC powder & epoxy primer
- Powder Coat Institute (PCI) 4000 certified
- Excellent outdoor durability and fade resistance
- Powder coated exposed fasteners

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Arch Cantilever ICAA



BIN	Width	Length	Number of Columns	Clearance Height	Square Feet
ICAA	8	12	2	7'-6"	72
ICAA	8	18	2	7'-6"	120
ICAA	8	24	3	7'-6"	168
ICAA	10	12	2	7'-6"	84
ICAA	10	18	2	7'-6"	144
IICAA	10	24	3	7'-6"	204

Applications

- Walkway shade
- Parking shade
- Transit shelter

Options

- Type and color of fabric
- Frame color
- Change in clearance height

Installation and removal of the fabric top is made easy with Poligon's patented tensioning system. Depending upon the shelter selection, a round or square tensioner may be provided at key locations to tension and tighten the fabric top to the steel frame. These devices are integrated into the structural frame and are unlike other fabric shelters that use unsightly galvanized turnbuckles or clumsy cable clamps in the hem system. Poligon makes it simple with a hex key wrench or drill. The fabric corner has a sewn in D-ring and cable in the hem that is slipped over the tensioner's stainless steel hook. The allen (or hex) wrench is inserted into the end of the tensioner and twisted to loosen or tighten the top. Our product features stainless steel hardware to ensure continued performance throughout the long life of a shelter.



Poligon shade structures are the strongest in the industry. These shelters (fabric and frame) are designed to withstand winds up to 90 mph with fabric installed. Durability of design, manufacturing, and finish go hand-in-hand to create a shade shelter that consistently outperforms all others. In addition to built-in quality, our attention to detail throughout the design and order process, as well as follow up customer service, are the reasons customers equate Poligon with value, durability and longevity.