Sails FSL

Design Intent

Shade sail installations provide for an interesting and dramatic look. To ensure fabric performance Poligon will design slope into each fabric top to ensure proper water shed, avoid wear and improve longevity. Multiple sails are often attached to one column and layered to increase shade or add dramatic effects.

Description

Each sail can have three, four, or more corners that attach to the columns. A sail with three corners will lie flat creating a triangle with no curvature between the columns. A minimum slope of 10 to 18 degrees is essential to shed water, add interest, and provide more shaded area. Multiple sails are often connected to one column at the same or alternate heights. Sails are tensioned with stainless steel turnbuckles and cables at the perimeter of the fabric

Sizes and Heights

- Distances between columns can be as small as 10’ and as large as 36’
- Shade sail heights start at 8’ and will be at 13’ or higher over a span of 30’

Fabric Options

High Density Polyethylene (HDPE) Shade Fabric

- 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

Frame Finish

- Coated with Poli-5000® super-durable TGIC powder coating & epoxy primer
- Powder Coat Institute (PCI) 4000 certified facility
- Excellent outdoor durability and fade resistance
- Withstands harsh environments

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Three Sided Sails

- 10’ to 36’ allowed between columns
- Custom triangular shapes made between columns must not have interior angle smaller than 24°
- Long and narrow sails should be avoided
- Standard stainless steel tensioning hardware, periphery cable and sail attachment plates ease installation and seasonal removal

Four Sided Sails

- Sails are attached at different heights to create a saddle shape in the fabric
- Saddle shape (hypar) allows for increased stability over triangular sails in high winds
- Same rules for placing columns and pitch as three sided sails
- Two opposite columns can have higher attachment points than the other two columns or a saddle shape can be made by having only one sail attachment point higher than the three others