

610-444-4402 or info@recreation-resource.com



Shade 
systems™
INC.

the coolest solutions under the sun®

To Our Valued Customers, Representatives, and Employees:

In the early days of the millennium, and in response to the public's growing awareness of the dangers of unprotected sun exposure, Shade Systems was established to offer a higher-quality pre-engineered alternative to the confusing raft of amateurish shade options on the market at the time.

Now in our 15th year, we have continually refined our products since our early days, and this latest edition of the Shade Systems product catalog contains our very best design and engineering innovations, proving year after year that Shade Systems is the quality leader in the shade industry.

A perfect example of our leadership is our patented Turn-N-Slide™ easy canopy removal and re-attachment system, which some have attempted to imitate, but none have equaled. Shown on page 5, the Turn-N-Slide makes it easy for most anyone on your staff to quickly remove and re-attach the canopy in the event of severe storm or for the winter season.

Turn to pages 18 thru 25 for our innovative 'Sails' products, including our stylishly complex Multi-Level 'Sails' – the highest quality fabric tension structures on the market. Like our frame-supported shade products, 'Sails' also feature an easy-to-use canopy attachment system for quick removal of the fabric canopies (detail shown on page 20).

For a real show-stopper in imaginative shade protection, look no further than our stunning Tornado®. With its gracefully arching steel pipe arms radiating outward, it's one of our most attractive shade structure designs, with sculpture-like appeal across a broad spectrum of environments where shade is needed but in an aesthetically-appealing style.

For all the above reasons, together with time-tested engineering which is backed by the most air-tight warranties on the market, Shade Systems is proud to be the most-specified name in the shade business. We look forward to serving your shade needs for many years to come.

Sincerely,



Alan Bayman
President





PROJECT INFO

On this Page:

Santa Ana Wellness Center – Santa Ana Pueblo, New Mexico
See page 18 for more 'Sails' ideas

On the Cover:

Sullivan Park – City of Deerfield Beach, Florida
See page 24 for more Multi-Level 'Sails' ideas

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Why Choose Shade Systems?

✓ Turn-N-Slide™ Easy Fastening System



- Makes it easy to remove and re-attach the fabric canopy for the winter season or in case of severe storm such as hurricanes (most other shade companies' products are permanent and require professional installers to remove and re-install the canopy)
- Only patented and time-tested system of its kind – in continuous use nationwide since 2003
- See our demonstration video at: www.shadesystemsinc.com

✓ One-Point 'Sails' Attachment System

- No need to thread messy cables – each corner of the 'Sails' fabric canopy features a stainless steel bracket with just one tensioning bolt to easily attach or remove the canopy.
- Cables are permanently concealed in the hems and terminate in the stainless steel bracket – you never have to touch them!
- All cables and hardware are corrosion resistant stainless steel for maximum durability.
- Please see page 20 for more details.



✓ Extensive use of stainless steel for maximum corrosion resistance

- All stainless steel hardware
- All stainless steel cables

✓ 100% U.S. made – All under one roof in our Florida factory!

Watch our 5-minute Factory Tour video:
www.shadesystemsinc.com

✓ Most comprehensive warranties in the industry

20yrs on metal frames against rust-through corrosion

10yrs on CoolNet™ shade fabric against deterioration

10yrs on CoolNet™ stitching thread against deterioration

10yrs on Turn-N-Slide™ Easy Fastening System

*** And none of the above warranties are pro-rated! ***

✓ Fire Rated

CoolNet™ shade fabric is treated with fire retardants, and passes the requirements established under the NFPA 701 Test Method 2 test standards for flammability, including the accelerated water leaching protocol. Ask for a copy of the test results.

✓ Maximum U.V. protection

- Up to 99% U.V. screening protects against sun overexposure
- Reduces temperatures by up to 15-20 degrees
- Extends the life of playground equipment and other property underneath

TURN-N-SLIDE™ Easy Fastening System



STEP 1:

Use our special vandal-resistant tool to remove access cap



STEP 2:

Turn concealed nut using a standard socket wrench. Attachment hook moves backward, releasing the canopy cables.



**Reverse the steps to re-attach
it's that easy!**

WHAT IS THE TURN-N-SLIDE™?

Our patented Turn-N-Slide™ Easy Fastening System is an ingenious mechanism which comes standard on all frame-supported Shade Systems products and makes removal and re-attachment of the canopy quick and easy for most anyone on your staff. And it's covered by a 10 year warranty.

WHY DO WE NEED SUCH A MECHANISM ON OUR SHADE?

If you are located in colder climates, you will want to remove your canopy and store it for the winter season. This prolongs the canopy's life by not subjecting it to snow loads and winter storms. Likewise, if you are located in an area subject to hurricanes or tornadoes, the Turn-N-Slide allows quick removal of the canopy as soon as you receive a storm warning.

WHAT DOES THE COMPETITION OFFER?

Good question. The competition's canopies are mostly designed to be permanent, and require special tools and oftentimes the services of professional installers for removal and especially re-installation. Ask the competition to describe the specific steps required to remove and then re-attach their canopy, and judge for yourself if the same thought has gone into their product as the Turn-N-Slide.

WHERE CAN WE LEARN MORE ABOUT THE TURN-N-SLIDE?

Visit our website at www.shadesystemsinc.com to see a 6-minute online demonstration video of how easy it is to remove and then re-attach your Shade Systems canopy.

Mega Spans



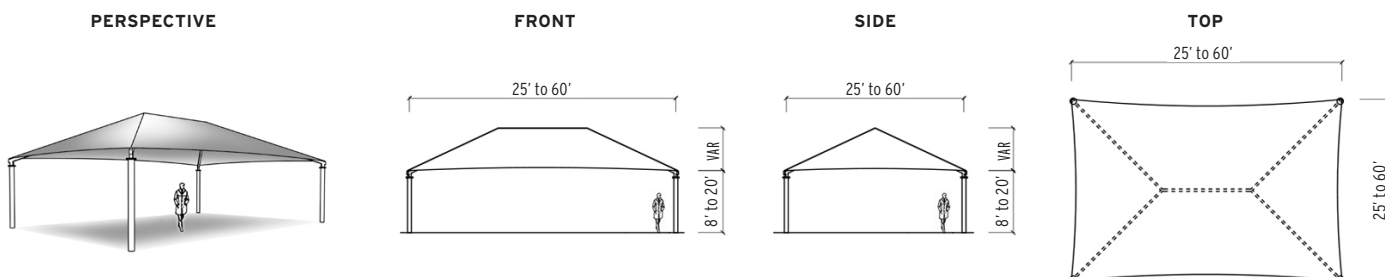
SEATING & CONCESSIONS

North Myrtle Beach Sports Park | North Myrtle Beach, South Carolina | Aquatic Blue canopy / Jet Black frame | 36' x 38' x 10' eave height

MEGA SPANS comprise our largest pre-engineered frame-supported shade structures, providing clear span coverage for spaces ranging from 900 square feet to over 5,000 square feet. Featuring heavy schedule 40 pipe columns and structural steel beams, Mega Span steel frames are shipped as easy-to-assemble bolt-together components requiring no in-field welding or fabrication.

Our exacting specifications include all stainless steel hardware and tensioning cables, and a durable powder-coat finish on all metal components in your choice of brilliant colors. And like our smaller frame-supported structures shown on pages 10-11, Mega Spans also include our remarkable Turn-N-Slide™ easy canopy fastening system. The Turn-N-Slide makes it easy to quickly remove and then re-attach the CoolNet™ fabric canopy for the winter season or in the event of severe storms such as hurricanes.

Please refer to the Turn-N-Slide details on page 5.



Available in sizes from 900 sq. ft. to over 5,000 sq. ft.



SPORTS COURTS

Winthrop Charter School | Riverview, Florida | Bright Red canopy / Jet Black frame (shown with optional post pads) | 54' x 90' x 12' eave height



PLAYGROUNDS

Sunset Point Park | Tamarac, Florida | Navy Blue canopy / Silver Flake frame (optional color) | 56' x 100' x 14' eave height



Yellow Jacket Park | Rockwall, Texas | Desert Sand canopy / Alpine White frame | 30' x 50' x 10' eave height

OUR TURN-N-SLIDE™ EASY FASTENING SYSTEM IS BUILT RIGHT IN!

(SEE DETAILS ON PAGE 5)

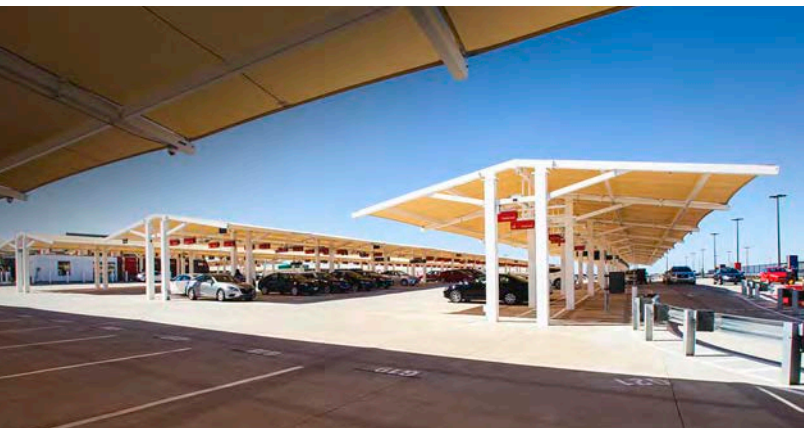


MEGA SPANS ARE PERFECT FOR:

- Playgrounds
- Dog Parks & Pet Boarding
- Parking & Car Washes
- Seating & Concessions



Parking and Vehicle Protection



Will Rogers Airport | Oklahoma City, Oklahoma | Desert Sand canopies / Alpine White frames | Total shade coverage: Approx. 180,000 s.f.

Shade Systems canopies are perfect for car parking applications as our remarkable CoolNet™ shade fabric keeps automotive interiors comfortably cool. The temperature in an unshaded car under the summer sun can rise to over 150 degrees, but a shaded car's interior temperature can be 60 degrees lower!

Popular designs for car parking include our Mega Spans and Cantilevers. Our patented Turn-N-Slide™ easy fastening system comes standard, making Shade Systems products the most user-friendly shade structures on the market when it comes time to remove the canopies! Please refer to the Turn-N-Slide details on page 5.

And all this convenience and quality is backed up by the most comprehensive warranty coverages in the industry: 20 years against rust-through corrosion on structural steel members, 10 years against deterioration on CoolNet shade fabrics and thread, and an additional 10 year warranty on the Turn-N-Slide easy fastening mechanism.

Call Shade Systems today for more information on how we can help you provide car parking shade that looks good and is designed to last. A vehicle parking brochure is available upon request.





Will Rogers Airport | Oklahoma City, Oklahoma | Desert Sand canopies / Alpine White frames | Total shade coverage: Approx. 180,000 s.f.



Northwest Florida Beaches International Airport | Panama City, Florida | Total shade coverage: Approx. 115,000 s.f.



SHADE SYSTEMS PRODUCTS ARE ENGINEERED FOR DURABILITY

Here are just a few of our rigorous specification highlights,
with more information shown starting on page 38:

- All stainless steel hardware and cables for maximum corrosion resistance
- All metal components feature our proprietary in-house pre-treatments and powder-coat finishes for maximum adhesion and colorfastness
- CoolNet™ shade fabric canopies are the heaviest of their kind and lock-stitched for strength

WITH TURN-N-SLIDE™ SYSTEM
FOR EASY CANOPY REMOVAL.

(SEE DETAILS ON PAGE 5)



Squares & Rectangles



PLAYGROUNDS

Windmill Park | City of Coconut Creek, Florida | Forest Green canopy / Evergreen frame | 20' x 20' x 8' eave height

Shade Systems' **SQUARE AND RECTANGULAR** designs form the backbone of our most effective and economical shade offerings. Engineered to meet the stringent International Building Code (IBC), these functional structures are available in a variety of colors, heights and sizes, and feature our remarkable Turn-N-Slide™ quick-release canopy fastening mechanism in case removal of the canopy becomes necessary due to severe storm or winter weather.



Champaign Parks District | Champaign, Illinois | Canary Yellow canopy / Jet Black frame | 8' x 30' x 7' eave height

DUGOUTS



SQUARES & RECTANGLES

Available in sizes from 10' x 10' to 25' x 25'



ENTRANCES

❖ **North Collier Reg. Park** | Collier County Parks • Naples, Florida | Desert Sand canopy / Coffee Brown frame | 20' x 25' x 12' eave height



BLEACHERS

❖ **North Shore Youth Center** | City of Miami Beach Parks • Miami Beach, Florida | Forest Green canopy / Evergreen frame | 20' x 25' x 12' eave height

❖ **Elk Grove Village** | Elk Grove, Illinois | Aquatic Blue canopy / Latte Tan frame | 18' x 18' x 8' eave height

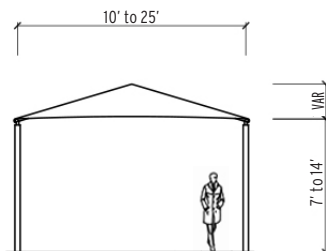


PICNIC AREAS

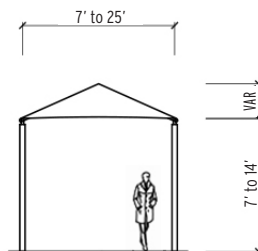
PERSPECTIVE



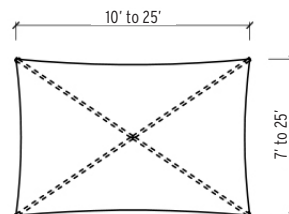
FRONT



SIDE



TOP



SQUARES & RECTANGLES ARE PERFECT FOR:

- Playgrounds
- Pools & Waterparks
- Bleachers and Dugouts
- Tennis and Shuffleboard
- Seating & Concessions
- Hotels, Resorts, Restaurants



Hexagons & Octagons



City of Des Moines Aquatic Center | Des Moines, Iowa | Aquatic Blue canopy / Alpine White frame |
33' dia. Hexagon - 8' eave height

HEXAGON



George Brummer Park | City of Pompano Beach, Florida | Forest Green canopy / Coffee Brown frame |
42' dia. Octagon - 12' eave height

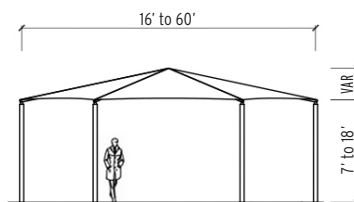
OCTAGON

HEXAGONS

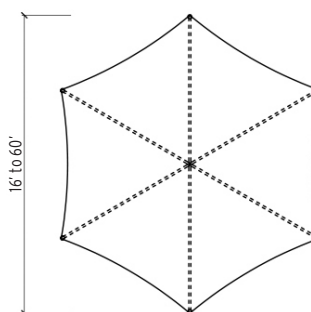
PERSPECTIVE



SIDE



TOP



Shade Systems' **HEXAGON AND OCTAGON** designs add a whimsical 'carousel' look to your play area or other outdoor gathering place. As with all our shade products, Hexagons and Octagons are engineered to meet the International Building Code (IBC), are available in a variety of heights and sizes, and feature our patented Turn-N-Slide™ easy canopy fastening system in case removal of the canopy becomes necessary. Please refer to the Turn-N-Slide details on page 5.

HEXAGONS & OCTAGONS ARE PERFECT FOR:

- Playgrounds
- Picnic Areas
- Concessions



HEXAGONS & OCTAGONS

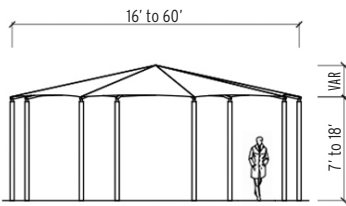
Available in 16' diameter to 60' diameter

OCTAGONS

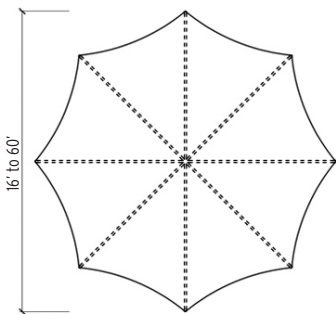
PERSPECTIVE



SIDE



TOP



HEXAGON

Fairmont Park | Birmingham, Alabama | Silver Grey canopy / Blue Streak frame | 40' dia. Hexagon - 13' eave height



HEXAGON

Peace Park | Aventura, Florida | River gum Green canopy / Alpine White frame | 60' dia. Hexagon - 12' eave height



OCTAGON

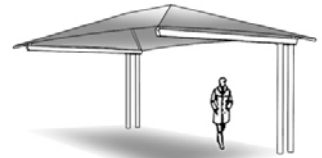
Collins Community Center | City of Oakland Park Recreation • Oakland Park, Florida | Forest Green canopy / Evergreen frame | 50' dia. Octagon - 12' eave height

Single Cantilevers

Available in sizes from
19' x 20' to 25' x 30'

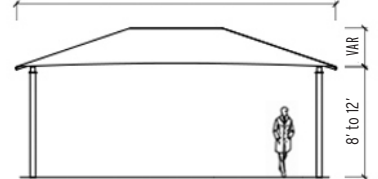
SINGLE CANTILEVER

PERSPECTIVE



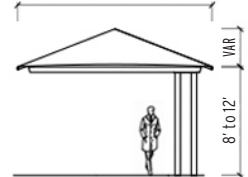
FRONT

Up to 30'



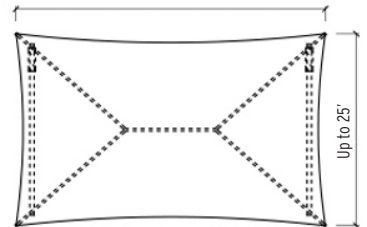
SIDE

Up to 25'



TOP

Up to 30'



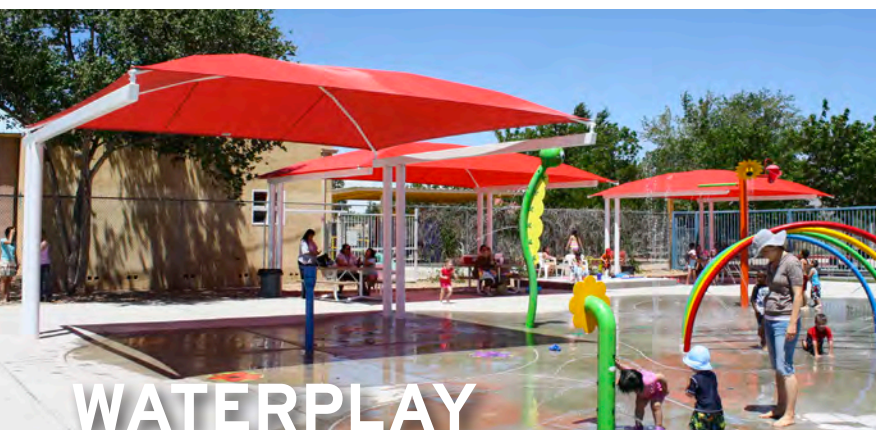
BLEACHERS

Russell Creek Park | City of Plano - Plano, Texas | Desert Sand canopy / Blue Streak frame | 19' x 30' x 10' eave height



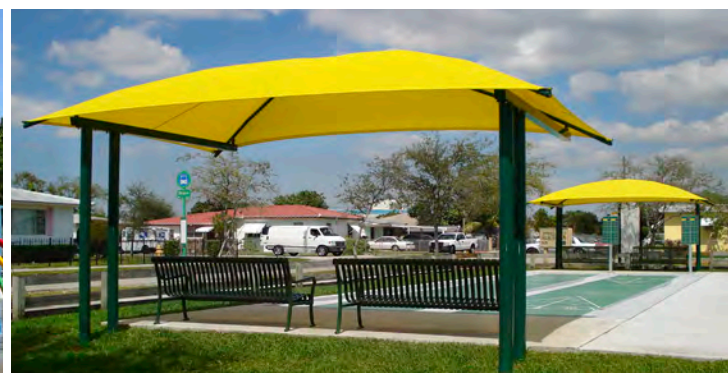
SEATING AREAS

Lowry Zoo | Tampa, FL | Grape Purple canopy / Bright Yellow frame (optional color) | 19' x 21' x 10' eave height



WATERPLAY

Alamedas Spray Park | Alamedas, New Mexico | Bright Red canopy / Alpine White frame | 19' x 20' x 10' eave height



SHUFFLEBOARD

Jefferson Reaves Park | Miami-Dade County Parks & Recreation - Miami, Florida | Canary Yellow canopy / Evergreen frame | 12' x 20' x 8' eave height

CANTILEVERS ARE PERFECT FOR:

- Bleachers
- Dugouts
- Pool Areas
- Picnic Areas
- Skate Parks
- Shuffleboard
- Seating Areas
- Tennis Courts



Available in sizes from
9' x 20' to 14' x 30'

Offset T-Cantilevers

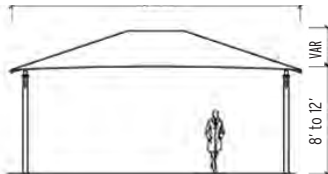
OFFSET T-CANTILEVER

PERSPECTIVE



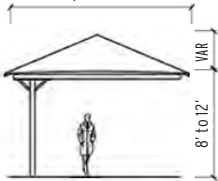
FRONT

Up to 30'



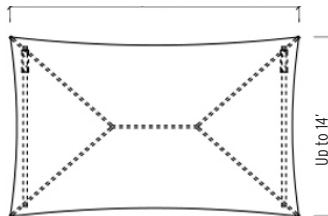
SIDE

Up to 14'



TOP

Up to 30'



PET BOARDING

Jill's Pet Resort | New Bern, North Carolina | Desert Sand canopy / Latte Tan frame | 14' x 30' x 8' eave height



BLEACHERS

Tuscowilla Park | Ocala Parks & Recreation • Ocala, Florida | Desert Sand canopy / Jet Black frame | 12' x 30' x 12' eave height

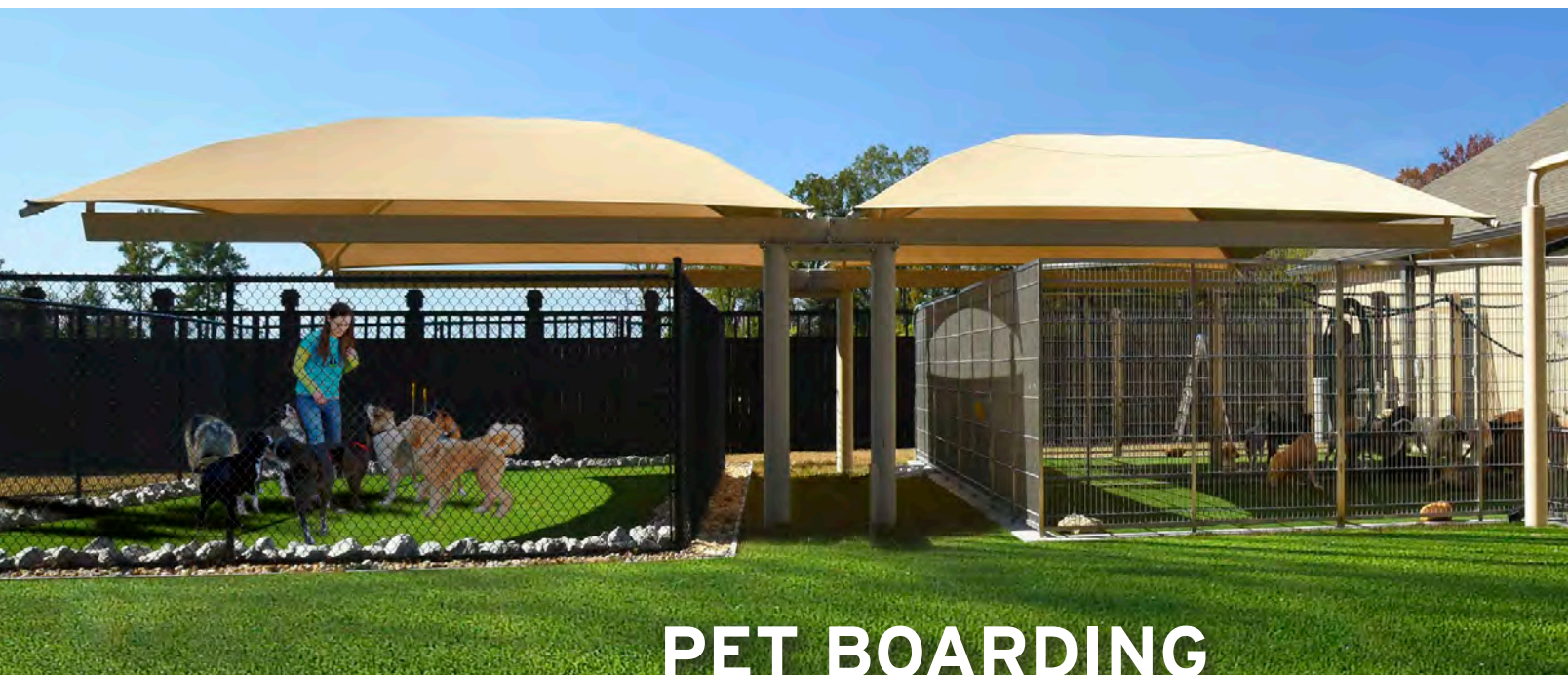


North Myrtle Beach Sports Park | North Myrtle Beach, South Carolina | Aquatic Blue canopy / Jet Black frame | 10' x 30' x 12' eave height



Palmetto Health | Columbia, South Carolina | Brick Red canopy / Silver Flake frame (optional color) | 8' x 57' x 10' eave height

Double Cantilevers

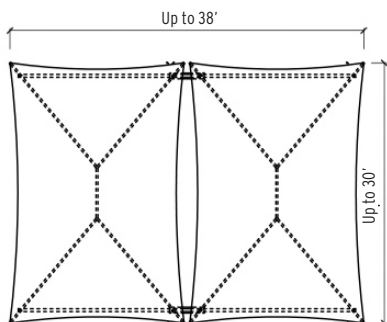
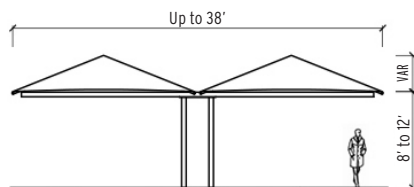
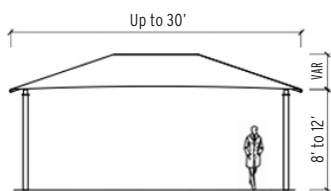


Jill's Pet Resort | New Bern, North Carolina | Desert Sand canopy / Latte Tan frame | 38' x 30' x 8' eave height

PET BOARDING

DOUBLE CANTILEVER

Available in sizes up to 38'x 30'



CANTILEVERS ARE PERFECT FOR:

- Bleachers
- Skate Parks
- Dugouts
- Shuffleboard
- Pool Areas
- Seating Areas
- Picnic Areas
- Tennis Courts



BLEACHERS

Palm City Park | Martin County Parks & Recreation • Palm City, Florida | Forest Green canopy / Jet Black frame | 28' x 30' x 12' eave height

T-Cantilevers



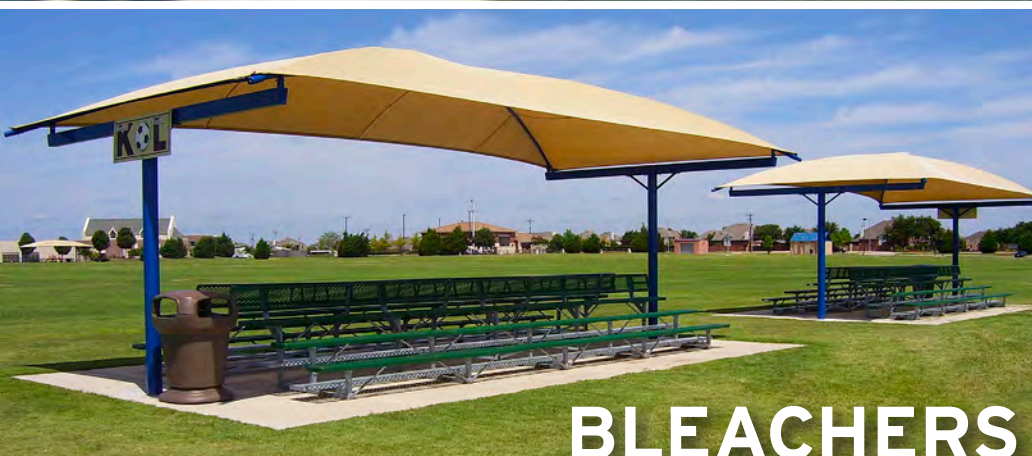
SPORTS SHADE

Tyger Park | City of Spartanburg, South Carolina | Canary Yellow canopy / Jet Black frame | 15' x 30' x 12' eave height



TENNIS COURTS

Community Park Tennis Center | City of Pompano Beach • Pompano Beach, Florida | Rivergum Green canopy / Evergreen frame | 12' x 25' x 10' eave height



BLEACHERS

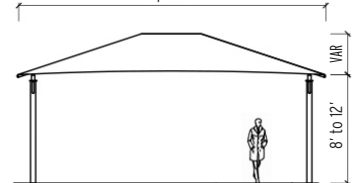
Russell Creek Park | City of Plano • Plano, Texas | Desert Sand canopy / Blue Streak frame | 17' x 35' x 10' eave height

T-CANTILEVER

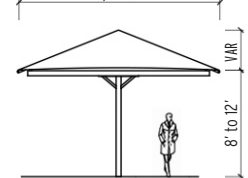
Available in sizes
from 8' x 18' to 17' x 35'



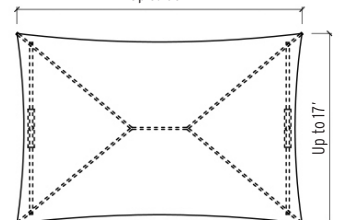
Up to 35'



Up to 17'



Up to 35'



'Sails' – The Sky is the Limit



CAR WASHES

Danny's Car Wash | Ocala, Florida | Custom 'Sails' with Rivergum Green canopies / Coffee Brown columns



Santa Ana Wellness Center | Santa Ana Pueblo, New Mexico | Lime Green canopies / Alpine White columns



Kaiser Permanente | Baldwin Park, CA | Desert Sand canopies / Moss Green columns (optional color)

Available in a virtually unlimited range of custom sizes and shapes



South Pointe Park | City of Miami Beach Parks and Recreation • Miami Beach, Florida | Light Blue & Eggshell White canopies / Alpine White columns



Lock Park | City of Lake Charles Parks & Recreation • Lake Charles, Louisiana | Aquatic Blue & Bright Red canopies / Alpine White columns

Our innovative '**SAILS**' shade designs are a clever way to cover those odd-shaped areas where possible post locations are limited or where a unique aesthetic appearance is desired. Featuring stainless steel connections and hardware for long life, 'Sails' are pre-engineered in an endless variety of imaginative configurations to add visual interest to your play structure's skyline, while protecting children from the sun's dangerous U.V. rays with up to 99% sun screening. They are equally attractive and functional over spectator seating areas, pool decks, picnic courts, outdoor amphitheaters, sports fields, concessions, or any other outdoor gathering area where protection is needed from the sun's harmful U.V. rays.



PLAYGROUNDS

Winner's Circle Park | City of Flowood, Mississippi | Desert Sand and Forest Green canopies / Latte Tan columns

'Sails'

Insist on the Shade Systems Advantages!



Don't settle for this:



Cables are not pre-cut
and must be measured and threaded in the field.

U-Bolts and clamps must be used
to secure cables - movement of metal against metal promotes wear.

Non-stainless steel parts
develop corrosion and can fail.

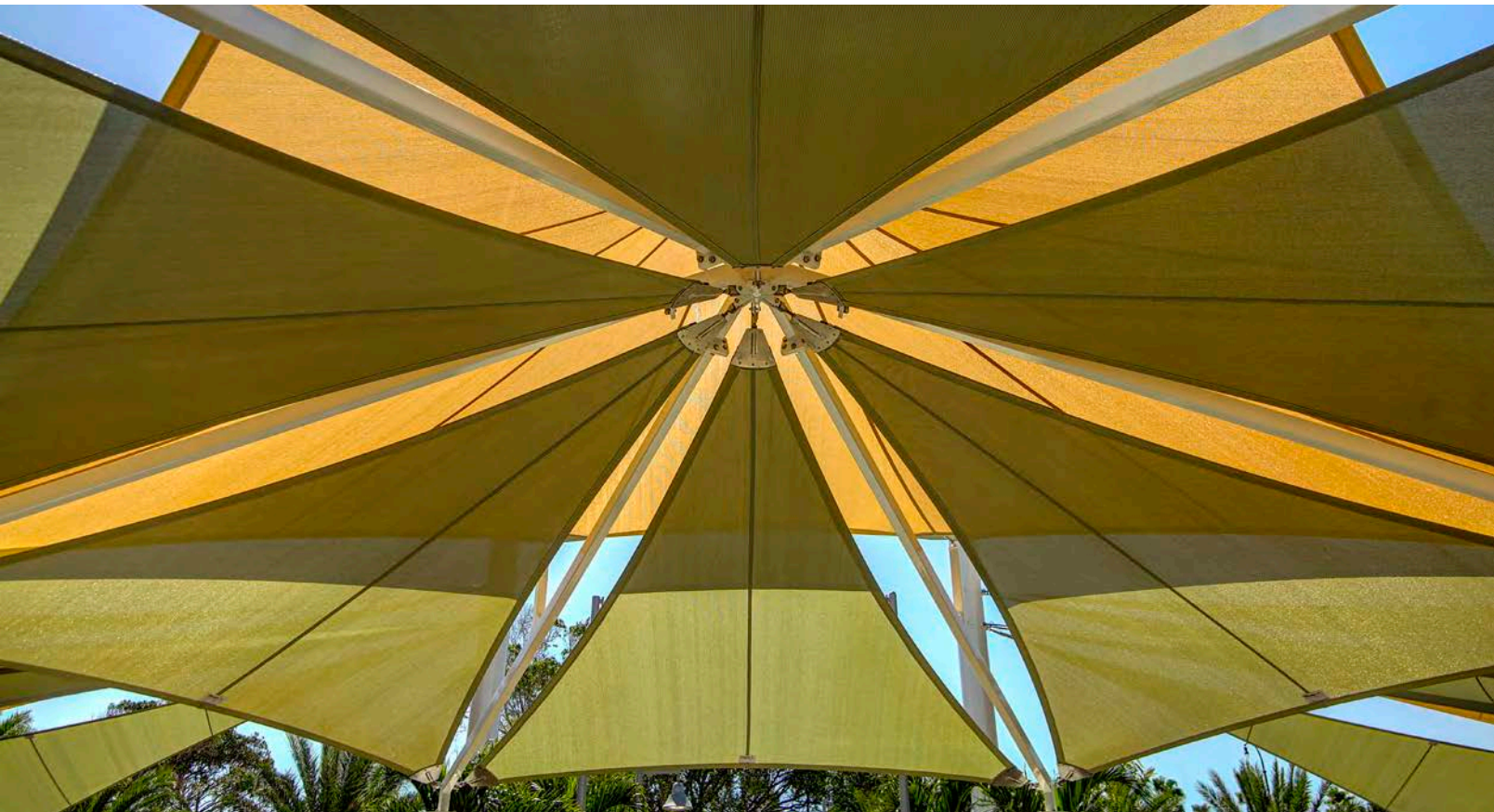


Tangle of cables
makes it difficult to remove sails for storms or winter.



PLAYGROUNDS & SEATING

Sullivan Park | City of Deerfield Beach • Deerfield Beach, Florida | Desert Sand and Rivergum Green canopies / Alpine White frames



'SAILS' ARE PERFECT FOR:

- Playgrounds
- Seating & Concessions
- Pools & Waterparks
- Hotels, Resorts, Restaurants







PLAYGROUNDS & SEATING

Sullivan Park | City of Deerfield Beach • Deerfield Beach, Florida | Desert Sand and Rivergum Green canopies / Alpine White frames

'Sails'

AVAILABLE WITH

NIGHT LIGHTING



Myrtle Beach Boardwalk (all photos on page) | City of Myrtle Beach, South Carolina | Navy Blue, Aquatic Blue, Desert Sand and Eggshell White canopies / Alpine White columns



**BOARDWALKS
& WALKWAYS**



Available in a virtually unlimited range of custom sizes and shapes

SPORTS FIELDS



❖ **Seven Oaks Park** | Columbia, South Carolina |
Light Blue canopies / Jet Black columns



❖ **Brooklyn Bridge Park • Pier 5** | Brooklyn Bridge Park Conservancy •
Brooklyn, NY | Desert Sand canopies

❖ **Bellard Park** | City of Lake Charles Parks & Recreation • Lake Charles, Louisiana |
Bright Red & Canary Yellow canopies / Alpine White columns

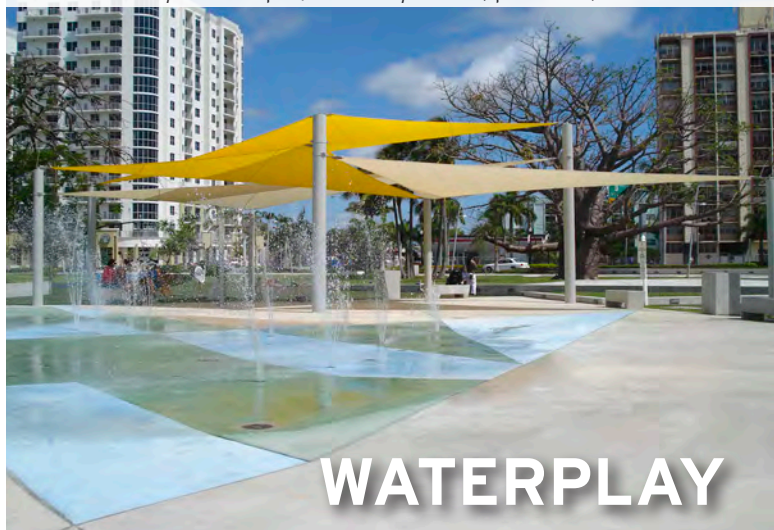


PLAYGROUNDS



POOLS

❖ **Arts Park** | City of Hollywood, Florida | Eggshell White and
Canary Yellow canopies / Custom Grey columns (optional color)



WATERPLAY

Multi-Level 'Sails'



STAGE / AMPHITHEATER

Reilly Arts Center | Ocala Symphony Orchestra Inc. • Ocala, Florida | Silver Grey and Navy Blue canopies / Jet Black frame



PLAYGROUNDS

Council Road Baptist Church | Bethany, Oklahoma | Forest Green and Desert Sand canopies / Coffee Brown frame



SEATING & CONCESSIONS

Mill Creek Elementary School (above and right) | St. John's County School District • St. Augustine, Florida | Desert Sand and Eggshell White canopies / Custom 'Burnt Red' frame (optional color)



MULTI-LEVEL 'SAILS' go beyond even our normal 'Sails' for multiple layers of imaginative sun protection. They still feature stainless steel connections and hardware for long life, but additionally include a powder-coated steel framework to support an intricate arrangement of multiple layers of fabric to visually stun as well as provide cooling shade. Our 'Sails' systems are equally attractive and functional for shade cover over spectator seating areas, picnic courts, outdoor amphitheaters, sports fields, concessions, or any other outdoor gathering area where protection is needed from the sun's harmful U.V. rays for children and adults.

Available in a virtually unlimited range of custom sizes and shapes



Cane Island Recreation Center | Katy, Texas |
Eggshell White and Desert Sand canopies / Latte Tan frame



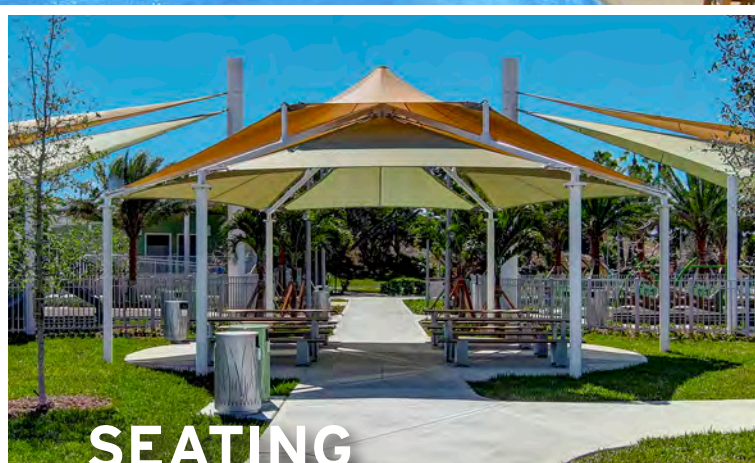
Dove Park (above and below) | City of Grapevine, Texas |
Aquatic Blue and Desert Sand canopies / Jet Black frame

POOLS / WATERPARKS



FITNESS AREAS

North Trail Park | Miami-Dade County Parks • Miami, Florida |
Eggshell White and Desert Sand canopies / Evergreen frame



SEATING

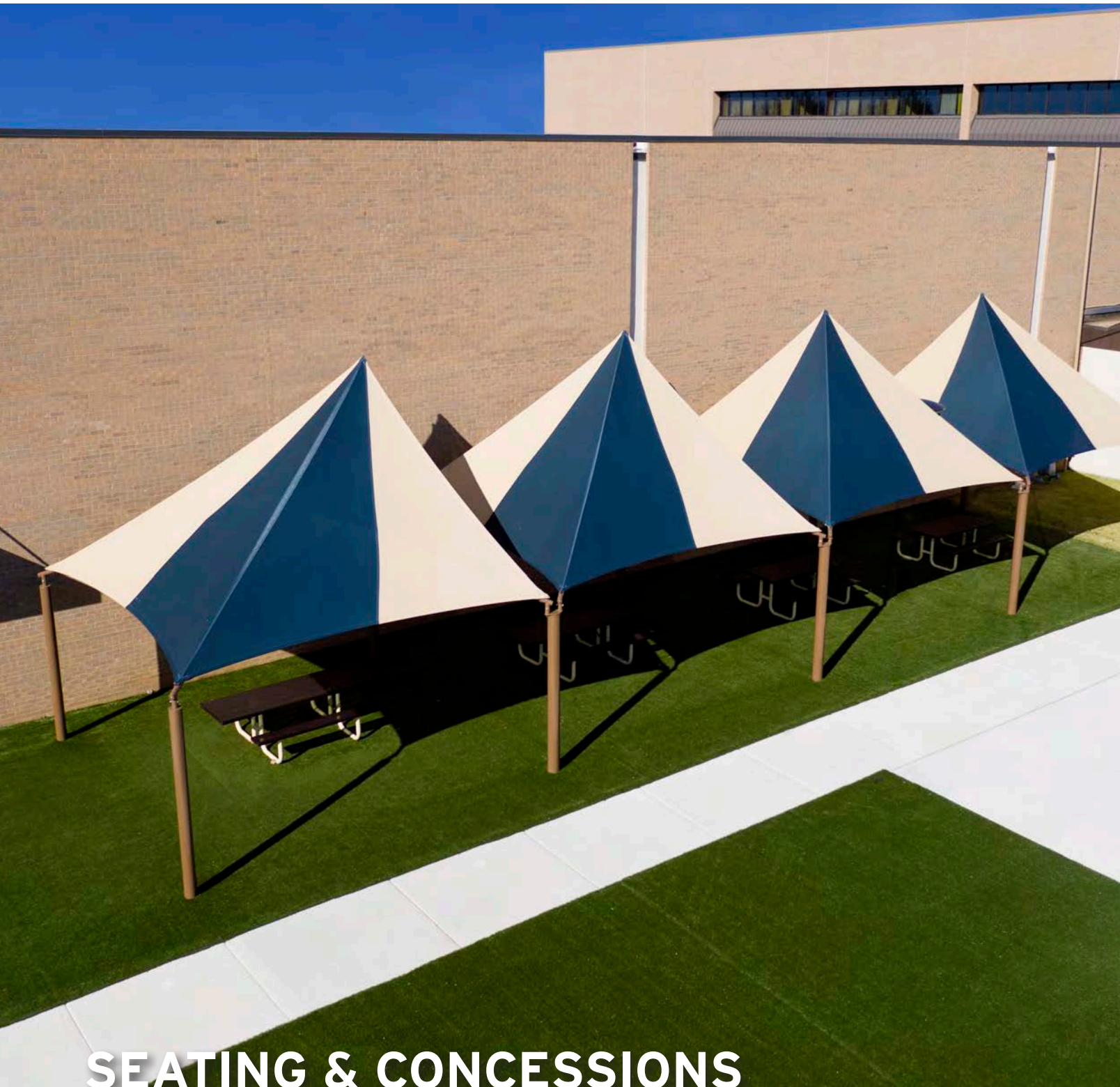
Sullivan Park | City of Deerfield Beach • Deerfield Beach, Florida |
Desert Sand and Rivergum Green canopies / Alpine White frames

MULTI-LEVEL 'SAILS' ARE PERFECT FOR:

- Playgrounds
- Pools & Waterparks
- Fitness Areas
- Stage/Amphitheater
- Seating & Concessions



Shade Kites



SEATING & CONCESSIONS

Council Road Baptist Church | Bethany, Oklahoma | Forest Green and Desert Sand canopies / Coffee Brown frame

SHADE KITES ARE PERFECT FOR:

- Pool areas
- Spraygrounds
- Playgrounds
- Any outdoor area

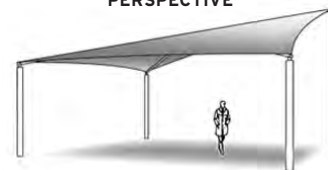


Available in sizes from 15' x 15' to 30' x 30'

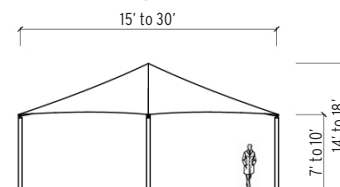


Tamiami Trail Park | Miami, Florida | Light Blue canopy / Alpine White frame | 30' x 30' x 10'/18' eave height

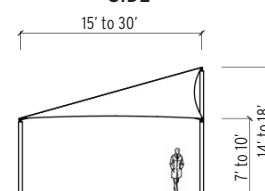
PERSPECTIVE



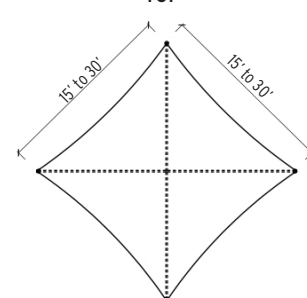
FRONT



SIDE



TOP



Named **'SHADE KITES'** for their soaring sky-bound shapes, these imaginative designs are a clever variation of our popular square frame-supported shades. With one corner post twice the height of the other three, Shade Kites offer the design flexibility of orienting them tilted toward the sun for maximum shading. Typical applications include poolside, by spraygrounds, or over traditional playground equipment. Shade Kites can be purchased as a single, or connected together in groups of two, three, four, or more.

Of course, Shade Kites come standard with our patented Turn-N-Slide™ easy canopy fastening and removal system. No other shade manufacturer offers the unique combination of such a shade system design with the Turn-N-Slide canopy removal and re-attachment feature built right in! Please refer to the Turn-N-Slide details on page 5.

Shade Kites are available in square sizes ranging from 15'x15' to 30'x30'. Post heights vary from 7'/14' to 10'/18'. All other specifications are equivalent to our regular square frame-supported shade systems.



Single Post Pyramid



POOLSIDE
Cranford Pool • Single Post Pyramid | Cranford Pool, New Jersey | optional two-tone Eggshell White & Aquatic Blue canopies / Alpine White frames



Sunset Point Park • Single Post Pyramid | City of Tamarac, Florida | Forest Green canopy / Evergreen frame

SINGLE POST PYRAMID



SINGLE POST PYRAMIDS and **OFFSET SINGLE POST PYRAMID** are cleverly engineered with just one central support post, making them ideal for smaller shaded areas.

All Single Post shade systems feature our remarkable CoolNet™ shade fabric in a variety of colors for maximum air cooling and protection from up to 99% of the sun's dangerous U.V. rays.

OFFSET SINGLE POST PYRAMID



Offset Single Post Pyramid

Single Post Pyramids are available in 7' to 10' eave heights, and sizes ranging from 8'x8' to 20'x20'. And they feature our patented Turn-N-Slide™ easy canopy fastening mechanism built right in, making removal of the canopy for the winter season or in case of severe storm a breeze! Please refer to the Turn-N-Slide details on page 5.



SEATING

Tamarac Commons Park | City of Tamarac, Florida | Desert Sand canopy / Custom Red frame



College of Central Florida | Ocala, Florida | Navy Blue canopy / Jet Black frame

Single Post Umbrella



Aiken YMCA • Single Post Umbrella | Aiken, South Carolina | Bright Red, Canary Yellow, Aquatic Blue canopies / Alpine White frame



North Myrtle Beach Sports Park | North Myrtle Beach, South Carolina | Rivergum Green canopy / Jet Black frame | 30' diameter x 10' eave height

Our **SINGLE POST UMBRELLA** is available in 7' and 8' eave heights, and 16' or 20' diameter sizes. (Note: Turn-N-Slide™ not available with Umbrellas.)

SINGLE AND DOUBLE POSTS ARE PERFECT FOR:

- Playground Seating Areas
- Water Parks/Pool Decks
- Picnic Areas
- Concessions

SINGLE POST UMBRELLA



Double Post Hip

Our **DOUBLE POST HIP** is engineered to provide over 300 square feet of cooling shade with only 2 support posts. Featuring a very clean design, the Double Post Hip is perfect for poolside settings or anywhere people want to relax without worrying about dangerous exposure to the sun's U.V. rays.

DOUBLE POST HIP



City of Des Moines Aquatic Complex • Double Post Hip | Des Moines, Iowa | Bright Red canopy / Alpine White frame | 14' x 22' x 7' eave height



OUR TURN-N-SLIDE™ EASY FASTENING SYSTEM IS BUILT RIGHT IN!



CLEAN UNDERSIDE DESIGN MAXIMIZES AVAILABLE HEADROOM!

Shade Walks



BLEACHERS

Santa Ana Wellness Center | Santa Ana Pueblo, New Mexico | Lime Green canopy / Alpine White frame

Ideal for applications such as walkways, dugouts, or seating, where it is desirable to keep the support posts only to one side of the shade cover, our innovative new **SHADE WALK** designs are engineered to provide maximum shade with the fewest possible post obstructions.

Available in 15 vibrant fabric colors, the remarkable CoolNet™ canopy screens up to 99% of the sun's harmful U.V. rays, and adds architecturally pleasing color to any location. Please refer to page 36 and 37 to see fabric and metal color choices. Note that metal components are available in additional custom colors as well.

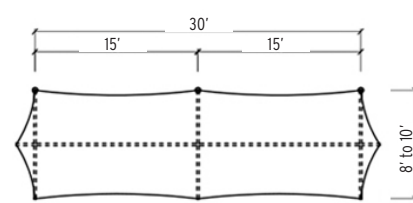
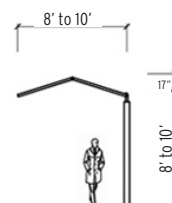
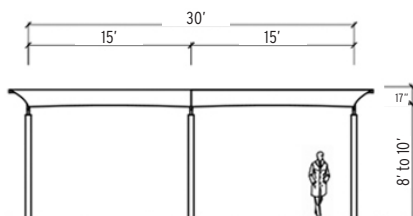
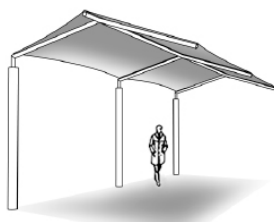
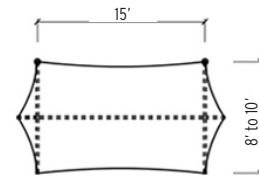
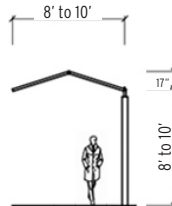
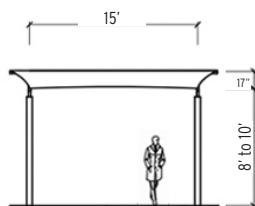
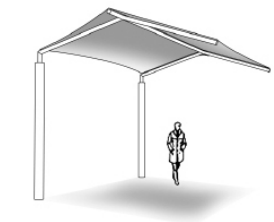


PERSPECTIVE

FRONT

SIDE

TOP

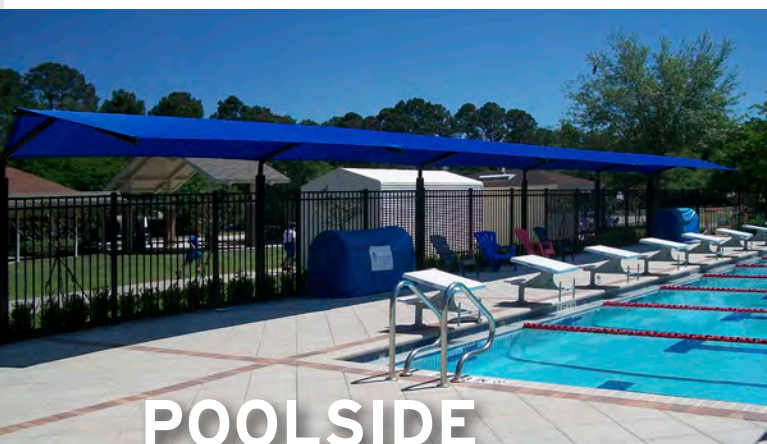




WALKWAYS

Windermere Preparatory School | Windermere, Florida | Aquatic Blue canopy / Custom Red frame

The **SHADE WALK** is available in a variety of heights, lengths, and overhangs, all featuring our patented Turn-N-Slide™ easy canopy fastening system built right in! Whether it is for the winter season or an approaching hurricane, the Turn-N-Slide makes removing and re-attaching your canopy a breeze! Please refer to the Turn-N-Slide details on page 5.



POOLSIDE

Jacksonville Country Day School | Jacksonville, Florida |
Aquatic Blue canopy / Jet Black frame



SEATING & CONCESSIONS

Jacksonville Country Day School | Jacksonville, Florida |
Forest Green canopy / Latte Tan frame

SHADE WALKS ARE PERFECT FOR:

- Pools & Waterparks
- Bleachers and Dugouts
- Tennis and Shuffleboard
- Parking Areas
- Seating & Concessions





Shade Systems Tornadoes® Make Your Site Spectacular!

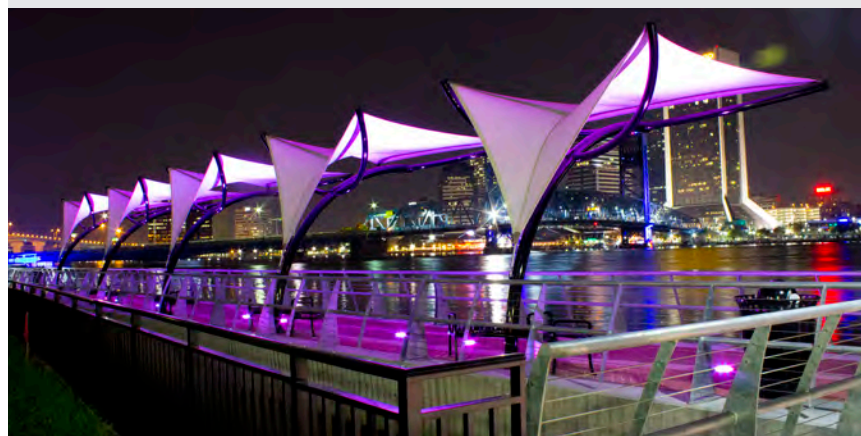
Day & Night

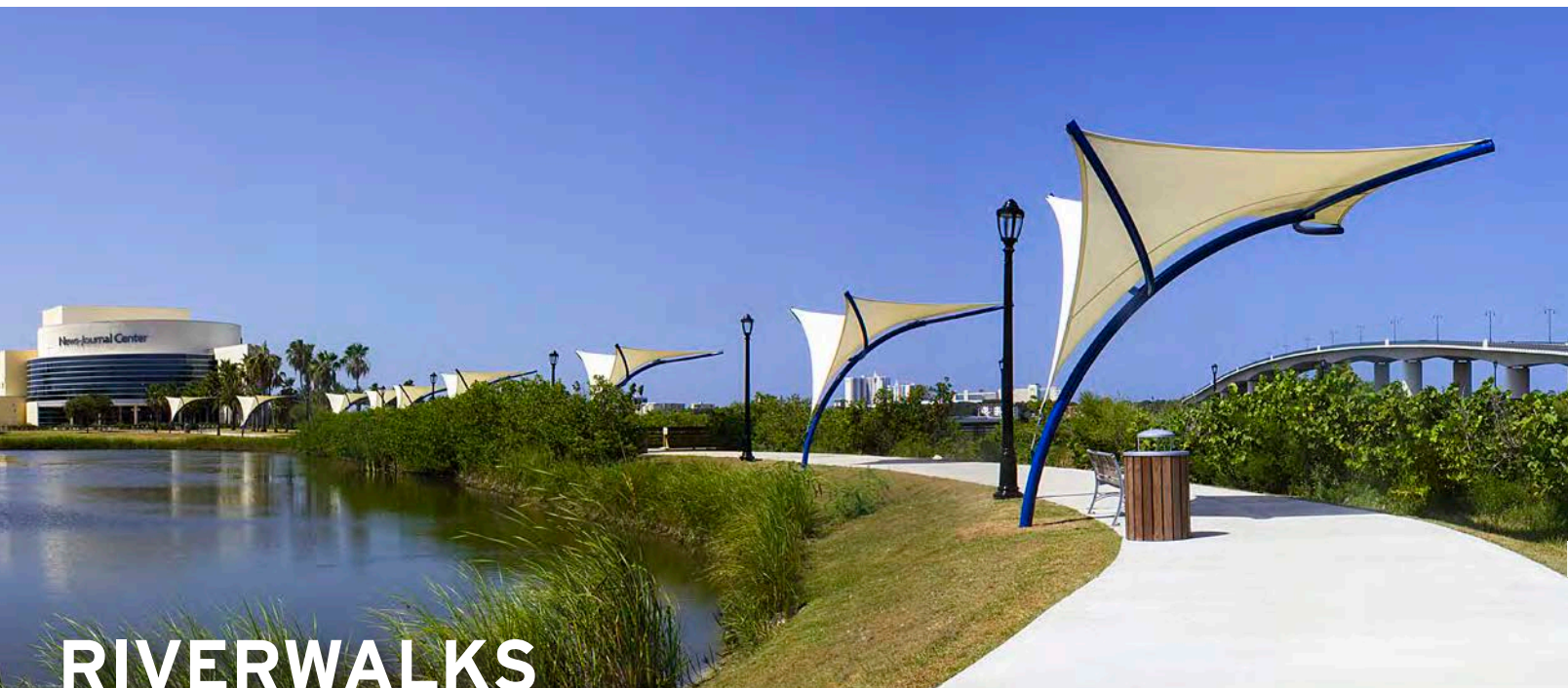




The **TORNADO®** is one of our most stunning shade structures with sculpture-like appeal across a broad spectrum of environments where shade is needed but in an aesthetically-appealing style.

Gracefully arching steel piping arms radiate outward from a curved central support column to create a 5-point tensioned shade canopy which makes a bold architectural statement about its determination to shade stylishly. Available with electrical accommodations for beautiful fabric shade structures with night lighting!





RIVERWALKS

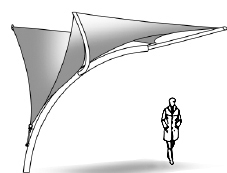
Halifax River Greenway Trail | City of Daytona Beach • Daytona Beach, Florida | Eggshell White canopy / Blue Streak frame

The **TORNADO®** is one of our most stunning shade structures with sculpture-like appeal across a broad spectrum of environments where shade is needed but in an aesthetically-appealing style.

Gracefully arching steel piping arms radiate outward from a curved central support column to create a 5-point tensioned shade canopy which makes a bold architectural statement about its determination to shade stylishly. Available with electrical accommodations for beautiful fabric shade structures with night lighting!

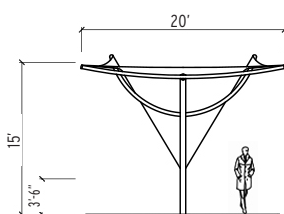


PERSPECTIVE

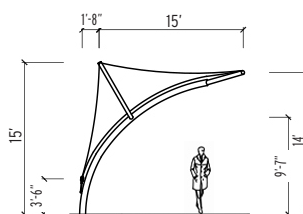


LARGE TORNADO®

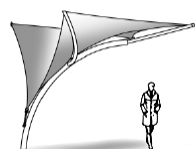
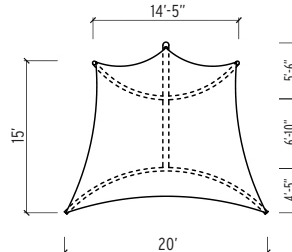
FRONT



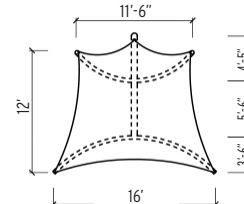
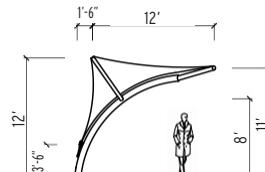
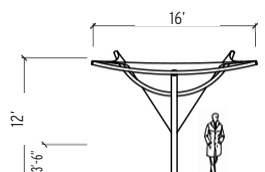
SIDE



TOP



SMALL TORNADO®





Jacksonville Riverwalk | Jacksonville, Florida | Eggshell White canopy / Jet Black frame

RESORTS



Of course, The Tornado® features our remarkable CoolNet™ shade fabric in a variety of colors for maximum air cooling and protection from up to 99% of the sun's dangerous U.V. rays. Plus, removal and re-attachment of the canopy is a breeze with our simple stainless steel fastening features built right in!



AVAILABLE WITH NIGHT LIGHTING

RESTAURANTS

Uno Pizzeria & Grill | Orlando, Florida | Eggshell White canopy / Blue Streak frame

TORNADO® SHADES ARE PERFECT FOR:

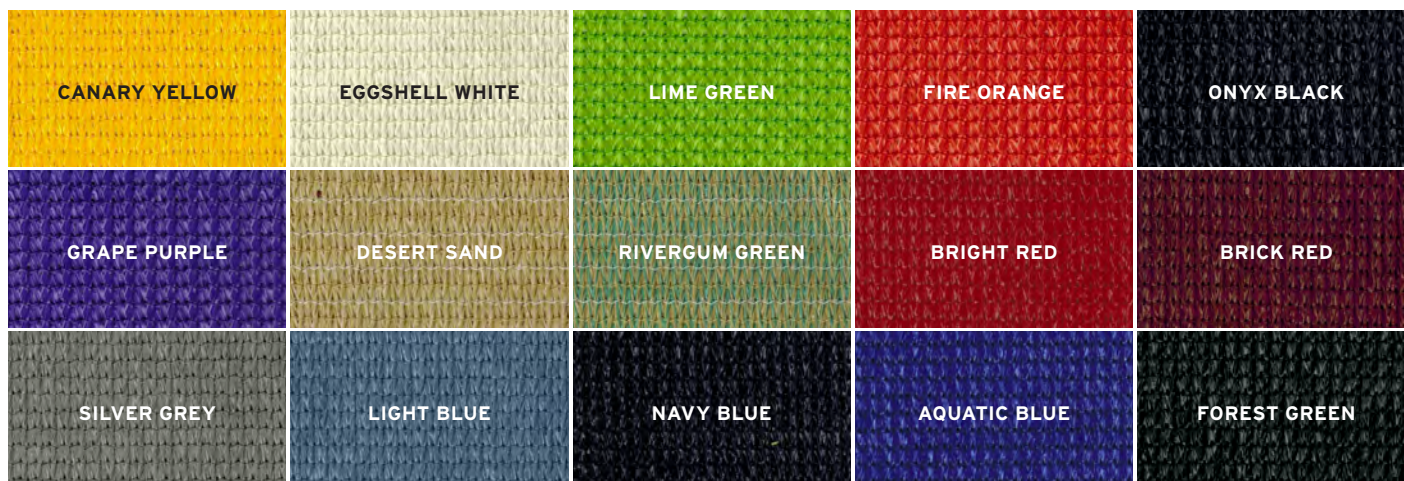
- Seating & Concessions
- Hotel & Resorts
- Restaurants



CoolnetTM Canopy Fabric Colors



COOLNETTM has been specifically developed as a very strong and durable U.V. protection fabric for use with Shade SystemsTM outdoor structures. Our canopy fabrics combine maximum sun protection with strength and durability to ensure maintenance-free exterior performance.



Color	Weight		% Shade Factor (Approx)	% UVR Block (Approx)
	(g/m ²)	(oz./s.f.)		
Canary Yellow	340	1.11	77	93
Eggshell White	340	1.11	79	95
Lime Green	400	1.33	87	94
Fire Orange	400	1.33	82	94
Onyx Black	340	1.11	97	97
Grape Purple	400	1.33	82	90
Desert Sand	340	1.11	84	95
Rivergum Green	340	1.11	86	93
Bright Red	340	1.11	81	91
Brick Red	340	1.11	95	94
Silver Grey	340	1.11	92	97
Light Blue	340	1.11	95	97
Navy Blue	340	1.11	96	99
Aquatic Blue	340	1.11	88	94
Forest Green	340	1.11	96	97

BASE MATERIAL

High-density polyethylene (HDPE), UV-stabilized.

CONSTRUCTION

Monofilament and tape knitted lock stitch construction producing a fabric that will not tear or fray if cut.

WARRANTY

10 year fabric warranty against UV degradation.

Actual canopy fabric and metal colors may vary from representations shown on these pages. Sample canopy fabric swatches and metal color chips are available upon request.

Posts Pads

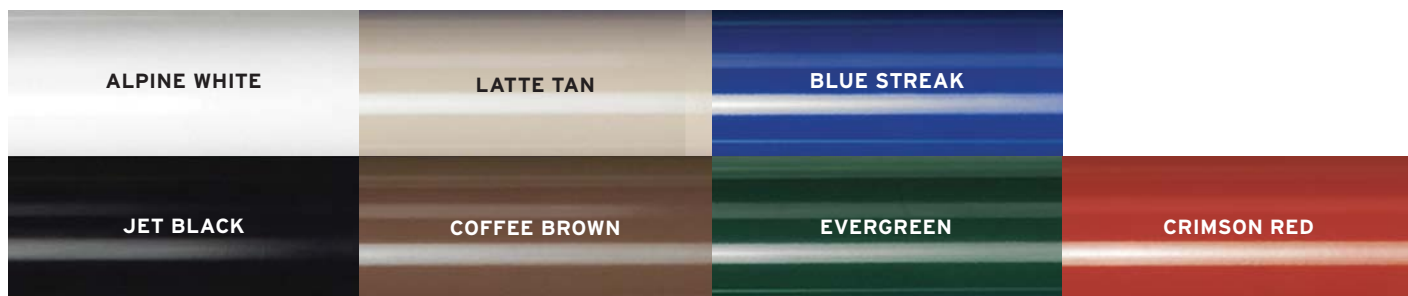


Shade Systems' protective padding is ideal for cushioning accidental bumps by young and old against our steel posts. Available in a variety of colors to match our standard powder-coat colors and sizes to fit all our structural posts, pads consist of exterior grade foam filler encased in high-gloss easy-to-clean flame-retardant vinyl. All pads are 6' high and fastened to posts with heavy-duty all weather plastic zippers.

Model Number	Post Size
P500	5"
P600	6"
P800	8"
P1000	10"



Metal Powder-Coat Colors



All steel tubing components are manufactured with a bright and durable polyester powder-coated finish. Standard powder-coat colors are shown above, with many optional custom colors available upon request.

Actual canopy fabric and metal colors may vary from representations shown on these pages. Sample canopy fabric swatches and metal color chips are available upon request.

Specifications & Warranty



General: Shade Systems™ products are designed and manufactured to the most exacting specifications by skilled craftsmen, and certified by Professional Engineers for structural soundness of designs. All Shade Systems products are shipped knocked-down, with complete assembly instructions, and ready for easy in-field installation.

Material: All materials shall be structurally sound and appropriate for safe use. Product durability shall be ensured by the use of corrosion-resistant metals such as stainless steel, and coatings such as zinc-plating, galvanizing, and powder-coating on steel parts. Fabrics used shall be treated with UV-stabilizers for longevity, and flame retardants for safety.

Weldments: All tubing members are factory-welded by Certified Welders to American Welding Society (AWS) specifications and to the highest standards of quality workmanship. Weldments are finished with a zinc-rich galvanized coating. No field welding is required in the assembly of Shade Systems products.

Posts, Structural Frame Tubing, and Hardware:

All tubing used shall be cold-formed and milled per ASTM A-135 and ASTM A-500. Material testing is in accordance with ASTM E-8. Minimum yield is 40,000 psi with a minimum tensile strength of 45,000 psi on all posts. All tubing shall be pre-cut to appropriate lengths, and all outside surfaces shall be galvanized, with an interior corrosion-resistant zinc-rich coating. Where required, support pipes shall be schedule 40 powder-coated black steel. All fastening hardware shall be stainless steel.

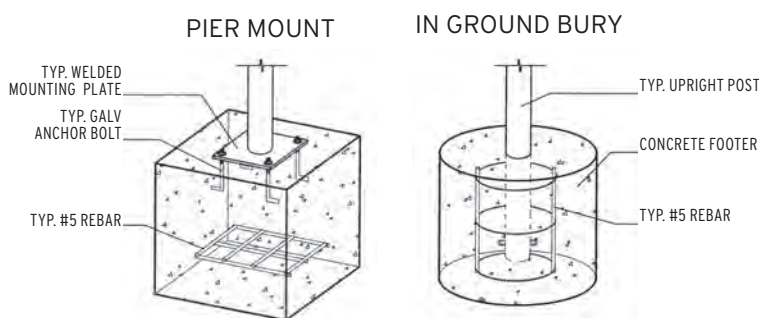
Polyester Powder Coating Process:

Where applicable, all powder-coated parts are completely cleaned and a hot zinc phosphate pretreatment with non-chromic sealer is applied. Powder-coating is then electrostatically applied and oven-cured at 375 to 425 degrees Fahrenheit. Polyester powders shall meet or exceed ASTM standards for Adhesion, Hardness, Impact, Flexibility, Overbake Resistance, and Salt Spray Resistance. Colors shall be specified.

Footing Designs:

Footings shall be designed per stringent International Building Code (IBC) for the specific structure. Columns will be provided as standard direct embedment or optional pier mount (anchoring hardware not supplied by Shade Systems). Other footing methods are available upon request.

*NOTE: Recommended footing dimensions vary by structure size, height, and local soil conditions.
Rebar shown not included.*



Roofing:

Structural frames are designed by Shade Systems for use only with CoolNet™ polyethylene knitted shade fabric canopy. Canopy is attached to frame using vinyl covered minimum 1/4" diameter stainless steel cables, pre-cut to fixed lengths with ends looped at the factory and pre-inserted into canopy hems. A separate cable is provided for each side of the structure for precision tensioning and ease of installation. Cable fasteners are zinc-plated copper for maximum corrosion resistance. Continuous one-piece cables, cables which are not independent per side and pre-looped and clamped at the factory, and/or cables which must be tensioned with the use of turnbuckles, come alongs, or tools not provided by the manufacturer are not acceptable.

Engineering Data:

Structures are engineered to meet or exceed the International Building Code (IBC) and the following specifications:

Wind speed: 150 m.p.h. (Frame only)
90 m.p.h. (Frame w/canopy)
Live Load: None
Snow Load: None

Above reflect standard engineering specifications, with optional higher wind speeds, live loads, and snow loads available upon request.



Turn-N-Slide™ Easy Fastening System:

[U.S. Patent No. 6,814,094]: Each Shade Systems frame-supported product shall include the Turn-N-Slide™ easy fastening system at ALL rafter corners. This device consists of an adjustable sleeve with welded hook and concealed internal tensioning mechanism which makes attachment, removal, and re-attachment of the CoolNet™ fabric canopy fast and easy. In case of inclement weather, winter snow, or other condition which necessitates removal and later re-attachment of the CoolNet fabric canopy, the Turn-N-Slide is used to relax the cables holding the CoolNet fabric canopy in place, facilitating removal and storage of the canopy. When the canopy is re-attached to the Turn-N-Slide hooks via its cables, they are tensioned by turning the concealed fastening mechanism in the rafter. Access to the mechanism is restricted by use of a machined aluminum cap cover secured with stainless steel vandal-resistant hex-pinned hardware. A special vandal-resistant wrench is provided to the customer with each frame-supported product for accessing the Turn-N-Slide as well as an instructional video on DVD.

'Sails' Fastening System:

CoolNet shade fabric shall be delivered complete with fastening system pre-installed. Fastening system to consist of factory-formed stainless steel tensioning plates pre-attached to fabric canopies at each corner, and cables per the above hemmed into the fabric at the factory and terminating in the bracket. Posts shall be equipped with an adjustable 360-degree swivel and pivot attachment mechanism to which the tensioning plate fastens. Tensioning plate includes a stainless steel adjustment bolt which, when turned, tensions the fabric for a taut fit. Fabrics, cables, and brackets which are not pre-assembled at the factory are not acceptable. Cables which attach to posts with u-bolts or 'S' hooks, and which do not use a stainless steel bracketing system similar to the above are not acceptable.

CoolNet™ Shade Fabric:

Knitted of monofilament and tape construction high density polyethylene with Ultra Violet (U.V.) stabilizers and flame retardant. UV-Block Factor varies by standard color offered from 91% to 99.1%.

Flammability:

CoolNet shade fabric is treated with fire retardants, and passes the requirements established under the NFPA 701 Test Method 2 test standards for flammability, including the accelerated water leaching protocol.

Nominal Thickness:	0.057 inches
Fabric Mass:	Min 340 g/m2
Light Fastness:	7-8 (Blue Wool Scale)
Weather Fastness:	4-5 (Grey Scale Test)
Tear Resistance:	Warp 210N / Weft 276N
Breaking Force:	Warp 786N / Weft 2494N
Bursting Pressure:	Mean 3500kPa
Bursting Force:	Mean 2146N

All hems and seams are double row lock stitched using exterior grade UV-stabilized polyethylene GORE™ TENARA® sewing thread (GORE™ and TENARA® are trademarks of W. L. Gore & Associates).

Warranty Information:

Shade Systems, Inc. warrants that the equipment sold will conform in kind and quality to the specifications listed in the Order Acknowledgment and will be free of defects in workmanship or materials. Shade Systems further warrants:

Limited 20 Year Warranty: on all upright posts and support structure frames against failure due to rust-through corrosion.

Limited 10 Year Warranty: on all CoolNet™ fabrics and stitching thread against degradation, cracking or material breakdown resulting from ultra-violet exposure, as well as on Turn-N-Slide fastening device. This warranty excludes failure of fabric or threads due to chemical erosion, and also excludes post pads.

Limited 1 Year Warranty: for failure of any other product or part not covered by one of the above warranties.

All above warranties commence on the date of the Seller's invoice. Please ask for a copy of our complete Limited Warranty for additional details, limitations, and other important warranty information, or go to www.shadesystemsinc.com.

Terms & Conditions:

Pricing: Prices do not include delivery and installation charges and are subject to change without notice.

Terms: To tax supported institutions and those with established credit, Net 30 days from date of invoice, 1.5% per month thereafter; freight charges are prepaid and added to invoice. To all others: payment in advance.

Taxes: Prices shown do not include any applicable taxes.

Delivery: Delivery of products is by common carrier, with truck unloading the responsibility of the customer. Should there be damages or shortages, notify carrier at once and sign the delivery receipt noting the damages or shortages. Should it be necessary, we offer the service of filing freight claims for customers. We will need the original freight bill showing the shortage or damage and the signature of the driver.





See page 14 for more **CANTILEVERS** ☼



See page 24 for more **MULTI-LEVELS** ☼



See page 26 for more **SHADE KITES** ☼



See page 32 for more **TORNADO®** ☼

See page 6 for more **MEGA SPANS** ☼



See page 29 for more **SINGLE POST UMBRELLAS** ☼



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