

# Shade Structure Information

Costs and Options

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# Shade Structure Costs and Options

- **Protect Your Kids**

Shade structures are an essential part of school campuses. Protecting young skin from harmful UV rays is essential. Shade structures reduce the ambient heat in the shade by as much as 20 degrees, which reduces the likelihood and severity of heat exhaustion.



Shade structures also reduce surface temperatures by as much as 40 to 50 degrees. Surface temperatures of plastic and metal can range from 130 to 150 degrees depending on time of year and direct sun exposure, as well as pigmentation/color of the surface area.

# Shade Structure Costs and Options

- **Shade Structure Options**

Many roof options exist for shade structures.

Flat



Curved



Gable



Hip



Pyramid Hip



Hybrid



A steel frame hip shade with a footprint less than 50 feet per span (with the option of multiple spans available) can be customized for whatever creative purposes are desired.

Outside classrooms, grade level rallies, eating areas, playgrounds, bus pickup, etc. are some of the purposes to which shade can best serve schools.

# Shade Structure Costs and Options

- **Materials Prices**

Depending on the ground clearance that is needed, and the overall dimensions or square footage of the canopy, materials prices will range from \$5,000 for the very smallest, cheapest shade, to \$30,000 or more for the best designed and highest quality materials.

- **Labor Cost**

Typical total labor costs can range around 120% of the cost of materials. One manufacturer estimated the typical hip shade structure cost to range from \$15,000 to upwards of \$50,000 depending on how big it is, and the design.



# Shade Structure Costs and Options

- **Are Shade Sails Cheaper Than Steel Frame Shade Options?**

Shade sails offer a certain appeal because of colors and design latitude. Kids and onlookers are edified by numerous colors, configurations, designs and architectural accents.

- **Fabric Sails:**

Fabric tends to fade, fray, tear over its lifetime.

Warranties typically cover 10 years, however, fabric suffers more from vandalism, storms and thrown rocks.

- **Metal structures**

Metal has a much longer life cycle, can cost a little more in materials, but is much more cost effective over the life of the structure and requires less maintenance.



# Shade Structure Costs and Options

- DSA Over-the-Counter Option
  - Certain manufacturers have already submitted their shade structure designs to DSA for approval.
  - Over-the-Counter submittals of DSA-approved shade structures have been known to take 2 to 3 weeks for approval.
  - Less money is needed for architectural services, and more can be devoted to a better design.
- Buildings or structures that require DSA approval should NOT skirt around the DSA approval process. The liability risk is substantial.
- A small shade structure can cost \$20,000.
- A medium structure can cost \$30,000 to \$50,000.
- A large, pavilion-type shade structure with unique artistic style-accent can cost substantially more, but contributes practically and aesthetically to a better, more utilitarian experience.

# One of Many Possible Shade Structure Locations

