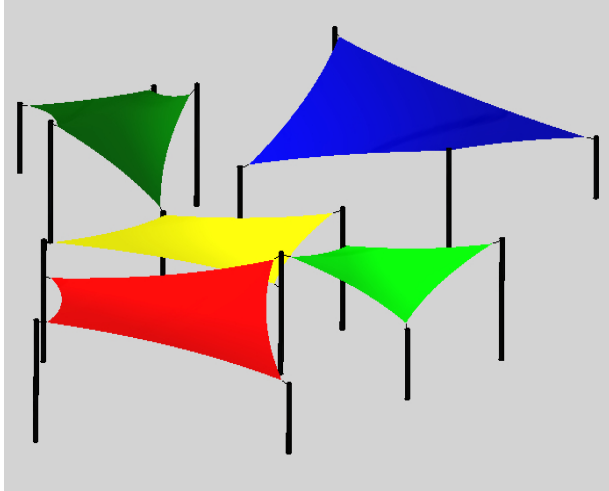


Incorporating Shade Sails and Tensioned Fabric Structures into your Landscape or Building Plan



Shade Sails are a unique and beautiful way to create shade and a sense of space in your landscape.

What you need to know

- ◆ **Shade sails have unique structural design requirements.**
Consultation with a fabricator should be included in the initial design process and before any site work is begun.
- ◆ **The bulk of the shade sail system is hidden in the walls or underground.**

Due to tension and wind uplift load, it is not uncommon to have 3' diameter steel reinforced piers that are 10' to 12' deep, and 8" schedule 80 posts.

- ◆ **Don't build twice! Incorporate the structure into the initial site build out.**

If you want to add the shade sails in phase 2, plan for them in phase 1. Piers and posts require heavy equipment, and any wall or roof attachments will require reinforcement inside the walls.

The Process: *Plan for 4-8 weeks or longer, depending on the job.*

1. **Conceptual Design and Rough Budgeting:** What are you trying to achieve? How and when will this space be used? What is the budget you have to work with?
2. **Engineering:** Creating the desired look requires having the right support structure in place. Inadequate support will cause loose fabric and/or premature failure. Most commercial installations will require engineering.
3. **Final Pricing:** This can only be determined once the engineering analysis is complete.
4. **Metal Work:** Most jobs will require some amount of custom metal work.
5. **Site Work:** Install all support structures on site – piers, steel columns, internal wall reinforcements, padeyes, etc...
6. **Measure:** Final measurement for the fabric pieces happens as soon as all structural support is in place.
7. **Shade Sail Fabrication.**
8. **Shade Sail Installation**