

**Tropical J's** exterior Rope and Pulley shade screens, are a practical and durable solution to controlling heat transfer into buildings while providing privacy and stopping glare and UV in its tracks. Their sturdy construction and tensioning systems also allows them to be utilized as medium to heavy duty wind blocks, depending on fabric choice and attachments. They can be made from a wide variety of solid vinyls, acrylics such as Sunbrella, mesh material, or even clear vinyl. When in use, the systems are fully deployed and tied to set anchor points. When not in use, they roll up out of the way. The shade is controlled by means of control ropes guided by control pulleys that allow you to transfer the control point around your environment. Optional upper or lower valances can hide the system when up or add length to any system.

**Widths:**

2' 0" to 18' 0"

**Drops:**

2' 0" to 12' 0" (12' + drops are available but maximum width must be discussed).

**Header:**

Primed and Painted 2" x 4" board. Comes in white. Custom colors are available for an upcharge or you can provide latex paint.

**Fasteners:**

All attachment fasteners are 316 grade stainless steel.

**Pulleys:**

Marine grade stainless steel Harken pulleys.

**Ropes:**

#8 White double braided nylon rope. Black rope available for an upcharge.

**Hembar:**

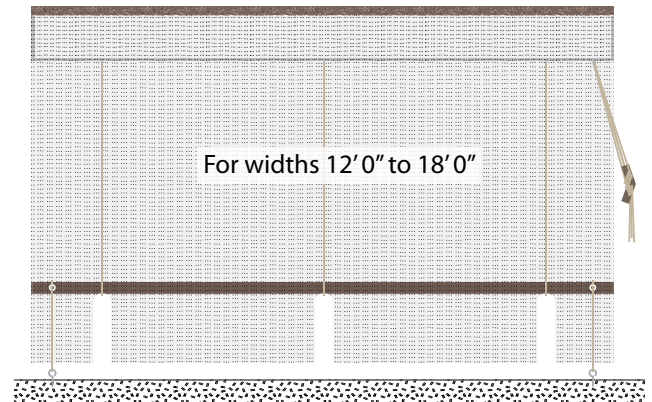
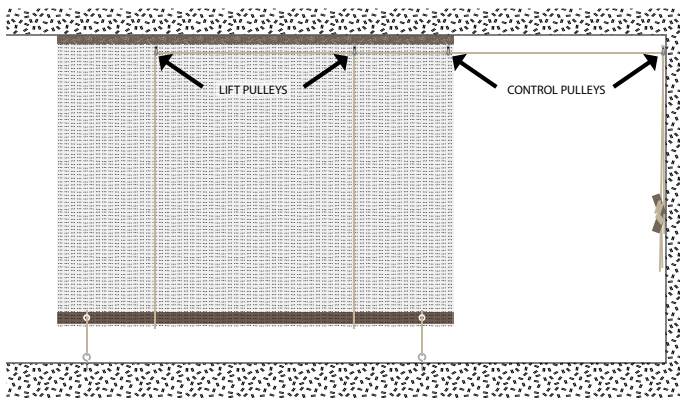
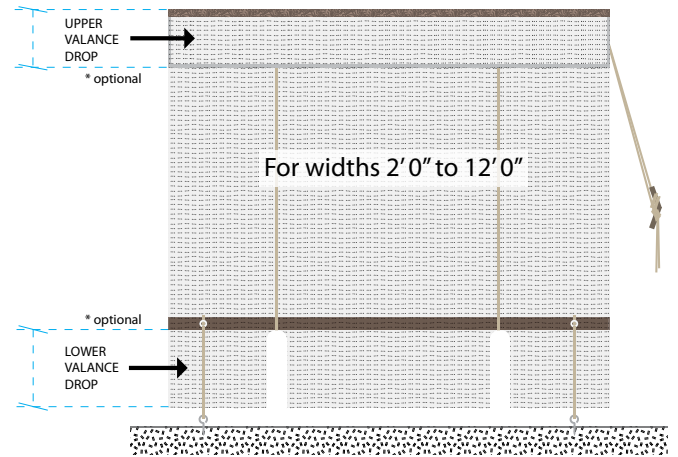
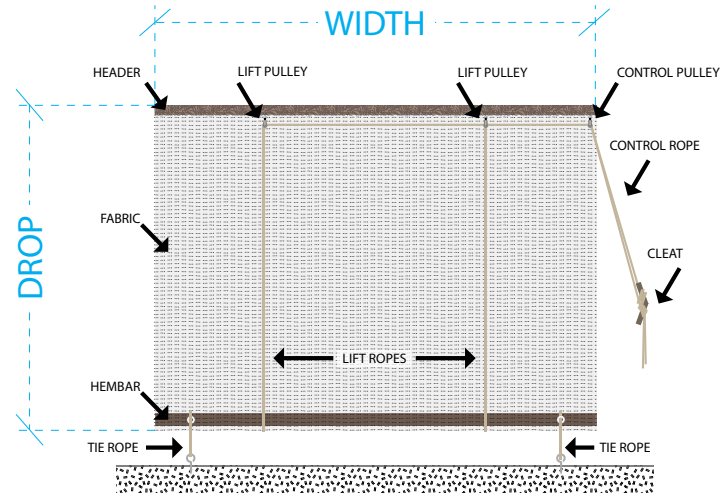
Weighted 2" White PVC pipe with black PVC endcaps.

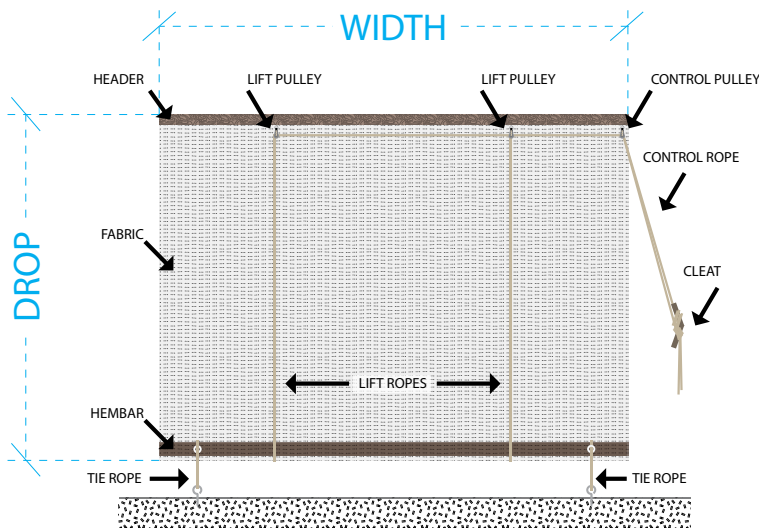
**Cleat:**

6" nickel plated cleats.

**Grommets:**

#2 nickel plated brass grommets.





**System:** The fabric is mounted via an aluminum track onto a piece of wood called the header. The header is attached to the structure. By use of control ropes, you simply roll fabric up and down. The rope passes through stainless steel Harken lift and control pulleys (the same kind used on America's cup competition boats). The pulleys are attached using stainless steel hardware. At the bottom of the fabric shade is a pocket. In this pocket there is a weighted PVC tube with PVC end caps called the hembar. When the control ropes are used it makes the hembar roll up, and the fabric and tie ropes, and possibly a lower valance, roll up neatly. Once raised, the control ropes are tied off onto a cleat. To lower the system, the control ropes are released slowly and the fabric rolls down. Once down the tie ropes are used to anchor the shade so that it doesn't blow in the wind. Good

attachment for the tie ropes is mandatory for the success of the system. We use 3/8" stainless steel eye lags to anchor most systems. Sometimes tie ropes are tied to hand rails, or other elements in the area. We can make tie ropes as long as necessary.

**Allowances:** Allowances refer to how close the fabric can fit into an opening for it to work successfully.

**Top:** Flush mount. On the top of system, the header is mounted to flush so there is no gap.

**Sides:** 1 inch. Between edge of fabric and wall/another rope and pulley system.

**Bottom:** 6 inches. Between bottom of hembar and tie down point.

**Valances:** There are two types of valances, upper and lower. The upper valance hides the system when it is rolled up, and it can be specified anywhere from 6 inches to 2 feet. The lower valance continues coverage *from below the hembar*. Because we need 6 inches to tie off the system, the valance is good way to provide that extra privacy, sun protection, or rain protection from below the bottom of the hembar.

**Fabrics:** These systems can be made out of most any fabrics. Solid fabrics like Sunbrella can provide total privacy, but will also block airflow and your view. Textilene see through meshes will maintain a view and provide airflow, but can also allow rain penetration in heavy winds and rains. Function should determine fabric selection.

For more product information, please visit us online at [www.TROPICALJS.com](http://www.TROPICALJS.com)

