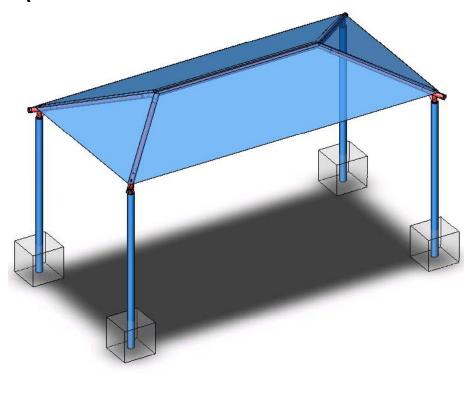
HIP SHADE DESIGN INSTALLATION



RECTANGULAR EMBEDDED RECTANGULAR WITH BASE PLATES SQUARE EMBEDDED SQUARE WITH BASE PLATES



INSTALLATION INTRODUCTION

It is very important that you read this entire manual before beginning the installation process. We are continuously striving to improve our product, and the *Installation Introduction* will Contain the latest up-to-date information.

STORAGE:

When Shade Unit equipment is received at the job site it should be installed as soon as possible (within a few days). We package the equipment components to keep them safe and damage-free during shipment. However, the packaging material is not suited for periods of extended storage in an uncontrolled environments. The combination of moisture in the air mixed with heat generated inside the plastic shrink-wrap may cause damage to the finish of powdercoated frame members.

If an immediate installation is not possible, certain steps should be taken to minimize the risk of damage to the components. If Shade components must be stored, ideally they should be kept in a controlled warehouse or storage container environment away from heat and moisture. If this is not possible, the packaging material should be removed. Care is recommended when using cutting blades to remove packaging. Keep blades away from powdercoated surfaces to avoid damage to finish..

INVENTORY:

It is very important that you inventory all Shade equipment received using the Packing List that shipped with your unit. Review all items for proper quantities and check for any damaged components. Notify the company immediately if any components are missing or damaged at (800) 511-5642

Superior Shade is not responsible for items discovered missing after 72-Hours from time of delivery.

IF YOU NEED TO REPLACE DAMAGED PARTS OR HAVE INSTALLATION QUESTIONS, PLEASE CALL OUR CUSTOMER SERVICE REPRESENTATIVES AT

866-511-5642

SHADE UNIT SITE PREPARATION

Using the provided plan view drawing of your unit, locate the position of all four support columns.

All loose asphalt, concrete and debris must be removed from the entire site prior to installation.

Site must be graded as close to level as possible to aid in unit construction. Special installation considerations must be implemented for sites that are not level.

The customer is responsible for checking local soil and drainage conditions within the site area. Proper drainage around the unit and the support columns is important. Inquire with local contractors in your area for drainage recommendations.

Site must be surveyed for underground hazards such as Electrical Cables, Phone Lines and Gas or Water Pipes. Serious injury or death could result if these hazards are not first located and marked within the site.

Never leave the job site unattended without making sure that all open holes are covered with material such as plywood. Rope off all unfinished construction to keep children away from site until job is complete.





<u>REQUIRED TOOLS</u>

- (A) Safety Glasses
- (B) String Level, Magnetic Level
- (C) Rubber Mallet
- (D) Shovel / Post Hole Digger / Auger
- (E) Tape measure
- (F) Rechargeable Drill / Drill Bit Set
- (G) Socket Set (SAE)
- (H) Adjustable Wrench
- (I) Center Punch
- (J) Two Ladders (10' recommended)
- (K) Duct Tape
- (L) One 2" x 8" x 16" Wood Length
- (M) Multiple Scrap 2" x 4" x 8' Lengths
- (N) 1/2" x 4' x 4' Plywood Sheet
- (O) Wheelbarrow / Loader



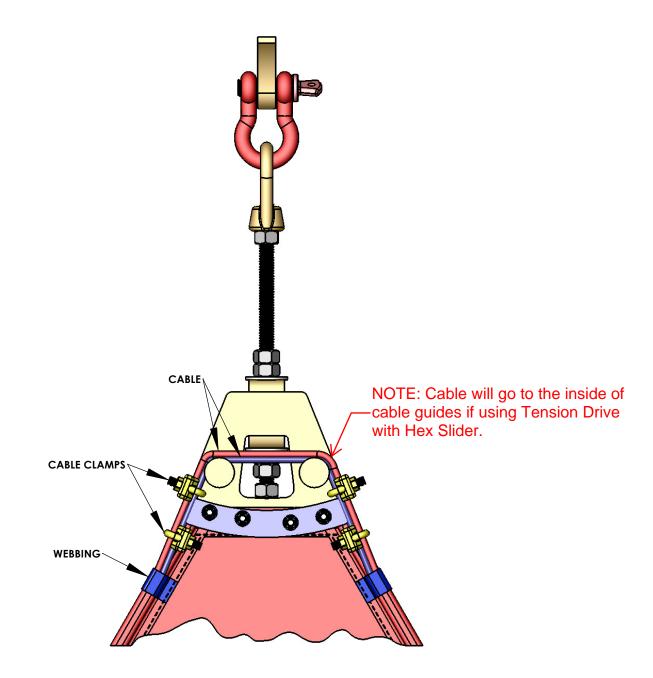




WARNING

CABLE MUST EXIT THROUGH HOLES UNDER WEBBING TO ENSURE SPACING FOR THE FOUR CABLE CLAMPS.

AFTER SECURING CABLE WITH CLAMPS INSERT LOOSE CABLE ENDS BACK INTO FABRIC HEM THORUGH HOLE UNDER WEBBING.

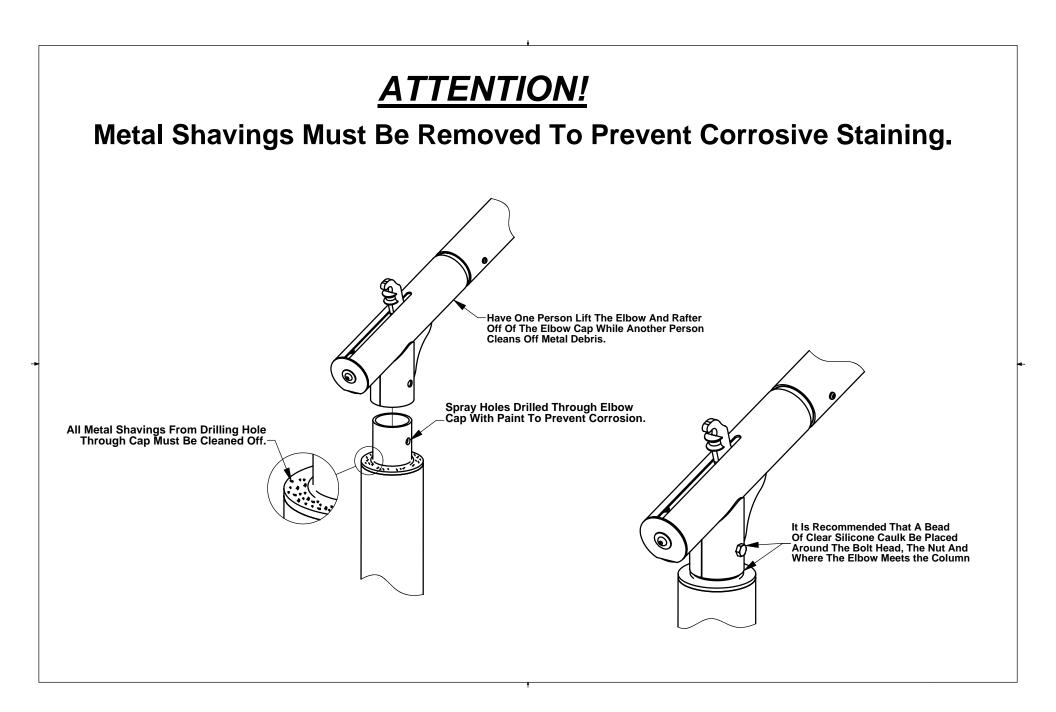


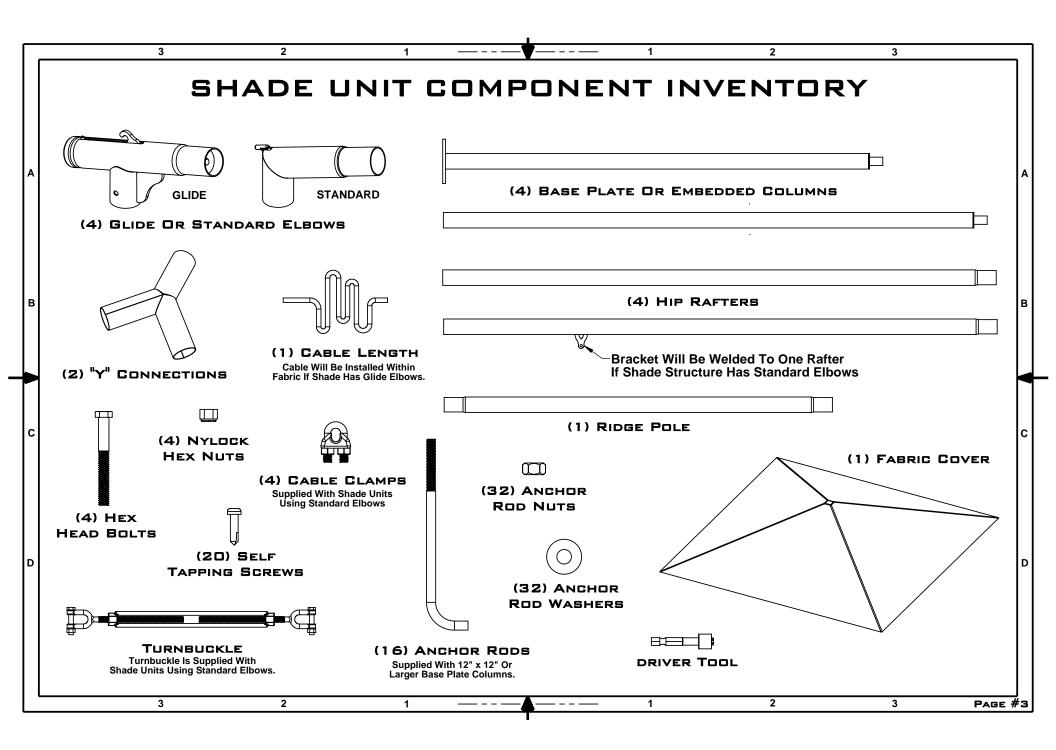


WARNING:

Cables must exit through holes under webbing

to ensure spacing for the <u>FOUR</u> cable clamps.





3	2 1	<u> </u>
STEP #1: Locate and mark the positions Refer to the specific dimension unit provided in this packet.	of the four upright columns.	
 A A Refer to the specific dimension within in this packet. -Place a 3" block in the bottom -Place a column into each hole -Block and brace each column that they are plumb and rema between the columns at the to 	ns provided for your unit of each hole. on top of each block. into position making sure in on centers. The distance	TOP VIEW COLUMN DIAGONAL Q WIDTH COLUMN DIAGONAL Q H COLUMN DIAGONAL Q C C C C C C C C C C C C C
must be correct. -Pour concrete around column three inches below grade leve for 48-hours before proceed	el. Allow concrete to harden	$\mathbf{n} \qquad \mathbf{o} \qquad \mathbf{n} \qquad \mathbf{o} \qquad $
BASE PLATE COLUMNS: -Excavate footings for concret the dimensions specified for to the specific dimensions pr -Cut the plywood sheet into for your base plates. Working from	your shade structure. Refer ovided in this packet. ur squares 2" larger than m the center, mark off the	
C hole pattern that applies to yo Mark the center point of the c -Drill four holes through the pl Make the holes slightly larger	olumn as well. ywood at the outer marks.	$ \begin{array}{c c} & \models 3 1/2" & \phi_1 \\ \hline \phi_{3.5"-5" \text{ COLUMN}} & \phi_{5.5" \text{ COLUMN}} & \phi_{6.6" \text{ COLUMN}} \\ \hline \end{array} $
 -Insert the four anchors throug completely over each anchor four anchors should hang fro -Fill the footer holes with concr -Place one Plywood sheet with footer submersing the anchor Make sure the the center mark centers. -After the concrete has started remove the hardware and plyw -Let concrete harden for 48-hou -Re-thread a nut over each anc Place a washer over each anc column base plate. Adjust the 	gh the holes. Thread a nut on top of the plywood. The m the plywood. ete to 4" below grade. anchors over each s into the concrete. as are on your column to harden you must ood from each footer. urs. hor down to the concrete. hor followed by each nuts under the base plates	Base Plate Plate Concrete Grout Washer & Nut Under Plate 3" TYP. Base Plate Concrete Grout Under Plate 3" TYP. Anchor
to plumb each column. Insert over each anchor tight agains - Apply concrete Grout base be concrete.	t base plate.	Square Width CReinforcement Steel Rod Steel Rod NOTE: A HOLE IS PROVIDED AT THE BASE OF EACH COLUMN FOR ONE #4 ROD SQUARE WIDTH
3	2 1	1 2 3 PAGE #

