



# **Freestanding Shade Structure**

**INSTALLATION INSTRUCTIONS**

# FREESTANDING SHADE STRUCTURE

## PARTS LIST

(25/03/11)

### SECTION "A"

- 4 - Outside Trusses
- 4 - Posts
- 1 - Center Truss
- 2 - Sleeves For The Center Truss
- 2 - Purlins
- 2 - Sleeves for the Purlins
- 8 - Truss Locking 'J' Pins
- 4 - 1/4" x 1-1/4" Bolts with Nut
- 4 - 5/16" x 2" Bolts
- 4 - 5/16" Nuts
- 60 - Tie Wraps
- 1 - Fabric to Fit Structure

### SECTION "B"

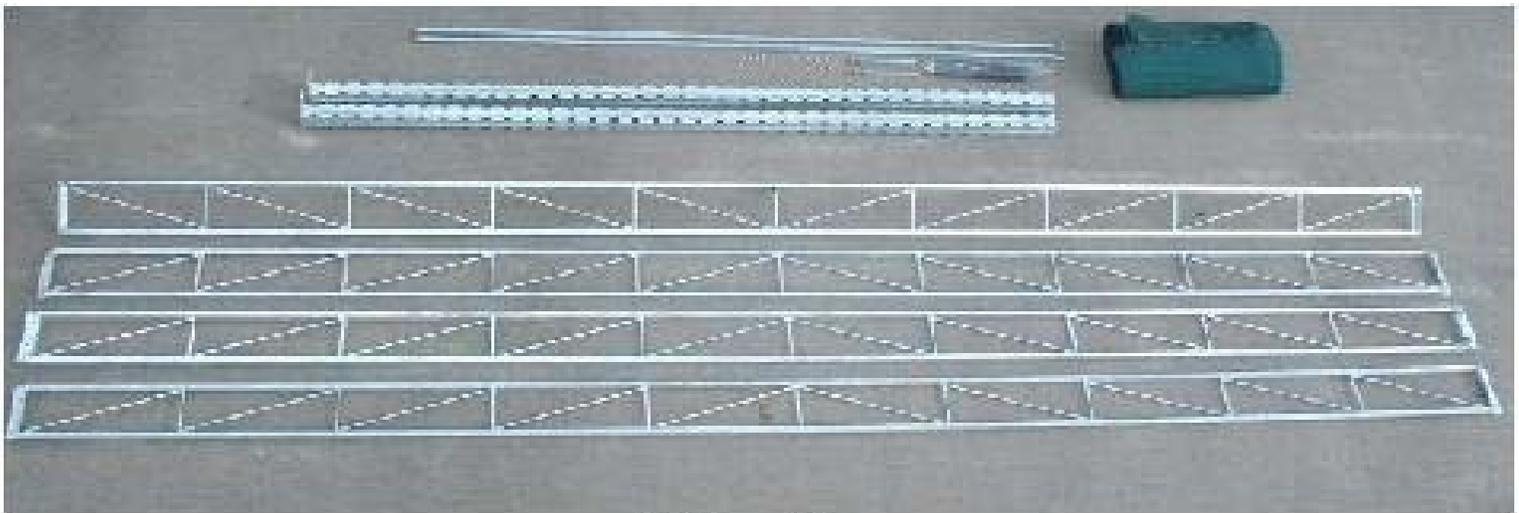
- 3 - Outside Trusses
- 2 - Posts
- 1 - Center Truss
- 2 - Sleeves for the Center Truss
- 2 - Purlins
- 2 - Sleeves for the Purlins
- 6 - Truss Locking 'J' Pins
- 4 - 1/4" x 1-1/4" Bolts with Nuts
- 4 - 5/16" x 2" Bolts
- 4 - 5/16" Nuts
- 60 - Tie Wraps
- 1 - Fabric to Fit Structure

### SECTION "C"

- 2 - Outside Trusses
- 1 - Post
- 1 - Center Truss
- 2 - Sleeves for the Center Truss
- 2 - Purlins
- 2 - Sleeves for the Purlins
- 4 - Truss Locking 'J' Pins
- 4 - 1/4" x 1-1/4" Bolts with Nuts
- 4 - 5/16" x 2" Bolts
- 4 - 5/16" Nuts
- 60 - Tie Wraps
- 1 - Fabric to Fit Structure



"A" Section

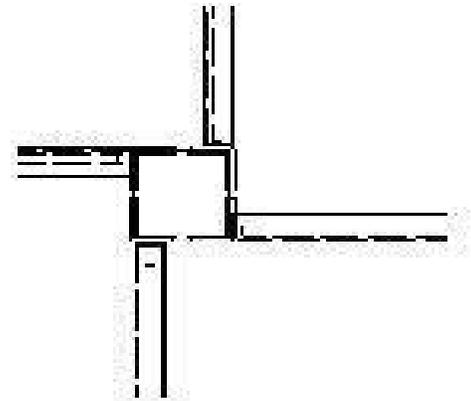
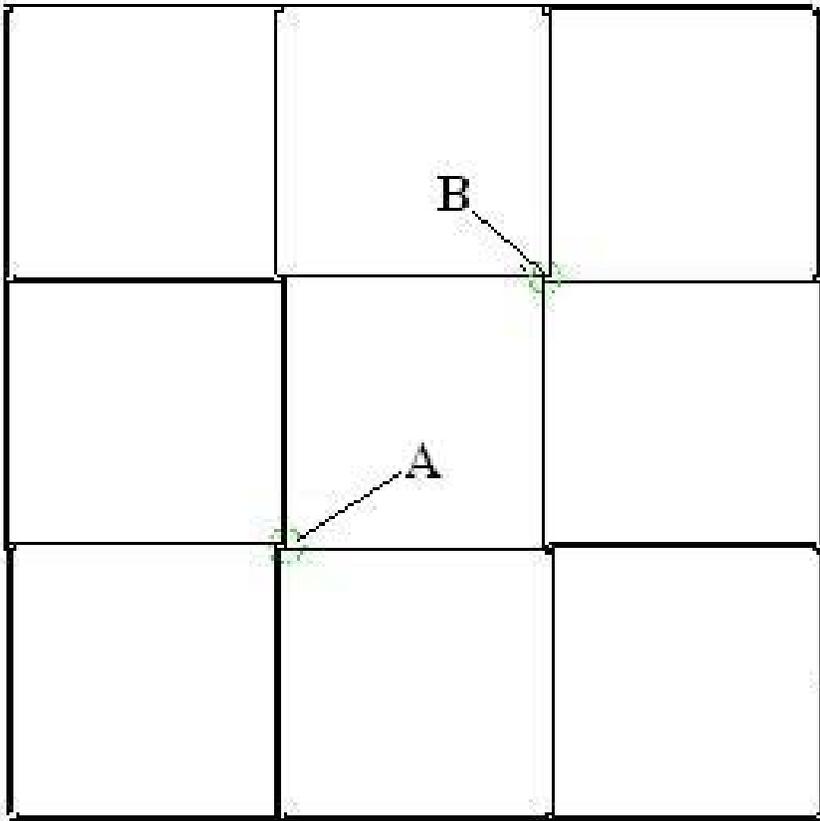


"B" Section

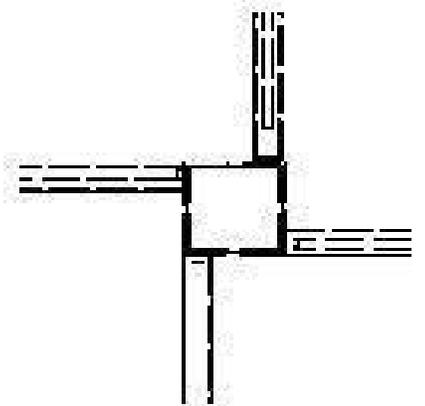


"C" Section

Questions ? - Contact VRE @ 1-800-499-4873  
Or fax @ 1-905-945-9294



**View A**



**View B**

# FREESTANDING SHADE STRUCTURE

## INSTALLATION INSTRUCTIONS

1. Check pack list for items.
2. Prepare layout on desired location. (**Keep in mind that for 4 or more structures, you will have to watch which side of the post you should put the truss on.**)
3. From your order using the VRE part number, determine the type of section. (e.g. One Section “A” and two Section “B” ‘s = 3 section unit).
4. Determine the quantity of parts by viewing contents of Section A, Section B, and Section C. (*See illustration provided*)
5. Layout a post and truss. Insert the truss end into the top of the post and tap in place, to seat the two “truss fingers” into the post slots. (*See diagram #1*)
6. Layout another post at the opposite end of the truss and repeat. (*See diagram #2*)
7. **IMPORTANT:** Insert locking “J” pin through hole in truss endplate and matching hole in post (*See diagram #3*). Tap “J” pin in place (*See diagram #4*). Check that the pin is completely inserted. (*See diagram #5*)
8. Layout the next post and truss and repeat steps 5. (*See diagram #6*)
9. Stand up the completed truss with two posts. (*See diagram #7*)
10. Raise the completed truss and one post and fasten together (*See diagram #8, 9, and 10*). **IMPORTANT:** Insert “J” locking pin, as in Step 7. (*See diagram #11*)
11. Repeat Steps 8 – 10. (*See diagram #'s 12, 13, and 14*)
12. Layout another truss and fasten into the two posts. (*See diagram #'s 15, 16, and 17*) **IMPORTANT:** Insert locking “J” pin, as in Step 7.
13. Continue to layout trusses and posts to your desired configuration. (*See diagram #'s 18, 19, and 20*) **IMPORTANT:** Insert locking “J” pins in **all** connections as in step 7.
14. Ensure that the perimeter posts are on the desired locations. Level the four corner posts. (*See diagram #21*)
15. Check that the length and width measurements of the structure are correct. Then “square” the unit by checking that the measurement, diagonally from post to post, are the same. (*See diagram #22*)
16. Layout one “center” truss, with two inserts per truss in each section. (*See diagram #'s 23, 24, 25, and 26*). Location and direction of the “center” truss is important if they will be utilized to support hanging baskets directly, or hanging basket support tubes, which would run perpendicular to the “center” truss and be supported by the outside trusses. (**NOTE:** *When using these support tubes, always fasten them on both ends to ensure they do not move and possibly fall down.*)
17. Layout 2 purlins with 2 sleeves, per section. (**Note:** *Each purlin has a “U” bracket on one end which hooks on the center of the center truss.*) Insert the sleeves into the other end. Hook it on the outside truss. (*See diagram #'s 27, 28, 29, 30, 31, and 32*)

Cont'd ... ..

## INSTALLATION INSTRUCTIONS WITH BRACING (Cont'd)

18. Ensure that all trusses are straight, then insert ¼" x 1¼" bolt into the sleeve of the purlins and center trusses, and attach with nut to tighten. (**NOTE:** *The tension of the cover will keep the sleeves in.*) (See diagram #'s 33 & 34).  
**Bracing:** (See last page for Bracing diagrams)
  - Install two bracings at each corner post. Put bracing against post to figure out the height for the two "U" brackets, and the piece of angle to be bolted to the post with the 4" bolt.
  - Bolt the bottom of the bracing to the post and use the 1" sq. "U" bolt to attach the top of the bracing to the bottom of the truss. Repeat this at all corners, (*as noted in the drawing attached*).
  - For multiple structures, you will have to brace all center posts with 3 braces.
19. Unroll the shade cover, lift and position it so that it hangs with the grommet edge facing an outside truss. (See diagram #'s 35, 36,, & 37)
20. Pull out a corner and **loosely** install two tywraps. Repeat on all four corners. (See diagram #'s 38 & 39)
21. **Loosely** install a tywrap through the grommet and around the top truss member at the centre on all four sides. (See diagram #40)
22. **Loosely** install a tywrap in each existing grommet. (See diagram #'s 41, 42, & 43)
23. Tighten the 4 corners. In a clockwise direction, begin to **evenly** tighten the tywraps. (See diagram #'s 44 & 45)
24. Repeat these steps for all shade sections.
25. **DO NOT** cut off excess on tywraps until you have **re-checked** your work. Leave a ¾" tail To tighten later, if necessary.
26. The weaving process and coloured material used to manufacture the shade fabric may appear a different shade when viewed from different angles. (See pictures on cover)

### PLEASE NOTE:

- (a) It is recommended that the structure be secured on location to resist wind and weather.
- (b) Cover **MUST** be removed **BEFORE** snowfall, as this unit is not designed for snow-load conditions.

**WE, at VRE, would like to thank you for your purchase of this fine product!!**

## QUESTIONS?

**Call VRE @ (800) 499-4873 or Fax @ (905) 945-9294**

(25/03/11)



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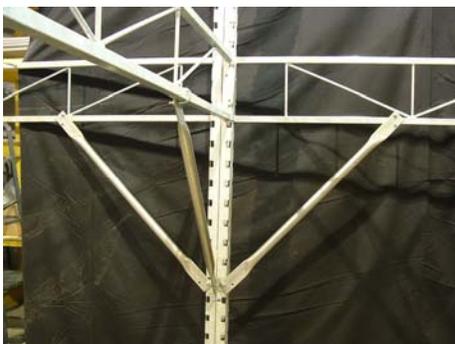


43.JPG



44.JPG

# Bracing



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or

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## Freestanding Shader Structures



46' X 100' SHADER



60'x 60' SHADER



CUSTOM 10' x 60' SHADER



10 BAYS 20' x 20' SHADER



2 BAYS 16'x 16' SHADER



9 BAYS 16' x 16' SHADER

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