



# ***Greenhouse Installation Manual***

VERSION 1.1 JANUARY 2024



Watch  
Installation  
Video

**Scenic Acres Greenhouses**  
270-265-5835 | Elkton KY



# POSTS

## STEP 1

**A.**  
Pound in all four corner posts.

Make sure cross measurements are equal. All post's should be 2 ft 6 in deep into the ground. If you want the greenhouse level, use a transit to pound each corner post until the tops are level with each other.



**B.**  
Pound in side posts.

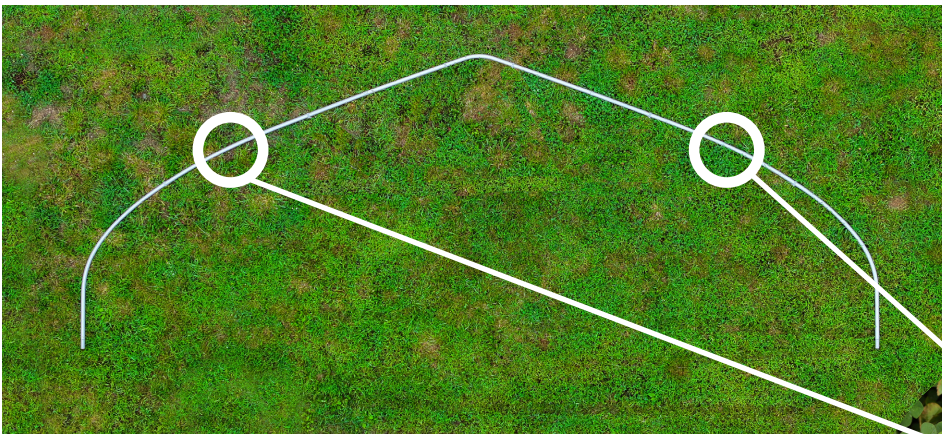
**IMPORTANT!** Set all post accurately, using string top and bottom to line them up, spacing carefully, otherwise greenhouse may zig zag!

Post spacing should be 4ft unless ordered otherwise

## STEP 2

**A.**  
Start with the bow. Lay the pieces on the ground. Then use 2 self drill screws at each joint, keeping the screws on the bottom or on the side, away from the plastic covering.

**B.**  
Keep 2 Bows without bracing for end bows.



SELF DRILLING SCREW

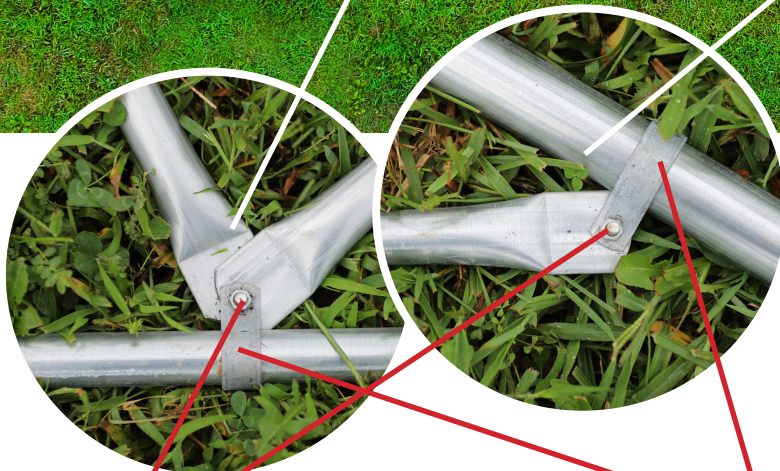




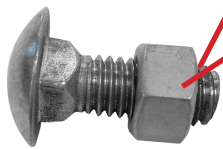
# FRAME

Before adding bracing, peg the bow to the ground in the position shown. Sides should be straight, not bending inwards or outwards. Double check for the correct measurement between end pips of the bow. It should be 1 inch less than what posts are set.

Starting with the third truss, every other truss gets the brace system, and every other truss is bow only.



**C.** Add bracing. Mark each frame L & R for left and right. Then set aside all frames the same way to avoid zigzag in the finished greenhouse.



5/16" x 1 1/2" CARRIAGE BOLT



#12x1" RT GALV. SCREW



BRACE BANDS

**NOTE:** These instructions are for 24' Cross Tie

**WEAR GLOVES WHEN HANDLING OR ASSEMBLING FRAMES!**

**IMPORTANT!** Put baseboards on posts before setting bows. (See step 3.)



# BASEBOARDS

**IMPORTANT!**  
Put baseboards on posts before setting bows. (See step 3.)

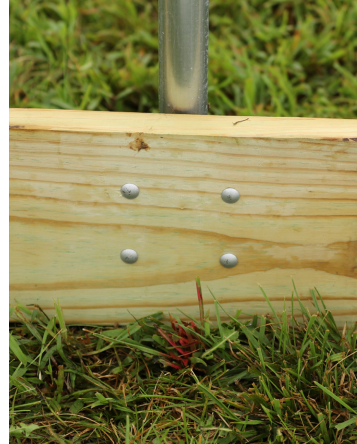
5/16" x 2 1/2"  
CARRIAGE BOLT



## STEP 3

**A.** Clamp baseboards to posts. Have baseboards in ground one inch. When using curtain lock, use 2" x 10" baseboards.

Baseboards can either be joined on a post, or scabbed with a short piece of 2x10 with 3" wood screws.



#14x1"  
SELF DRILLING SCREW



# SET BOWS

## STEP 4

**A.** Fasten Bows to posts. Make sure to use an end bow at each end.

#14x1"  
SELF DRILLING SCREW x2



As shown here every other bow, starting with the third bow, get truss brace system.

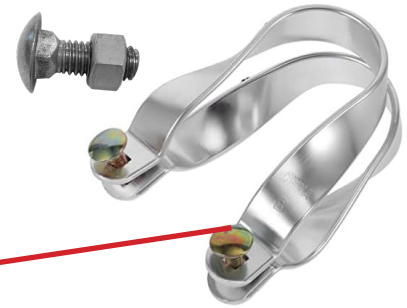
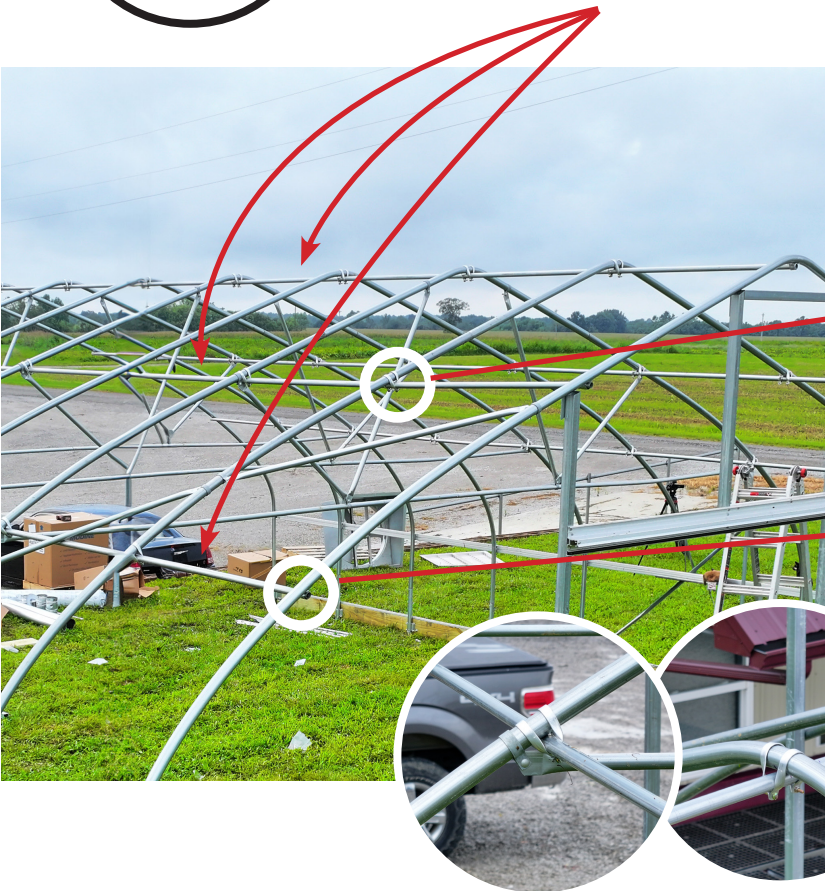




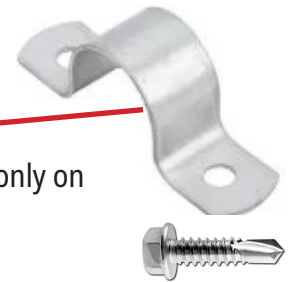
# INSTALL PURLINS

## STEP 5

**A.**  
Install Purlin pipes along full length of structure.



Use these hangers only on the end bow.



Use two #14x1" screws at purlin joints if two pieces are used.

# DOUBLE WIRELOCK

**A.**  
Install double wirelock at height you want your curtain. Snap a line to get it straight. Most people prefer to have curtain just below the bend.

## STEP 6

Attach double wirelock to outside on both sides



Double wirelock at end bow.



Double wirelock at bow

#14x1" (3/8" head)  
SELF DRILLING SCREW



If double wirelock is long enough to splice, either join on bow, using 4 screws, or join using splicer plate with 4 screws.



# WIND BRACES

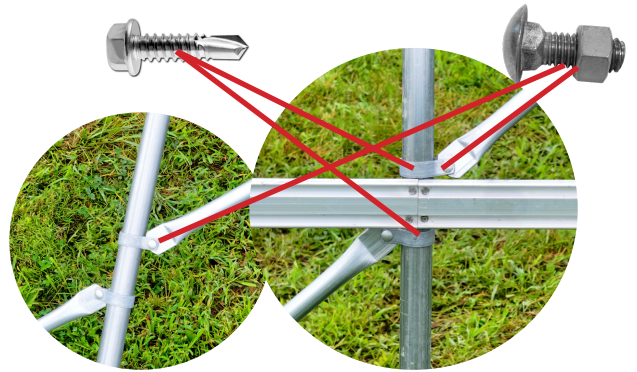
## STEP 7



**A.**

Attach wind braces at each corner, usually 4. If bows are 4 feet apart, you will have 5-foot wind braces, if bows are 6 foot apart, you will have 6-foot braces.

**IMPORTANT!** Count braces before installing. If you have longer posts, your kit may have more braces.



# SINGLE WIRELOCK

## STEP 8

Attach single wirelock to top of end bow.



#14x1"  
SELF DRILLING SCREW  
Every 10 inches



Attach single wirelock starting on top of double wirelock and continue all the way to double on other side.

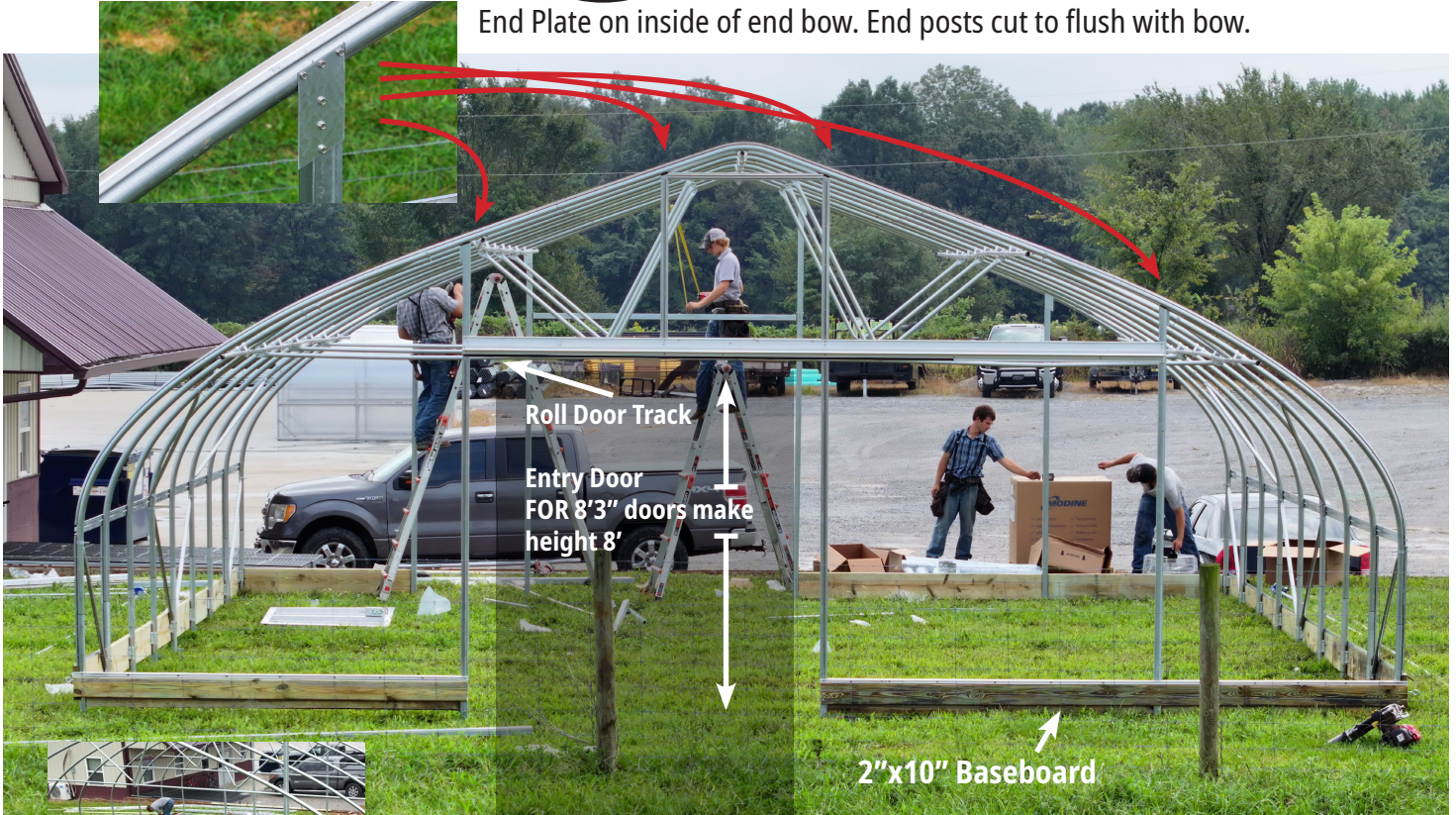




# STEP 9

## STEEL END WALLS

End Plate on inside of end bow. End posts cut to flush with bow.





# ROLL UP

#14x1" (3/8" head)  
SELF DRILLING SCREW

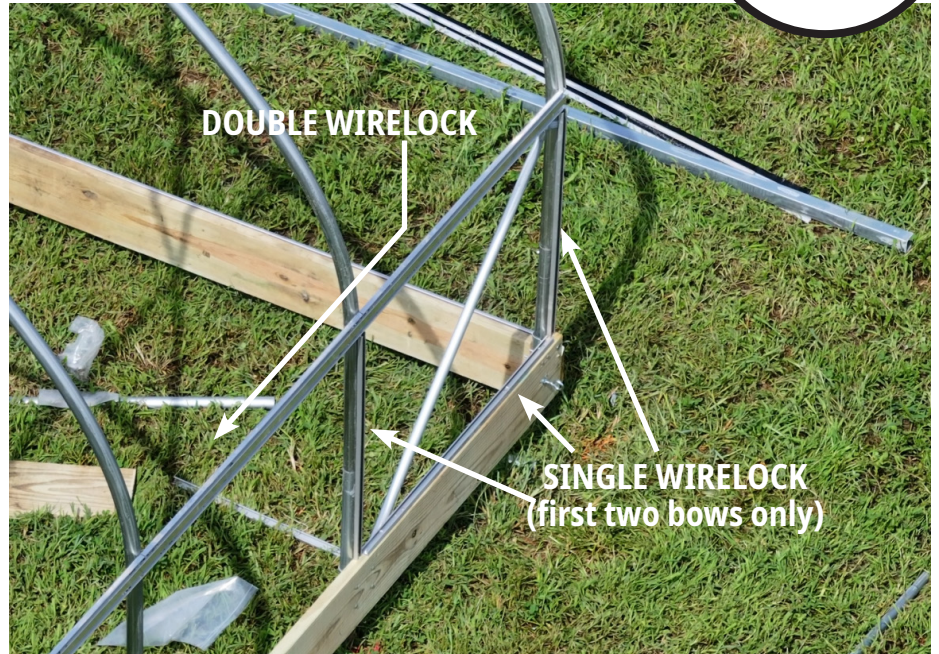


## STEP 10

**A.**  
Attach wirelock to first 2 corner bows  
as shown.

Attach wirelock along baseboard  
between first and second bow as  
shown.

**B.**  
Assemble roll-up pipe using screws.



# ROLL UP CRANK

## STEP 11

**A.**  
Assemble Crank and Guide Pipe.  
Attach Guide pipe to end bow as  
shown.

Bottom of Guide Pipe should not  
touch the ground.





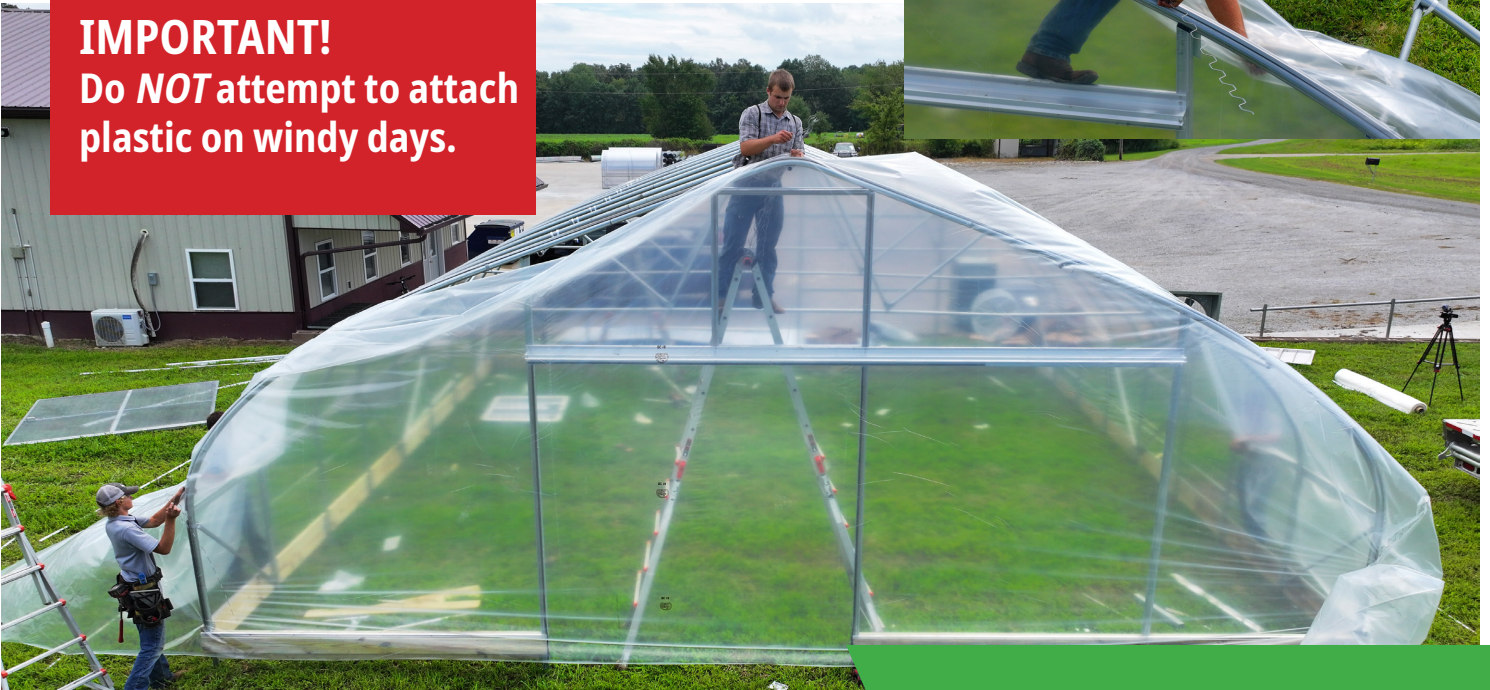
## GABLE END PLASTIC

### STEP 12

**A.**  
Stretch plastic against gable end as shown.

**B.**  
Fasten Plastic to single wirelock. Use 1 wiggle wire in all channels.  
Consider burying bottom of plastic to seal instead of cutting off.

**IMPORTANT!**  
Do *NOT* attempt to attach plastic on windy days.



## CORNER PLASTIC

### STEP 13

**A.**  
Attach corner plastic using leftovers from gable end plastic. Do not over tighten at the bottom.





# POLY CARBONATE ENDS

**A.** Attach Poly Carbonate Sheets. use a treated 2x8 above ground, and a Single H.

**B.** Cut tops of poly carbonate sheets with contour of the end bow.

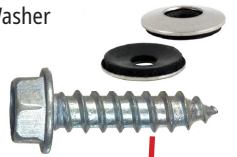
**C.** Fasten End bow wirelock along top of bow and down to baseboard.

#14x1" SELF DRILLING SCREW



Every 10 inches along top in wirelock

#12x1" SELF DRILLING SCREW & 1/8" Aluminum Rubber Washer



**IMPORTANT!** Check writing on Poly Gal to make sure right side is outside for UV protection.



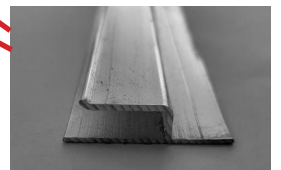
Use Double H between poly carbonate and use Single H to seal all ends of Poly carbonate, along bottom on 2x8 (if using 2x8) and along doors.

Use scraps of Poly Carbonate for smaller areas near peak above door openings.

DOUBLE H



SINGLE H





## STEP 14

**A.** Stretch plastic over greenhouse.

When using 2 layers of plastic, use I.R. Dripless (TES) for bottom layer with writing on plastic turned down. For top layer, use TIV Clear.

**Fold plastic in half with both edges of plastic next to the greenhouse.**



There are several methods to pull plastic across frame. Whatever method you use, you will need multiple people. The longer the greenhouse, the more people needed to pull the plastic across.

1. Have several people climb across the frame of the greenhouse pulling plastic over top. Number of people needed depends on length of greenhouse. Obviously, this only works for first layer of plastic if doing two layers.
2. Alternatively, you can wrap a tennis ball into the edge of the plastic, wrap a rope around it, and throw the rope across greenhouse, to pull from the other side. Again, space tennis balls at intervals along length of the greenhouse, and number of balls needed depends on the length of the greenhouse.

One person should stand underneath plastic, outside the sidewall of the greenhouse, assisting the plastic up over the edge of the framework.

**NOTE: Each wirelock holds up to 4 wiggle wires.**



**B.** Stretch first layer of plastic **VERY TIGHTLY** and snap wiggle wire into wirelock along the sides. Put on wiggle wire at each corner first, in the **DOUBLE** wirelock, either top or bottom channel.

**C.** Finish wiggle wire all the way along the one side, in the double wirelock.

**D.** Finish wiggle wire on the other side, with someone holding plastic **VERY TIGHTLY** 6 feet ahead of person inserting wiggle wire.



**E.** Fasten plastic to end bow last.

**F.** Repeat above steps for second layer of plastic.

If weather is cold, fasten second layer of plastic very tightly as well. Otherwise, just snug it





# ECONOMY ROLL-UP

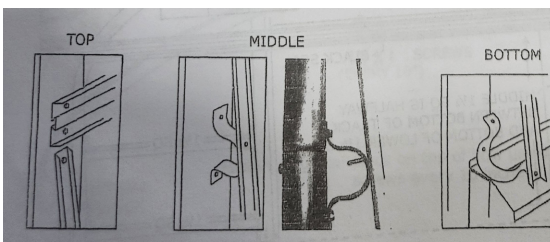
Eye Bolts can be used to shelf roll-up pipe when curtain is down, and also while fastening curtain plastic in step #15.



# CURTAIN LOCK

**A.**  
Fasten Curtain Lock to baseboards. Use 1.5" Wood Screws or Metal Screws.

**B.**  
Attach Single Wirelock, two per corner, on first two bows only. Fasten top of wirelock just under double wirelock on bow itself, and space middle and bottom of wirelock using spacer loops.





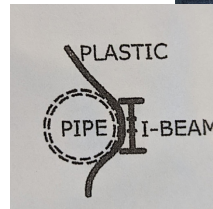
# I-BEAM ROLL UP

## STEP 15

**A.** Attach I-Beam to roll up pipe. Make sure to have 3 screws at pipe joint.

Be sure plastic is pulled down tight with the same tension all the way.

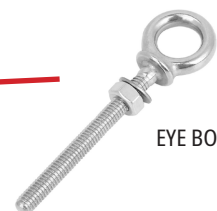
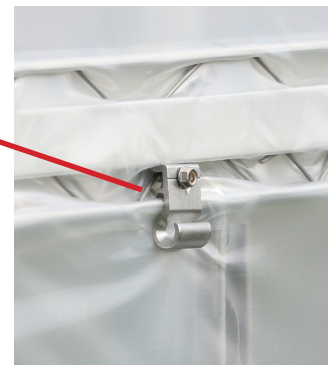
#12x1"  
SELF DRILLING SCREW



## STEP 16

# WIND ROPE

**A.** Attach Eye Bolt at every other bow and rope hooks at every other bow. String Rope, tying to extra rope hooks at each end. Install eye bolt 6" from baseboard down.



EYE BOLT



# Scenic Acres Greenhouses

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# Greenhouse and HighTunnel Manufacturing Custom Builds and Kits







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