

Basic Low Sidewall Greenhouse Installation

!!!! CAUTION: Tube ends may be sharp !!!!

Read directions completely before beginning assembly.



**Growers
Solution**

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Step 1 - Ground Stakes

- Square the corner stakes with each other.
- Drive corner stakes and then drive the rest of the stakes on **4 ft centers**(Fig 1.1).

Note: Use a large bolt and washer, or 2x4 on top of stakes to drive them in.

- The stakes should be approx 24 inches below ground. The section above ground will be the height of your sidewall(Fig 1.2.).

About 3 1/2 ft for low side

Note: Use a string level to keep ground stakes level.

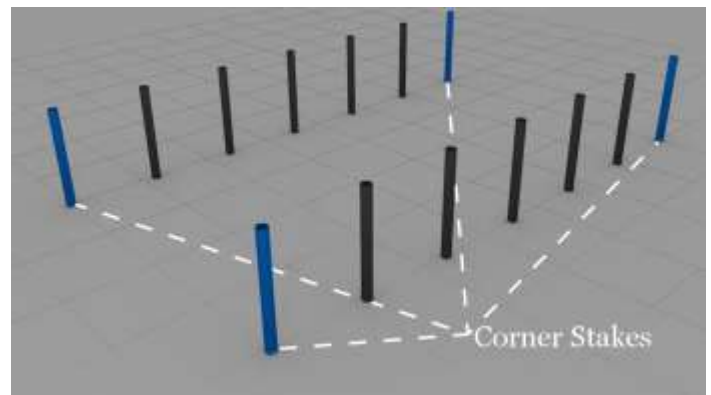


Fig 1.1 Ground Stakes

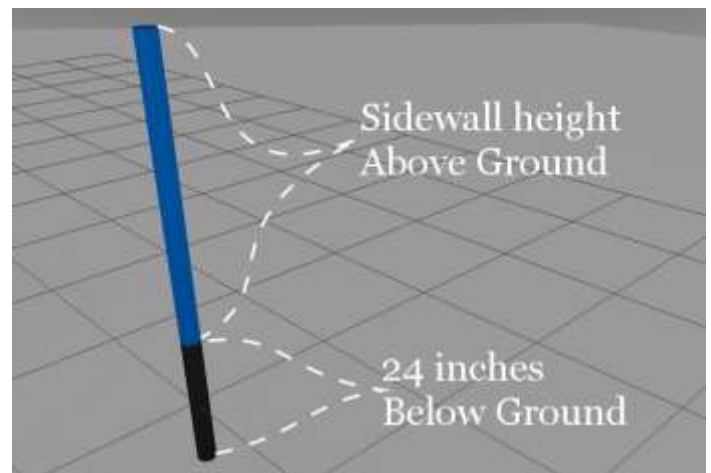


Fig 1.2 Ground Stake Depth

Step 2 - Bow Assembly

- Place bow sections on flat ground(Fig 2.1).
- Slide sections together, and secure at joints with self-tapping screws(provided).

Note: Bows are 2 or 3 pieces depending on your greenhouses' size.

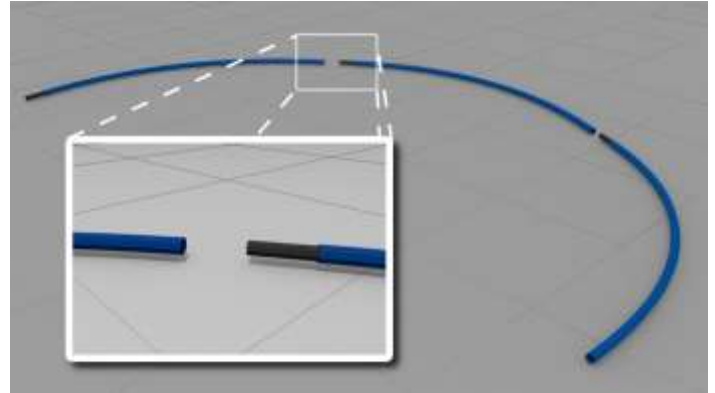


Fig 2.1 Bow Assembly

Step 3 - Bow Installation

- After bows have been assembled, raise upright and place ends in ground stakes(Fig 3.1).

Note: Place swaged(crimped) ends on the same side of the greenhouse. This will keep the bows even, and lined up. This may or may not be needed.

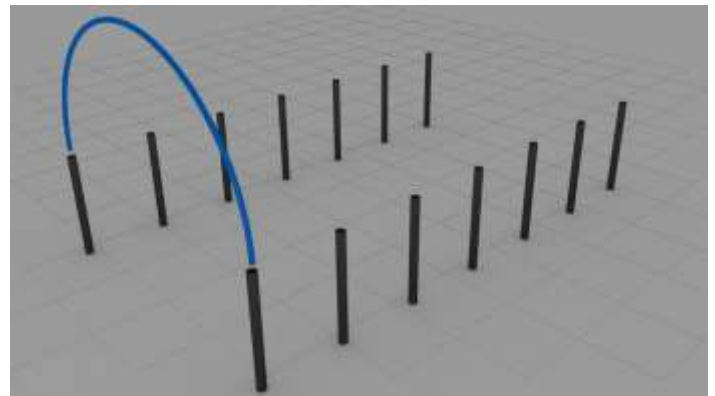


Fig 3.1 Bow Installation

Step 4 - Purlins

- The straight **purlin pipe** sections connect together, and the assembled purlin is attached to the top of the greenhouse using the **purlin clamps**(Pic 4.1). Trim extra pipe off.
- Install self-tapping screws through each purlin clamp for additional security.

Notes: You will also install a purlin at approximately 10 and 2 o'clock for houses **24 ft and wider** (Fig 4.1).

- Wind braces are used on houses **longer than 48 ft.**
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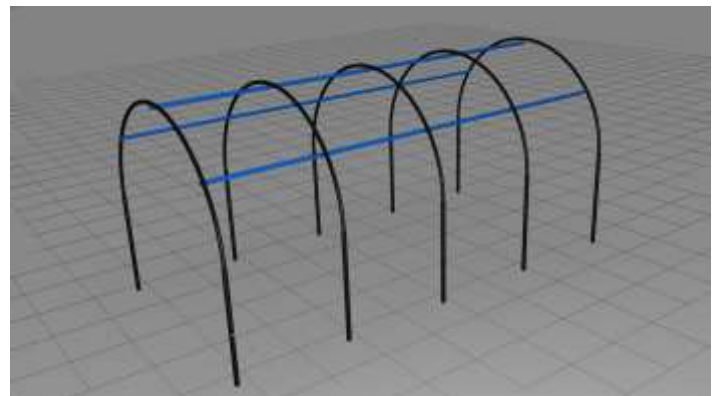


Fig 4.1 Purlins



Pic 4.1 Purlin Clamp

Step 5 Base/Head Boards

- Attach **head boards**(also called hip boards on low sidewall houses) and **base boards** (2 x 6 pressure-treated recommended) on the top and bottom of the sidewall with 6 inch carriage bolts **or** 2-hole pipe straps.

Note: Both fasteners work equally well, it is simply a matter of personal preference(which is why neither is included). You choose.

Note: For carriage bolts: drill through ground stake, bow, and 2 x 6 and install carriage bolt.

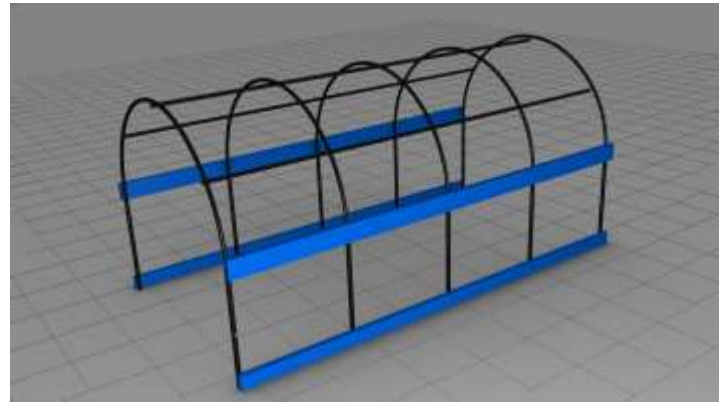


Fig 5.1 Head and Base Boards

Step 6 - End Walls

For best results, we recommend the use of our [End Wall Kits](#).



Fig 6.1 End Wall Kit

Step 7 - Wire Lock

Note: Not all Houses use wirelock. Some use batten tape and staples.

- Attach the Wire Lock **channel** on the top of the first bow and last bow using TEK screws(included) every 18 inches.

- Attach the Wire Lock **channel** on either the **head or base boards**(depending on whether you're using roll-up sides) all the way around the base of the greenhouse in the same manner.

Note: See the [slideshow online](#) for more information.

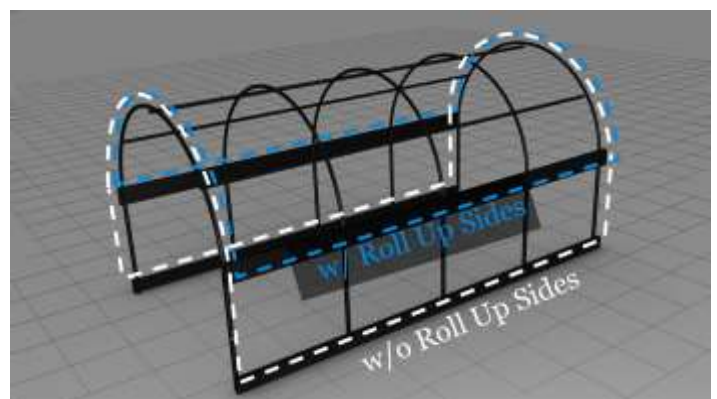


Fig 7.1 Wire Lock Channel Installation

Step 8 - Film Installation

- Pull film over the greenhouse(on a non-windy day!)

Note: Plastic normally has 12” or larger overhang on all sides.

- Lay film over the Wire Lock channel, and fasten the plastic into the channel by placing the wiggle wire into the channel on top of the plastic(Fig 8.1).

Note: Please [watch the video online](#) for more information.

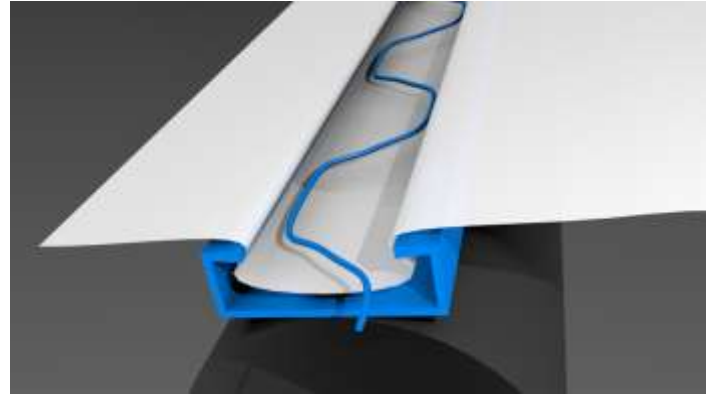


Fig 8.1 Wire Lock / Film Installation

Step 9 - Cable Trusses

Cable Trusses are for High Side houses only. IF you bought separate Trusses please see Truss directions.

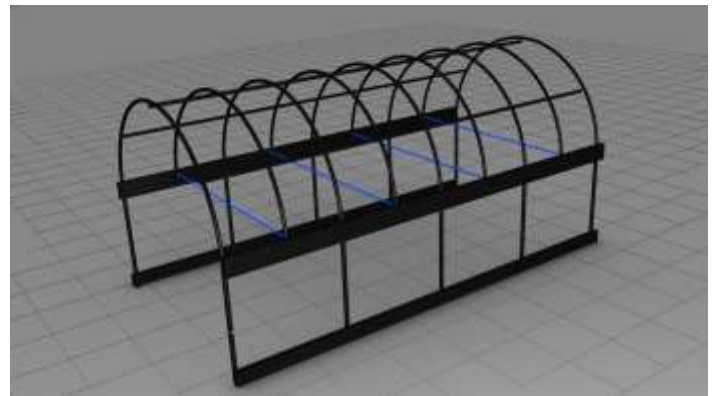


Fig 9.1 Cable Trusses

Have more questions? Take a look at our ever expanding resources at GrowersLearning.com. If that still doesn't answer all your questions, feel free to call us at 931-528-3390