



**GROWER'S**  
SOLUTION

# Quonset Instruction Manual

**Before assembling your  
greenhouse please read all  
instructions, while watching the  
instructional video.**

**This manual includes instructions for ALL add-  
ons that you can purchase with your greenhouse.**

**For additional assistance call 1(866)928-3390**

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# QUONSET GREENHOUSE INSTRUCTIONS

**!!!! CAUTION: Tubing ends may be sharp!!!!**

## Step 1 – Ensure all components are accounted for.

- Lay out all bundles and open all boxes to compare labeled pieces to the packing sheet you received.
- Check for any concealed damage or missing components, please, contact us immediately.

## Step 2 - Squaring Greenhouse

- Begin by choosing fairly level ground, or if needed by, leveling the site in preparation.
- Use the "How to Square your green house" worksheet included to determine the measurement to square your particular greenhouse.
- Set the first two ground stakes by measuring your width outside to outside of the ground stake.
- Use levels to keep ground stake plum when driving.
- When pulling the length and diagonal measurement, set the last two ground stake on the inside of where the two tapes meet. **Figure 2.1**



**Figure 2.1**

## Step 3 - Ground Stakes

- Standard depth of ground stake is **24"**.
- Measure **6"** on the four corner stakes once you have squared them. **Figure 3.1**
- Tie a string to the pipe and run it around the exterior at your marks, ensuring the line is tight.
- Mark the ground every **4'** on center below the line.
- Drive remaining stakes on your **4'** marks, ensure the stakes just touch the string and plum side to side.
- Once all the stakes are driven to depth, mark all stakes at the height of the line and cut off the excess material.
- **Once the ground stakes are set and trimmed it is advised to drill a 1/8th hole near ground level to allow moisture out to avoid the stake splitting.**



**Figure 3.1**



**Figure 4.1**

## Step 4 - Bows

- Place the bow pieces on a relatively flat area. **Figure 4.1**
- Insert the swedged (crimped) end into the saw cut end. Connect at the joint with 2 tek screws; ensure the screws are driven so that they will not snag the film as it goes over the top. **Figure 4.2**
- Stand the bow upright and insert into the ground stake.

**Figure 4.2**



## Step 4 - Bows continued

- **For 2 piece bows ensure the saw-cuts are on the same side.**
- Secure in the ground stake with 2 tek screws.
- Ensure on the first and last bow that the tek screws are underneath the bows, facing the inside of the green house.



Fig 5.1

## Step 5 - Purlin

- **\*\* Houses 20' in width and under have 1 run of purlin\*\***
- **\*\* 24' wide houses get 3 runs of purlin, the additional 2 mounted at 10 and 2 o'clock.\*\***
- Test fit the purlin on the inside of the ground stakes from first to last. Lay flush to the outside of the first ground stake ( not protruding past the end). Mark your purlin at the center of each ground stake. **Fig 5.1**
- Assemble 2 pieces of purlin at a time. Using 2 tek screws per joint.
- Start hanging the purlin by using the 1" two-hole strap to suspend the pipe from first bow. Drive an additional tek screw through the center of the two-hole strap directly to the purlin. **Figure 5.2**
- When installing, align the bow with the reference mark on the purlin. Use the purlin clamps on all interior bows. Drive a tek screw through the clamp to the bow to keep it in place. **Figure 5.3**
- Once the purlin is assembled and suspended, cut any excess pipe flush with the first and last bow.



Figure 5.2



Figure 5.3

## Step 6 - Base Boards

- 2"x6"x16' pressure treated lumber is suggested. (Not included in kit)
- Line the lumber down the exterior of the green house, beginning flush with the first bow.
- Trim where necessary to ensure the ends meet at the ground stake. **Figure 6.1** Cut excess board flush with the last ground-stake. **Figure 6.2**
- Mount timbers with corner bracket to first and last ground stake.

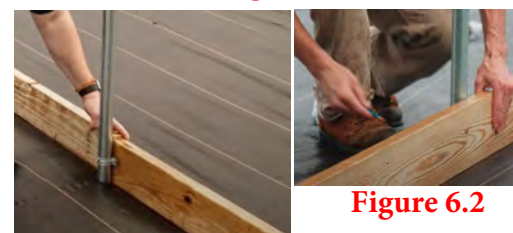


Figure 6.1

Figure 6.2

**Figure 6.3** Use the 1.25" two hole straps to attach to the ground stake for all others. Drive a tek screw through the two hole strap to secure to stake. **Figure 6.4**

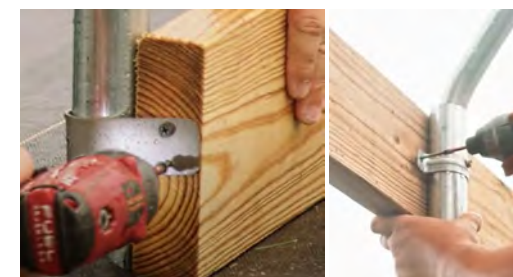


Figure 6.3

Figure 6.4

**\*\* Note: Refer to End Wall Instructions for the end wall base boards.\*\***

## Step 5 - V-Truss

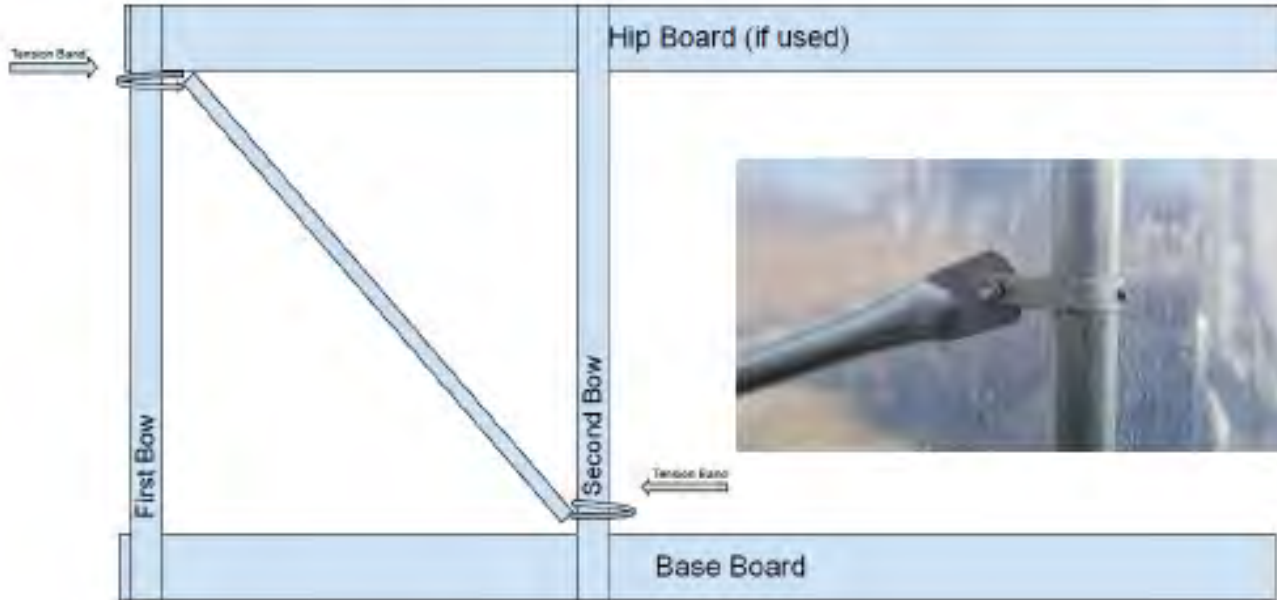
Refer to Assembly Guide attached.

## Step 6 End Walls

- Refer to Endwall Section of this manual.

# WIND BRACING for 40' or Longer Houses

You must install the tension bands on first and last bow prior to installing the wirelock base for your endwall/sidewall pipe. Use a tek screw through the tension band into the bow to keep the tension band from slipping. The tek screw MUST go on the inside of the greenhouse to avoid damaging your film.



## Step 7 – Wire Lock

- Lay your wire base down the length of the house.
- By using either a 1/8" drill bit or tekscrew, pre-drill the aluminum base for the wood screws every 18".
- Start the wire base 1 1/2" in from the end of the board. This leaves room for the base that goes over the first and last bow. **Figure 7.1**
- Mount the top of the base flush with the top of the base board.
- To mount the base to the end bows start by pre-drilling only the sections that attach on the head boards.
- Overlap the base on the head board. Slowly bend the base over the board and secure to the bow and the ground stake with tekscrews every 18". **Figure 7.2**
- Repeat on opposite side so that the base meets in the middle of the bow. You will either trim the excess or cut to fit a piece for the middle of the bow. **Figure 7.3**



**Figure 7.1**



**Figure 7.2**



**Figure 7.3**

## Step 8 – Film Installation

- Be aware of the wind when preparing to install film on your green house. Try to pick a mild weather day.
- Locate the film for the ends of the green house. Next gather 3 pieces of wiggle wire ( you will use these to hold film in place).
- Stretch the film over the bow and attach the film using the wire. You can adjust the film by removing wiggle wire and reinstalling.
- Roll the main film out along the length of the green house. Pull the film across the house and attach on one end. Go to other end and pull tight. You may need to go back and adjust again. Once in place secure with wiggle wire entirely.

**NOTE:** Plastic film normally has a **12"** or larger overhang on all sides.

# QUONSET END WALL INSTRUCTIONS

Your end wall uprights may require trimming for proper fit due to the unknown grade of your land.

**These instructions are for a 36" storm door and rough in for door is 36.5", for any other sized doors**

**adjust your measurements accordingly.**

## 36" Door

- The number of uprights on the size of the house you purchase includes door frame uprights. This is for 36" door opening. (Table A)

8 ft. to 16 ft.	20 ft. to 24 ft.	28 ft. to 32 ft.
2 uprights	4 uprights	6 uprights

Table A

## 8' or 10' Roll up Door

- The number of uprights on the size of the house you purchase includes door frame uprights. This is for 8 or 10 ft. door opening. (Table B)

8 ft. to 16 ft.	20 ft. to 24 ft.	28 ft. to 32 ft.
2 uprights	4 uprights	6 uprights

Table B

## Step 1

- On the front end wall, measure to find the center of the house. (Figure 2.1)

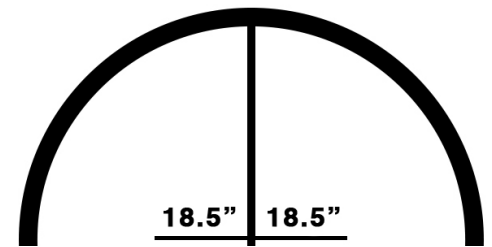


Figure 2.1

## Step 2

- From the center, mark 18.5" to the left and right of that point. This gives you the door frame size. (Fig 2.1)



Figure 3.1

## Step 3

- Drive a 1" ground stake in each of these two points. This is where your storm door will be. (Figure 3.1).

## Step 4 - SKIP THIS STEP IF YOU HAVE A 16FT GREENHOUSE

- From that point if you have another upright measure 48" over and drive another 1" ground stake. (Fig 4.1).



Figure 4.1

## Step 5

- Measure the distance between the base of these ground stakes and peak of the bow where they will be connecting (Fig 5.1).

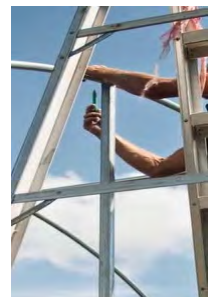


Figure 5.1

## Step 6

- If needed cut your square uprights to meet these measurements. Slide square uprights over the ground stakes with pre-drilled side at the top. (Fig 6.1).

## Step 7

- Attach tension bands over the bow and into the square uprights (Figure 7.1).



Figure 7.1



Figure 6.1

## Step 8

- Insert bolts through tension bands and square upright; (tighten completely after the door is installed). (Fig 8.1)



Figure 8.1

## Step 9

- On the inside of the house place one self-tapping tek screw through the tension band securing it to the bow. (Fig 9.1).



Figure 9.1

## Step 10 - **SKIP THIS STEP IF YOU HAVE A 16FT GREENHOUSE**

- You may install end braces at 60" (Fig 10.1).



Figure 10.1

## Step 11

- Follow previous steps for the second end wall. However, header & upright spacing to accommodate a fan or vent if you choose to install one.



Figure 11.1

## Step 12

- Do not install door header for storm door until door is in place. When using a storm door you will use the frame of the door to seal the end film. (Fig 13.1) Cut the film opening and place a 2"x4" face down in the opening. Pull the cut film towards the inside of the greenhouse. Set the door in the opening and secure with a couple tek screws just to hold it in position. Remove the 2"x4" from under the door and check the operation. If the door opens freely then finish installing tek screws. Install the door header and trim film around the opening.

## Step 13

- Using tek screws, install header with corner braces. (Fig 11.1)

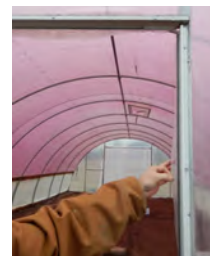


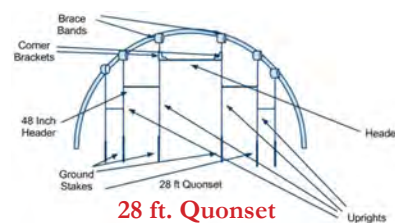
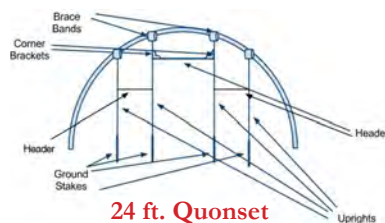
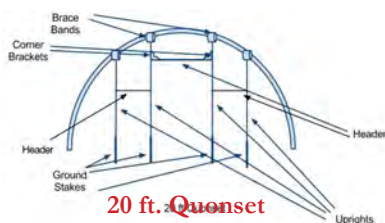
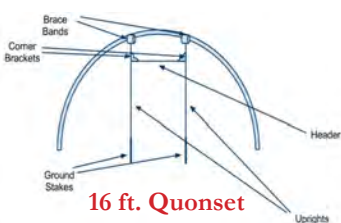
Figure 13.1

## Step 14

- Install baseboards. You should measure from the corner stake to first metal upright. Then cut the board to fit, using the L bracket. (Fig 14.1). Continue to install using same method, measuring in between uprights and cutting to fit.



Figure 14.1



# ROLL UP SIDE INSTRUCTIONS

## Step 1

- After you have the film secured in the wire-lock, take the 1 3/8" bottom pipe that is used to roll the film up on. Slide and secure together ( **Fig 1.1** ) with two tek screws.



Figure 1.1

## Step 2

- Lay pipe on top of bottom board and film, with the film pulled to the inside and attach the bottom pipe clips ( **Fig 2.1** ). Snap them evenly spaced along the pipe making sure that you have the film snug at the base.

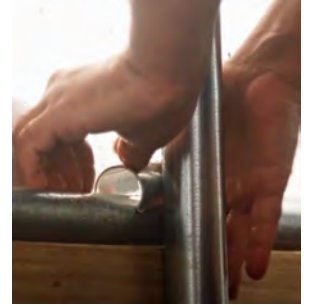


Figure 2.1

## Step 3

- Now take the black strapping and mount to head board and base board at each bow / ground stake ( **Fig 3.4** ). Make sure to pull strapping tightly ( **Fig 3.3** ) from the head board to the base board. Be sure to double fold ends of strapping ( **Fig 3.2** ) where screw goes through . Use the fender washer to reinforce strapping so it will not pull through ( **Fig 3.1** ).  
**NOTE:** Pipe should stick out 1' from end-wall ( **Fig 3.5** ).

**\*\*WHEN ROLL UP SIDES ARE DOWN YOU MUST WIRE THE ENDS SHUT.\*\***



Figure 3.4



Figure 3.3

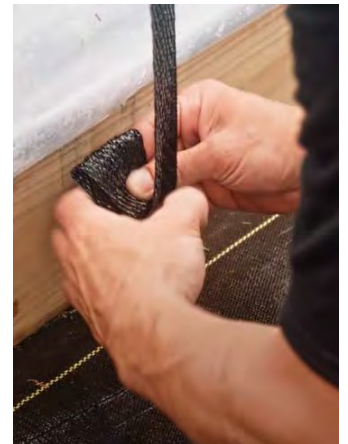


Figure 3.2



Figure 3.1



Fig 3.5



## Step 4

# SPIN HANDLE INSTRUCTIONS

## Step 1

- Slip small sleeve over the bolt. (Fig 1.1)

Figure 1.1



## Step 2

- Slip large sleeve over small sleeve on bolt.

## Step 3

- Insert through pre-drilled hole. Attach nut and tighten. (Fig 3.1)



Figure 3.1



Figure 5.1

## Step 5

- Insert the handles into the end of the roll up pipes with the handles laying towards the center of the greenhouse. Secure with two tek screws. Fig 5.1



Figure 6.1

## Step 6

- To hold up your side use a piece of strapping on each end and loop under the handle and secure to the greenhouse (Fig 6.1).

During cold weather, remember that you will just roll the sidewalls down and the weight of the pipe sitting on top of the bottom board and the strapping will hold the film firmly in place.

# ROLL UP DOOR INSTRUCTIONS

## Step 1

- Make sure the end wall kit (door frame) and greenhouse film are installed properly. Attach wire-lock base around door frame before you pull the greenhouse film. (Fig 1.1)



Figure 1.1

## Step 2

- Attach roll-up door film to the top of door (header/wire-lock) with wiggle wire. (Fig 2.1)



Fig 2.1

## Step 3

- Place the roll-up pipe in the bottom of the door poly. Cut excess film off the bottom in a straight line, leaving 8". Then roll the film up on the pipe so that the film rolls on the pipe to the inside. This will keep water from collecting in door roll Pipe. (Fig 3.1)



Figure 3.1

## Step 4

- Attach the film to the roll up pipe with the snap clamps by spacing equally on pipe. You will have one clamp on each end and in the center.(Fig 4.1)



Figure 4.1

## Step 5

- Assemble the swivel handle. (Fig 5.1)
- Attach the “knuckle” to the 4' extension pole. (Fasten with tek screws) (Fig 5.2)
- Attach the handle to the opposite end of the 4'. handle extension pole. (Fasten with tek screws) (Fig 5.3)
- Slip boot over the “knuckle” and secure with zip ties. (Fig 5.4)
- Attach the swivel handle assembly to the roll-Up pipe. (Fasten with tek screws) (Fig 5.5)



Figure 5.1



Figure 5.2



Figure 5.3



Figure 5.4



Figure 5.5

## Step 6

- Tightly attach batten tape to the top and bottom of the roll-up door. Attach the batten tape with 2 tek screws and washers to the upright on top and the wood base on bottom. (**Fig 6.1**)
- Remember to fold over ends twice to reinforce. This keeps strap from tearing out. (**Fig 6.2**)

## Step 7

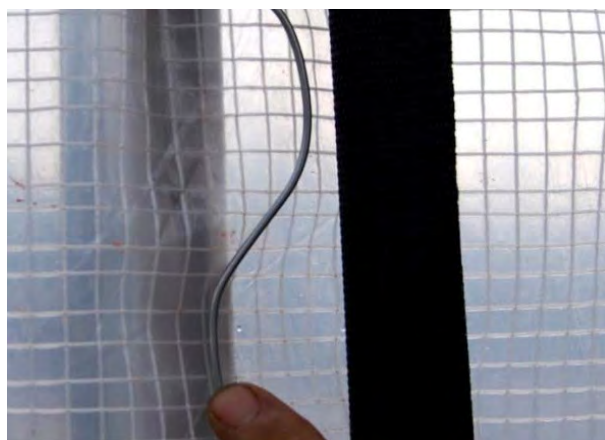
- You can use wire-lock to seal your door shut if needed (**Fig 8.1**).



**Figure 6.1**



**Figure 6.2**



**Figure 7.1**



**Finished Roll Up Door**

# WIND STRAPPING INSTRUCTIONS

## Step 1

- The best way to throw your wind strapping over the green house is to use a water bottle or soda bottle filled with water. It will not puncture or cut your film. Simply tie strapping onto the bottle (**Fig 1.1**) and throw over the greenhouse.



Figure 1.1

## Step 2

- Place wind strapping between the first and second bow and then between the next to last and the last bow. With the remaining wind strapping equally space your strapping the length of your green house. Strapping should be placed between the hoops. (**Fig. 2.1**)



Figure 2.1

## Step 3

- When attaching strapping to your base or head board, fold over twice for strength (**Fig 3.1**). Use a washer and wood screw to attach (**Fig 3.2**).



Figure 3.2



Figure 3.1

**Please feel free to call us with additional questions, 866.928.3390.**

### **Additional Information Concerning Weather**

During windy, stormy, or winter conditions it is mandatory to roll sides down and wire lock ends. If you fail to do this, it may result in greenhouse damage due to wind uplift. If you are expecting severe snow (4" plus) you should brush snow off of the greenhouse. Feel free to call for more explanation, 866-928-3390.

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