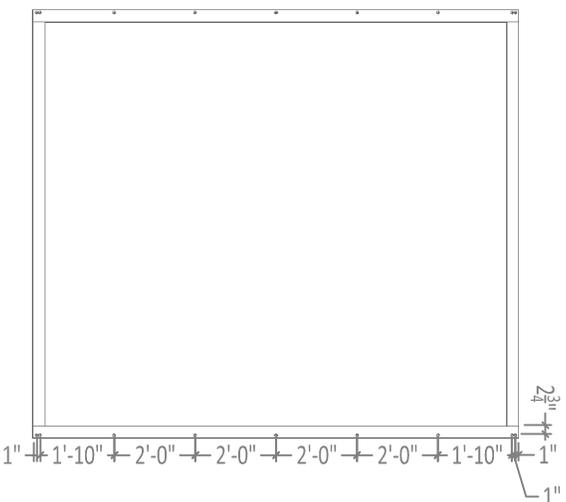




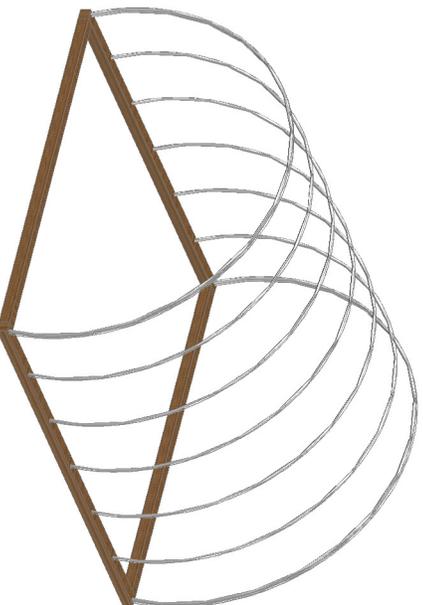
The portable PVC greenhouse is one of the easier coops to construct.

1) Start by laying out 2 - 4x4x12' (100x100x3600mm) posts as shown below. You should be able to purchase the posts to the correct length, but if necessary, go ahead and cut the posts to the sizes you prefer.

2) Measure the diameter of the PVC pipes to be used as ribs. Make sure the drill bit you use is slightly larger than the diameter of the pipe. Drill holes in the 12' (3600mm) sides as shown below.



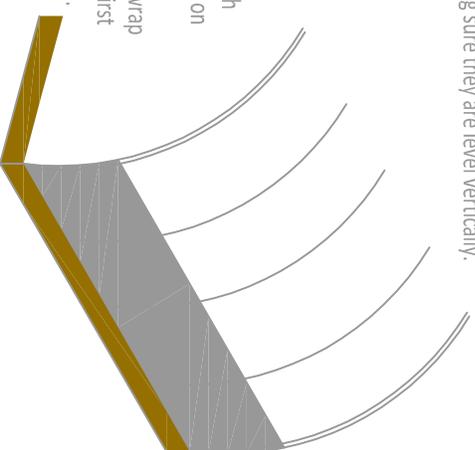
3) With assistance, CAREFULLY bow each piece of PVC and put the ends in the corresponding holes in the base boards. You should have something similar to the diagram below:



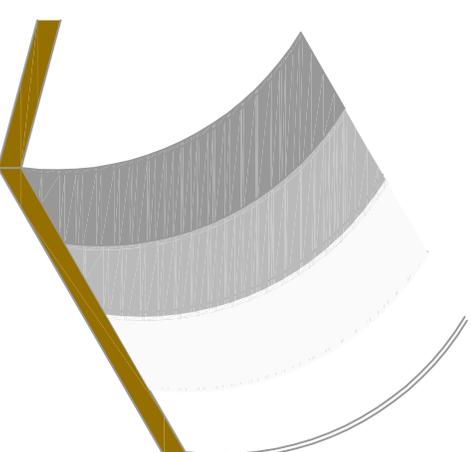
3) Now, the plastic sheeting is really up to the builder. You can purchase flexible plastic panels and run them over the pipes. You can run plastic sheeting horizontally or vertically over the pipe.

1. For horizontal sheeting, wrap one end of a plastic sheet around a end piece of PVC. Glue the plastic sheet to the PVC with epoxy or adhesive (I recommend PVC cement as it dries quickly and holds with a vise-like grip. Allow the glue to set. Always read and follow manufacturer instructions. Make sure you leave enough plastic sheet at the bottom to seal to the base board!
2. Have an assistant hold the other end of the plastic sheet. Use a level and make sure both ends are straight up and down. Cut the plastic sheet just long enough to wrap around the opposite end pipe. Glue and let set as with the first end.
3. Continue gluing the middle pieces, making sure they are level vertically.

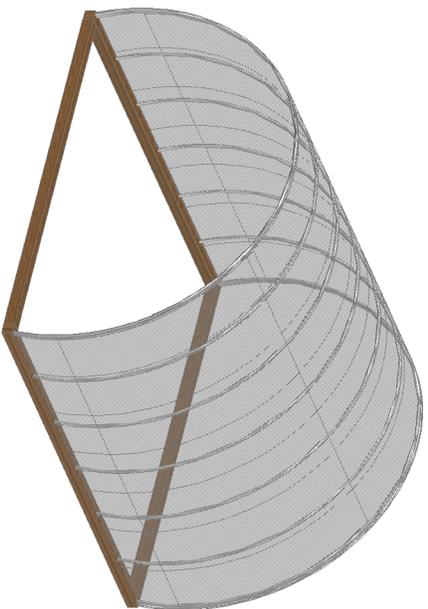
Leave enough plastic sheet on both ends to completely wrap around the first and last pipe.



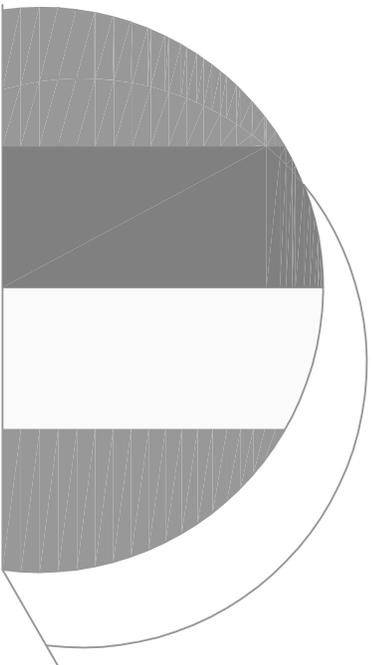
1. For vertical sheeting, start by laying the plastic sheeting over the PVC ribs like a blanket. Make sure the sheeting runs square and tack it down by spot gluing each corner. Make sure to overlap the base board to form a tight seal.
2. Lay the sheets over one another, overlapping the edges. Do NOT glue the second piece in from the front and rear. These will be the slider pieces to attach plastic for the entrance and vents.
3. Once the plastic is tight and the spot glue has set, you should be good to go with gluing the rest of the PVC frame to the plastic. Start with the first PVC tube and make sure all PVC tubes are straight up and down with a level.



5) Once you have the ribs covered with plastic sheeting, the structure should look something like the diagram below.



6) I hope you remembered not to glue the plastic to the pipes just inside the very exterior pipes (the slider pipes). To make front and rear access, all you need to do is drape plastic sheeting down the front, fold the plastic sheet over the top of the tube and glue the seam closed. Sheets should be orientated as shown below.

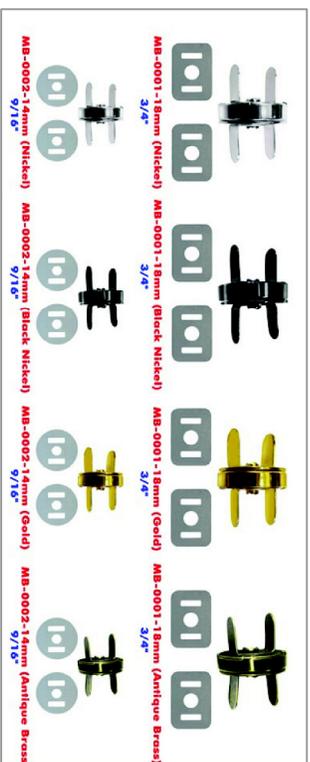


7) To add ventilation, simply follow the same process as the plastic entrance but use some form of mesh. Attach to the rear of the structure on the interior side of the plastic sheeting. Make sure the mesh overlaps along the edges and pull the mesh tight before anchoring to the base.

7) To keep the front and back closed, it will really depend on what the builder wants. We recommend the use of one or more of the below types of enclosures for the plastic sheets with pros and cons to assist with a decision.

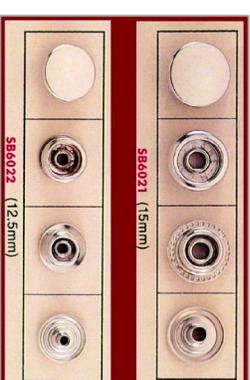
**Magnetic Clasp:**

1. **Pros:** Strong hold, Weather resistant, convenient, opens and closes easiest, easy to install.
2. **Cons:** Will not hold like a snap button, more expensive than other options, not regularly found locally.



**Snap Buttons:**

1. **Pros:** Strongest hold, weather resistant, accessible, easy installation
2. **Cons:** Hardest access option, does not open easily and could tear plastic if user is not careful



**Velcro:**

1. **Pros:** Complete enclosure, strip sizes and lengths vary, easiest access of the three
2. **Cons:** Need to check if closed completely, not weather resistant, may be tougher to open earlier in use

