HOOP HOUSE USA

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Table of Contents

Part Terminology

Post

Arch

T-Connector

Cross Connector Clips

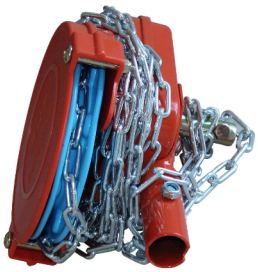
Wood Bracket

Self Tapping Screw

5/16" Bolt and Nut

Wiggle Wire with Channel

Hand Crank



Chain Hoist

Swedged Lineal Tube

(used for roll up sides, & support tubes)

Clear Plastic

Black-out Plastic (Panda)

these are for terminology purposes, you might not have some of these parts depending on what your ordered

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Acknowledgment

Thank you for being a customer!, Now that you have received your hoop house structure starter kit please take the time to go over this manual. We will provide a basic outline of how to set up the main frame, all accessories and or add-ons are subject to interpretation as there are various options and tactics with these types of set ups.

Safety Tips, and Recommended Tools

As with all types of construction or structure erection please take safety seriously. Gloves are recommended and safety glasses will provide extra protection when drilling or using the self taping screws.

Required Tools :

- Powered Impact Drill with Hex Head Bit
- Measuring Tape
- Step Ladder
- Grinder with cutting Disk / cut off wheel (you might have to cut off excess material)
- 3/8" Drill bit
- Scissors or Box Cutter (for plastic)

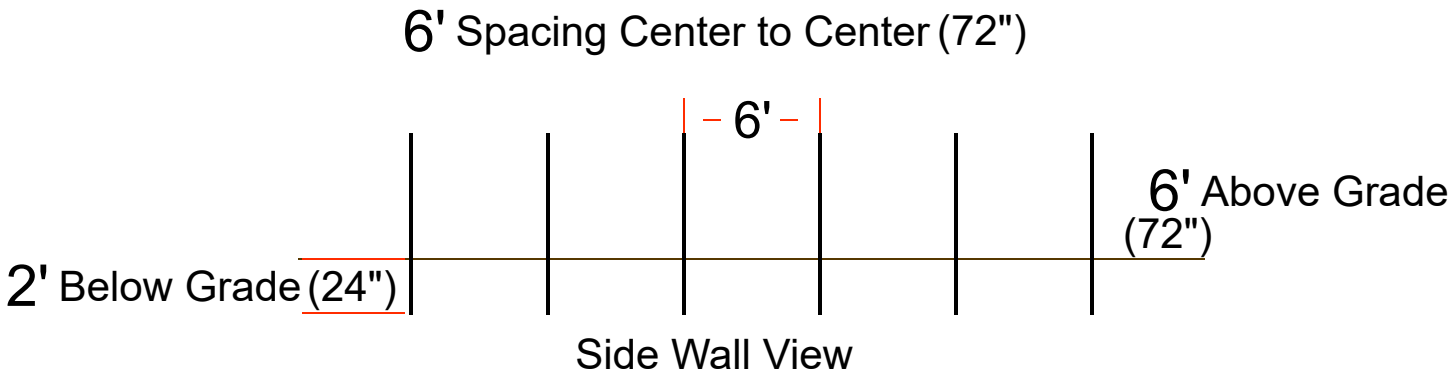
if you decide to have aftermarket ad-dons please check which other tools you might need for those

Post Dimensions and spacing

Depending on the size of hoop house structure that you purchased you will need to ensure enough space for the width and length and any other space around the structure you you want to have access to.

Post Dimensions :

- Recommended Post Length Spacing center to center 6'* feet (72" Inches)
- Recommended Post below grade (into ground) 2' (24" Inches) feet leaving 6' (72" inches) foot Post exposed
- Width Spacing will depend on the width of your hoop house structure.

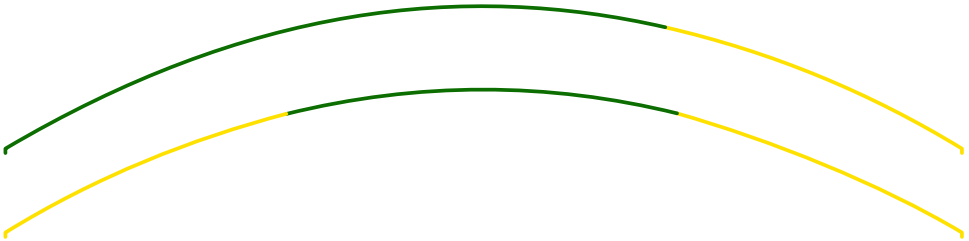


Secure posts to ground using concrete or post setting mix to post holes, please check with local concrete distributors for concrete needs.

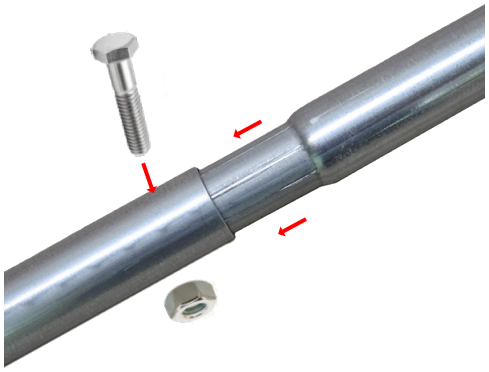
Spacing for hoop house structures 10 foot wide should be 4 feet apart for posts

Assembling Arches

Depending on the size of hoop house structure that you purchased you will need to assemble the arches, sometimes they will be in two or three separate pieces:

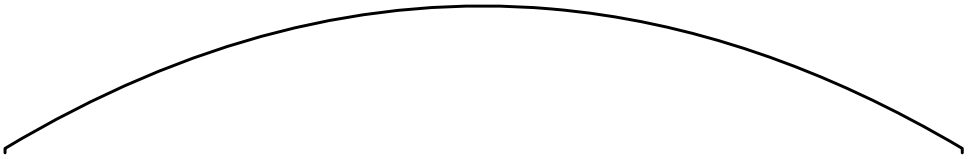


These arch sections easily slide into each other. Lay the arches on the ground to make it easier to assemble. It's recommended to use a 3/8" drill bit to make holes 1 1/2" inches down from female insert, and one 5/16" bolt per inserted section



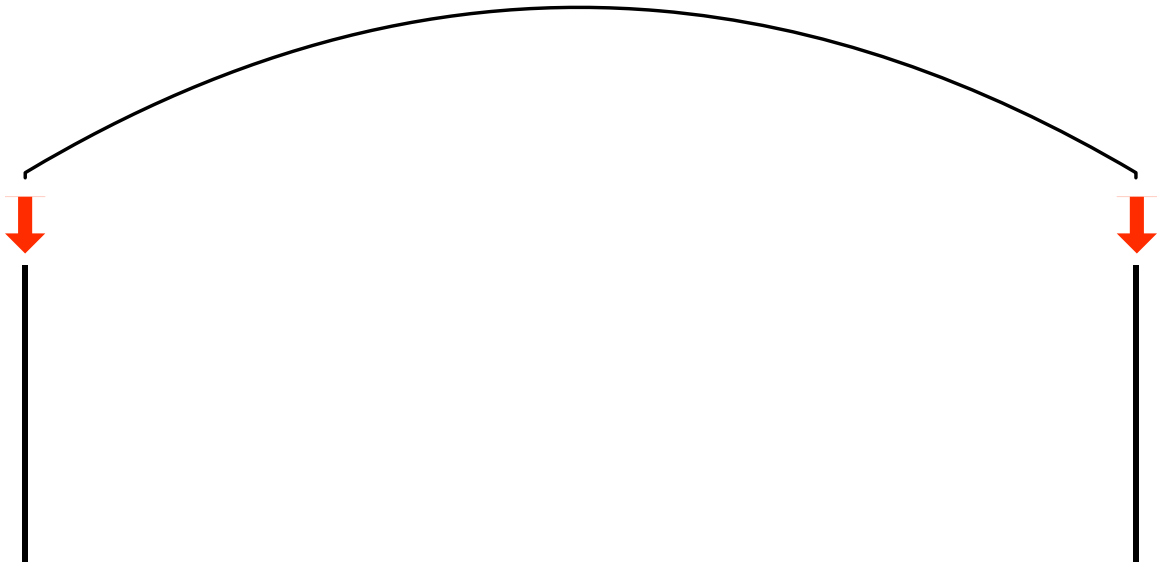
Self tapping screws are provided as place holders for temporary placement while installing

Once the arch is fully assembled it should have its final full form:

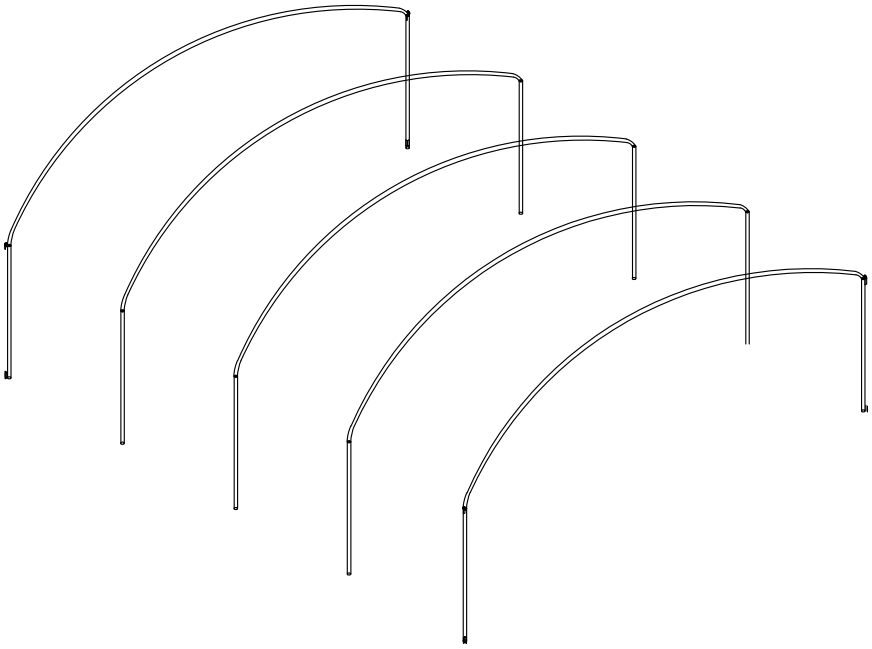


Placing Arches into posts

Once your posts are secured and you have your arches assembled it is time to mount the arches into the posts.

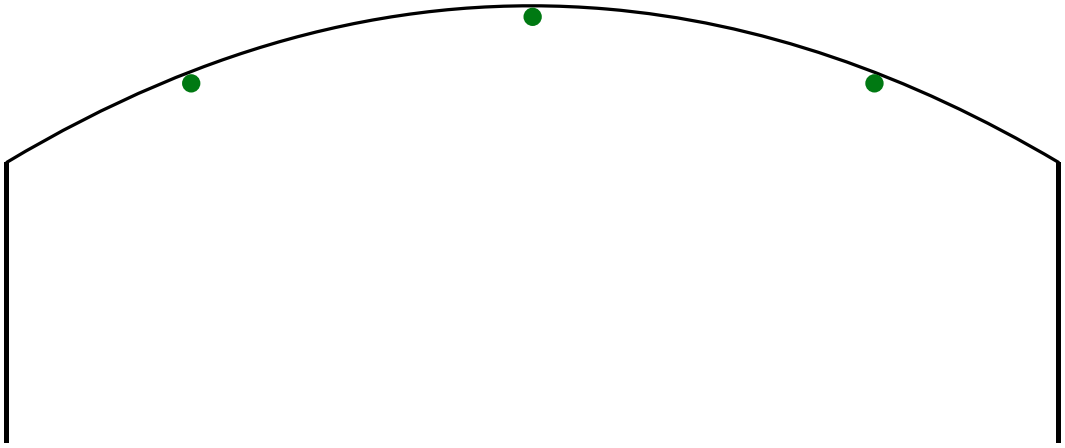


Using two people, the arches will easily fit into the posts, you can secure them using a 5/16" bolt or another preferred method.

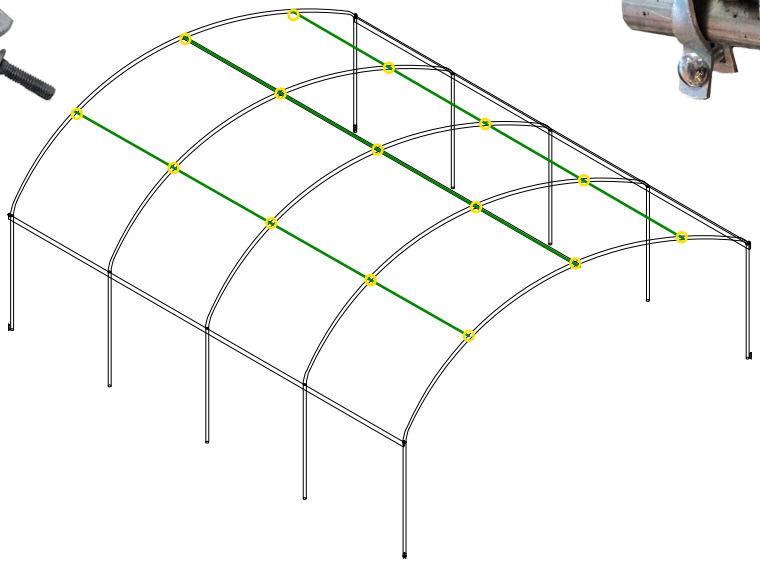


Support Tubes And Cross Connectors

Support tubes are to help your structure be more rigid and connect the overall structure together.

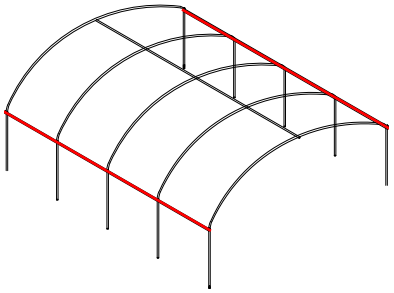


Support tubes easily slide into each other as well, you can secure them using a self tapping screw. To secure the support tube to hoop house structure use the cross connector clips at every intersection where an arch meets a support tube:

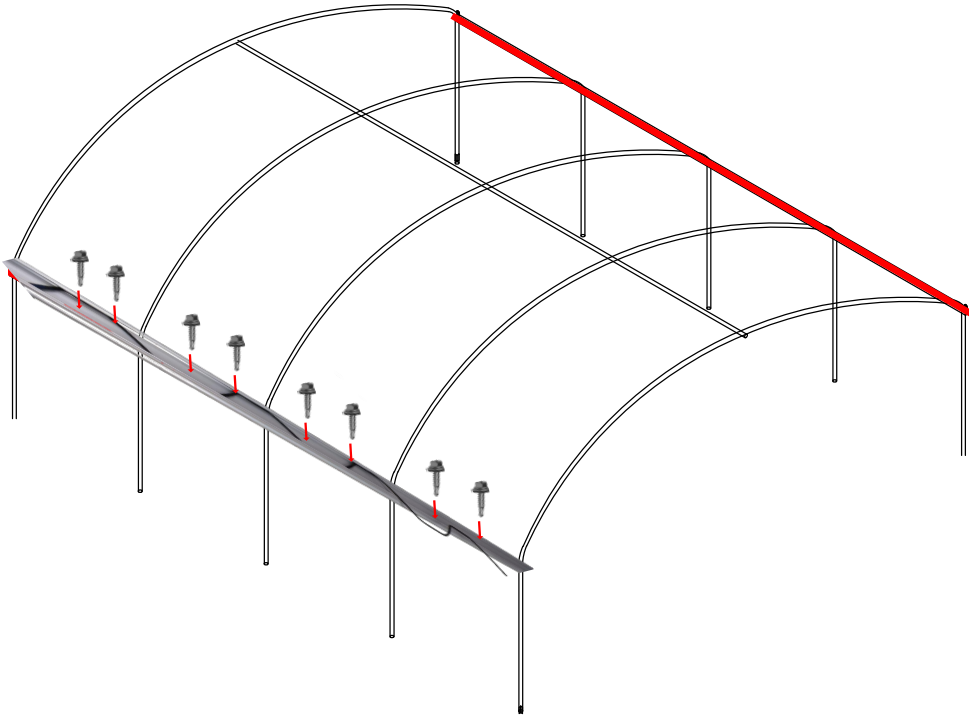


Wood & Wiggle Wire

There are various ways of adding wood to the main frame starter kit, we are going to go over the most basic wood application for your starter kit. It is recommended to use locally purchased wood and placing wood panels on the outside of the hoop house structure as outlined by the red lines on the image below. Recommended wood size 1" X 3". Multi-Purpose self tapping metal and wood screws at least 1 1/2" long should be used to fasten the wood to each post using wood brackets:

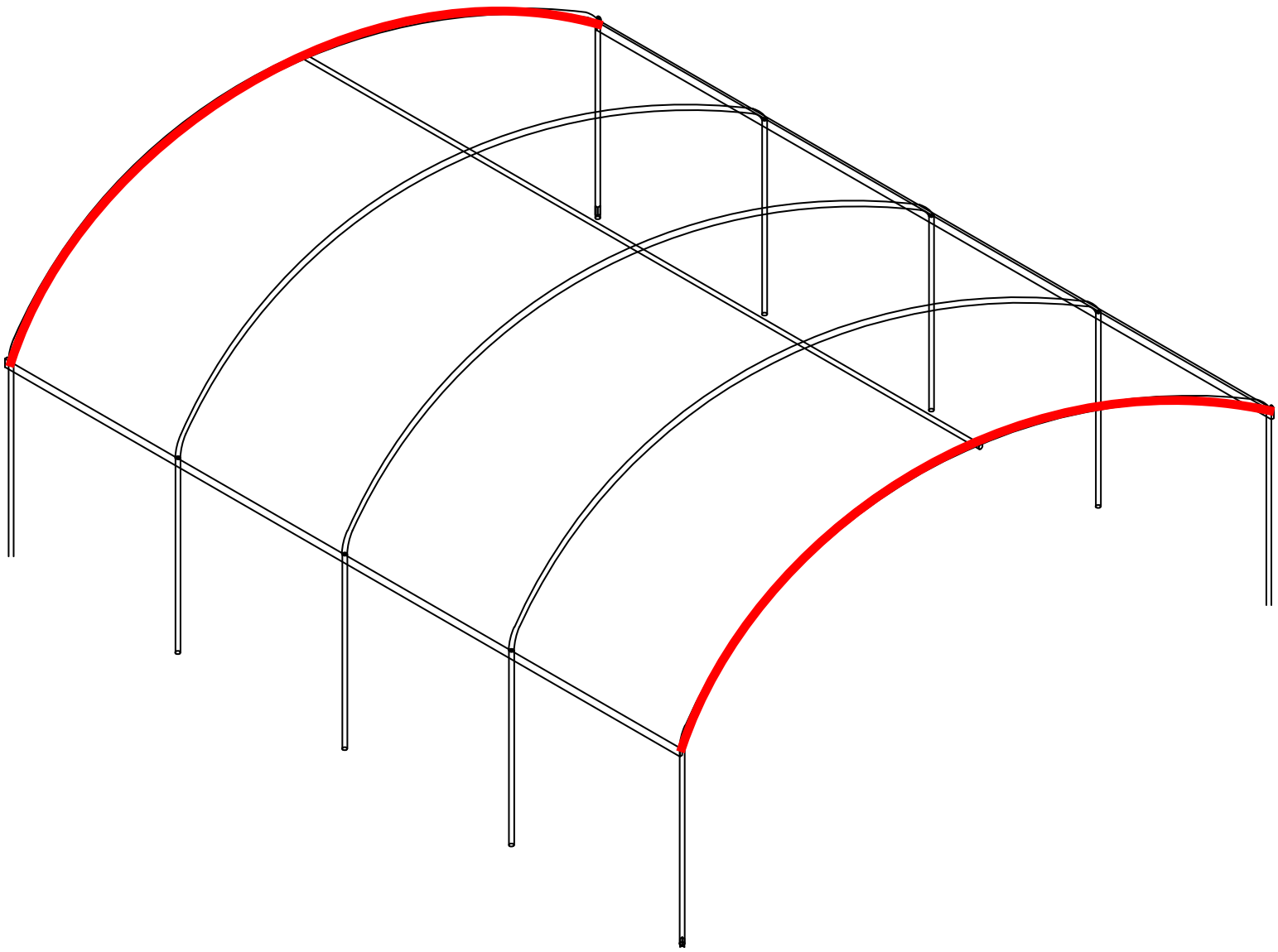


Wiggle wire W/ channel will be fastened to wood panels on the outside of the hoop house structure (remove the actual wiggle wire to fasten channel to wood):



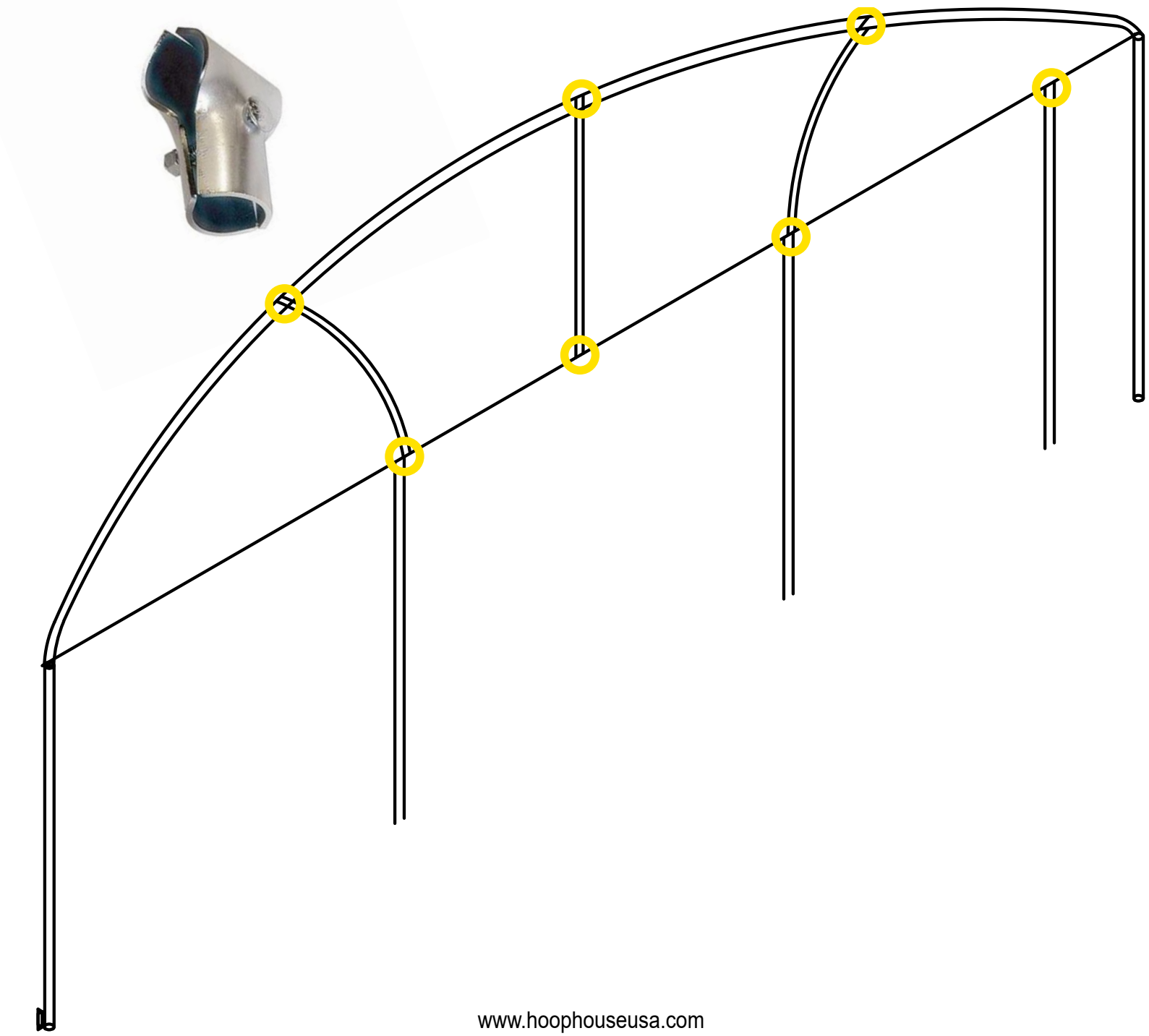
Wiggle Wire Continued

Wiggle wire channel needs to also be secured / fastened to each end or beginning arch. The wiggle wire is malleable enough to bend and form with the arch. It is recommended to start fastening at one end and bending / forming the channel with the arch while fastening channel to arch:



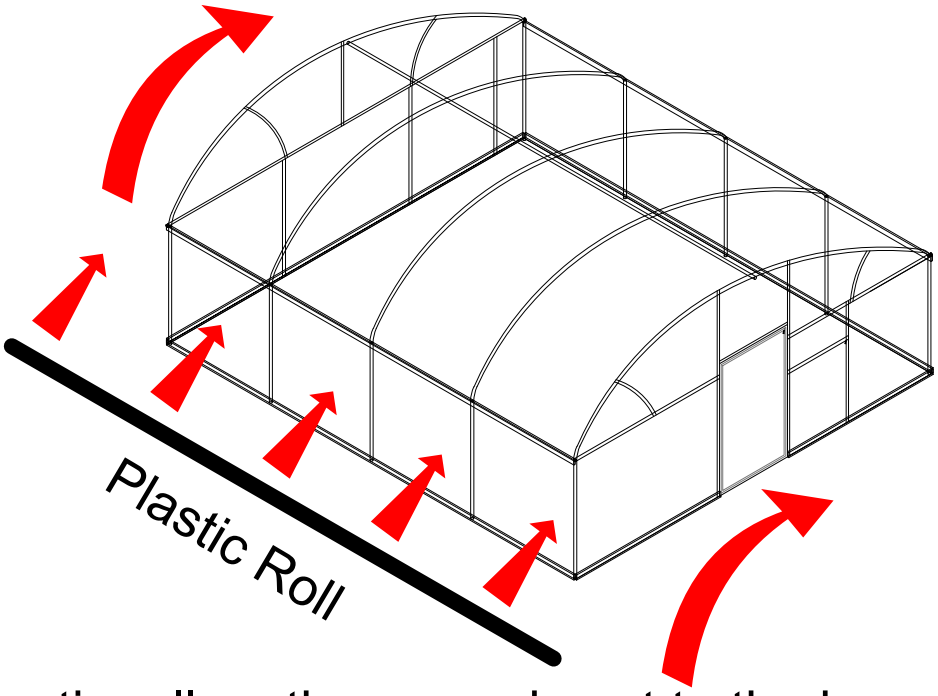
Resistance Arches / End Frame

The end frames or resistance arches are one of the best ways to add even more support to your hoop house structure. The end frame hardware will consist of smaller arches and support tubes along with T connectors to assemble the end frame. Please see image below to verify where each t connector can be placed to support your end frame:

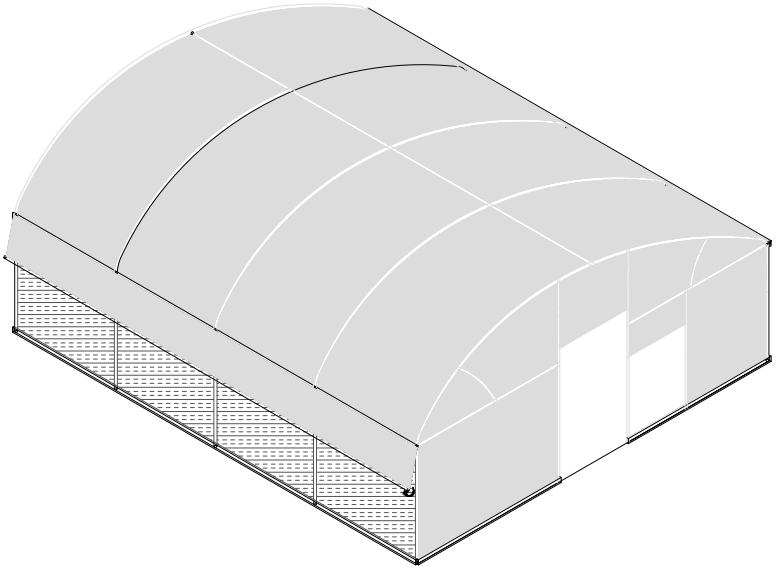


Adding Plastic to hoop house

There are plenty of methods to add the plastic to your hoop house structure. Through customers insights we have gathered, The following method seems to be one of the easiest.



Place plastic roll on the ground next to the hoop house and roll out the plastic a few feet over the length of your hoop house structure. you will have extra plastic on the sides but that will come in handy when setting in the wiggle wire.



Wiggle Wire and Plastic

Now that the plastic is on your hoop house structure you can fasten the plastic with the wiggle wire.