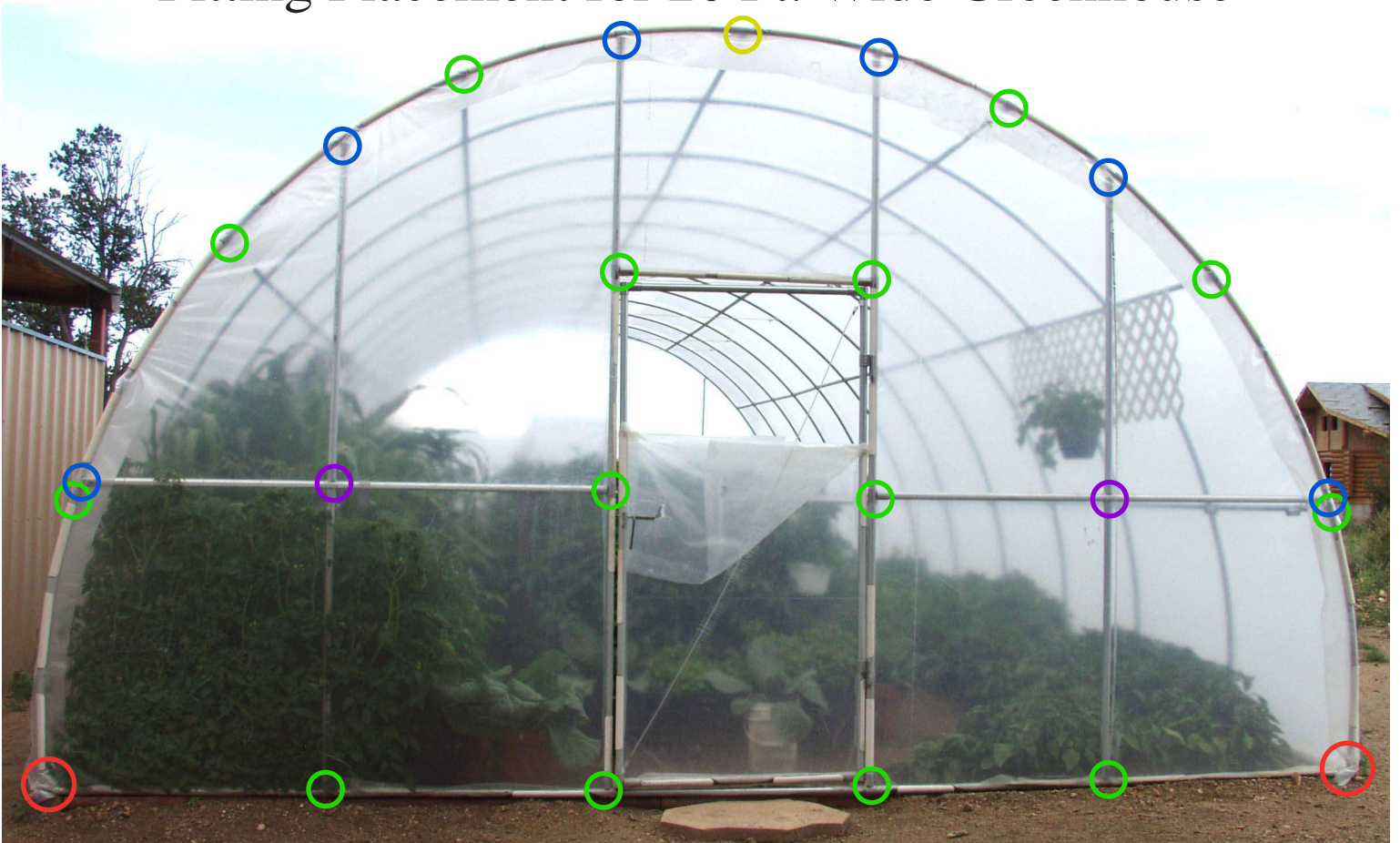


# Fitting Placement for 20 Ft. Wide Greenhouse



Fittings needed for end section with door.



Corner Fitting 2



“Angled T” Fitting 6



“T” Fitting 14



“Cross” Fitting 2



“Peak T” Fitting 1

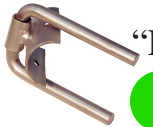
# Fitting Placement for 20 Ft. Wide Greenhouse



## Fittings for Door



“90° Elbow” Fitting 4



“Door Latch” Fitting 1



Door latch is different than shown in picture  
This is an improved version.



“Door Hinge” Fitting 2



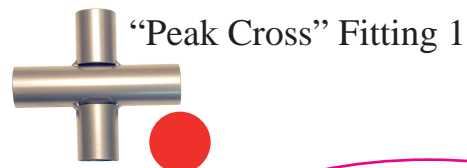


# Fitting Placement for 20 Ft. Wide Greenhouse



## Fittings Required for each section.

Each section will add on 4 feet, so if you wanted to build a 20ft. x 44 ft. greenhouse with a door at each end then you will need all fittings on page #1 and page #2 multiplied by 2. Then you will need all fittings on page #3 multiplied by 10.

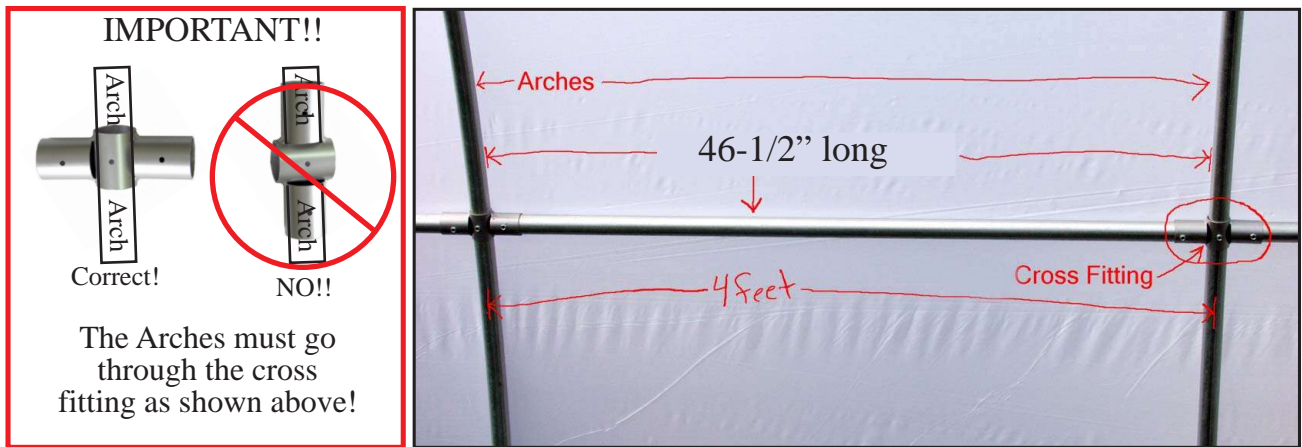


**Helpful Hint!**

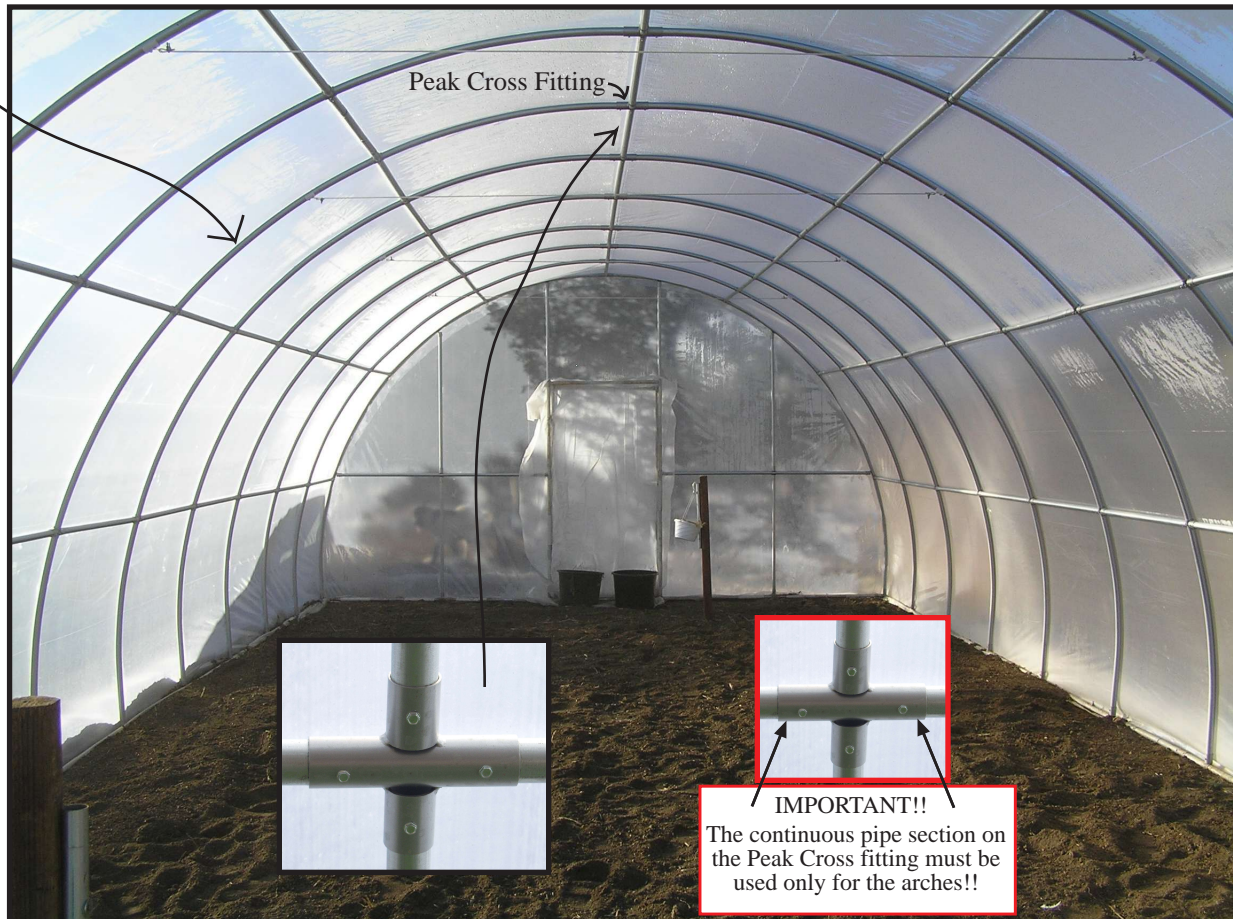
When screwing the fittings to the tubing  
DO NOT over tighten  
the screws!



# Helpful hints on building 20 Ft. Wide Greenhouse



Each Arch consists of two 17ft. sections, joined in the middle with a "Peak Cross" fitting. Measure 17ft, cut tubing, then bend.



The arches in this design of greenhouse MUST be assembled this way in order for the fittings to work properly! Some Internet sites suggest using three 10ft-6in sections to make the arches, I have found from trial and error that two 17ft sections joined at top center is significantly more stable. The "Peak Cross" fitting I have designed is a wider fitting in order to accommodate the joining of two sections of tubing. The 1-3/8", 17-18 gauge, chain link top rail tubing that I used to build all our greenhouses can be purchased at most fencing supply companies. They should come in 21ft lengths with one end swaged, the swaged end comes in handy to make two small pieces into one large piece. I use these pieces for the side braces.



# How to Attach Greenhouse Film (plastic) to greenhouse frame.



Purchase from a hardware store 1" inch IPS 200 PSI PVC pipe. It usually comes in 10 foot sections. When you get it home, cut into 12" inch sections. Next, using a hand held grinder with a thin cut off wheel, cut out a 7/8" to 1" inch wide strip length wise down the full length of the 12" section of your PVC pipe. It is best to mark a 7/8" to 1" inch strip with a marker. Also secure the pvc pipe to a table before cutting it. Be **EXTREMELY** careful with the cut-off wheel on the grinder. If you have woodworking equipment, like a table saw there is several different ways to cut this plastic pipe. After cutting out this strip clean up any rough edges with sand paper and round off the corners and you have an awesome clamp connector for the greenhouse plastic to your 1-3/8" inch greenhouse frame.



# How to Bend the Tubing for your 20ft wide Greenhouse.



**Also for bending the tubing we use our “DIY Green Bender #20”  
Sold at [www.coloradometalworx.com](http://www.coloradometalworx.com)  
Designed and Manufactured by Colorado Metal Worx.**

## **For the Do-It-Yourselfers.**

We saved thousands of dollars by building our own greenhouse  
and one step closer to self-sufficiency, never give up on your DREAM!  
Happy Building!!

Shane and Connie Dodge  
Colorado Metal Worx