

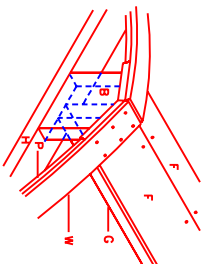
- 5) Centre piece B on the edge of the as yet unused piece H as shown (Fig 4) and pre-drill two holes through H and into B with a 1/8" drill bit. Screw H onto B with two 3" flathead screws. Repeat for opposite side. Pre-drill and screw piece G to the two pieces H similarly, although use only one screw for each end. Nail the pieces F to supports B with 2 1/2" common nails. Nail pieces F to piece G with 2 1/2" common nails. Note that the pieces F leave a slight gap at the peak, but one flush on the lower edges. Now nail the upper headers H flush onto the lower headers H with 2 1/2" common nails.
- 6) Glue and screw pieces W to pieces F and D as shown (Fig 5) with 1 1/4" drywall screws. If you have trouble bending the plywood, moisten it slightly.
- 7) Glue and screw pieces O, R, and P to pieces W as shown (Fig 6) with #8 3/4" flathead screws. Four screws go in each of the pieces O, three in R, and two in P. These pieces may have to be trimmed slightly to fit.
- 8) Build door as shown (Fig 7). screw six 1 1/4" drywall screws through each piece K and into door pieces L and J, spacing 16" into the header. Be sure you have the door hinges 6" from top and bottom on the door in the frame with the door hinges 6" from top and bottom on the outside so that opens outward. Nail doorstops M onto piece J with six 1 1/2" finishing nails so that the door closes firmly. Repeat for other side. Attach door pulls and latches.
- 9) Attach vent flaps U with the hinges 6" from the ends of H as shown (Fig 9) and attach hook latch on interior to piece B so piece U closes firmly. At this point, treat oil wood with wood preservative.
- 10) Cut one sheet of fiberglass into two 71" lengths and screw to pieces K with twenty evenly spaced four pan head screws and plastic washers, four for each piece K and two for each piece L centered in opening. Cut two 72" lengths of fiberglass from a sheet, hold flush with piece J, and trace the curve to cut so that the piece may be cut for the front of the greenhouse. Cut the curve and attach to pieces J, A, and W/R with ten pan head screws and plastic washers. Cut the scrap to fill in the small space remaining, and attach with four pan head screws and washers. Ensure you overlap and silicon the joint between these two pieces shown (Fig 8) to prevent rotting. Repeat to finish the ends of the greenhouse and chink with insulation.
- 11) The rest of the fiberglass should now be installed. The lengthwise pieces will not need to be cut, rather they will overlap each end by 3". Begin at the peak, centering the first piece. Attach to each piece W with three pan head screws and plastic washers, four for the peak piece. Before attaching the lowest screw on each side, lap this piece over the next piece, ensuring you run a bead of silicon along the overlapped joint as shown (Fig 8). This will ensure that the greenhouse will not rot in the wind.

On materials

As always, the quality of materials determines to a large extent the quality of the project.

TOOLS

Table Saw and Jigsaw
Pencil and Measuring Tape
Power or Hand Drill
1/16", 1/8", 1/4", 3/8" drill bits
Hammer and Screwdrivers
Square and Level



BEAM SUPPORT
FIGURE 4

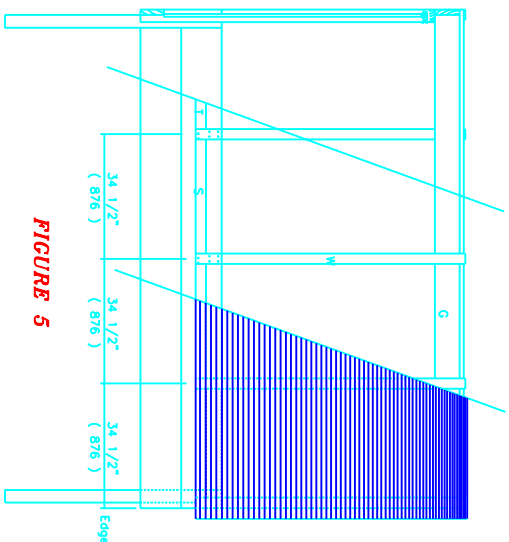
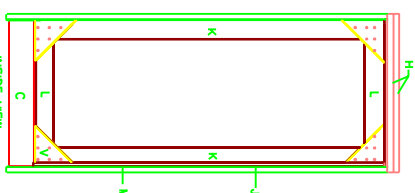
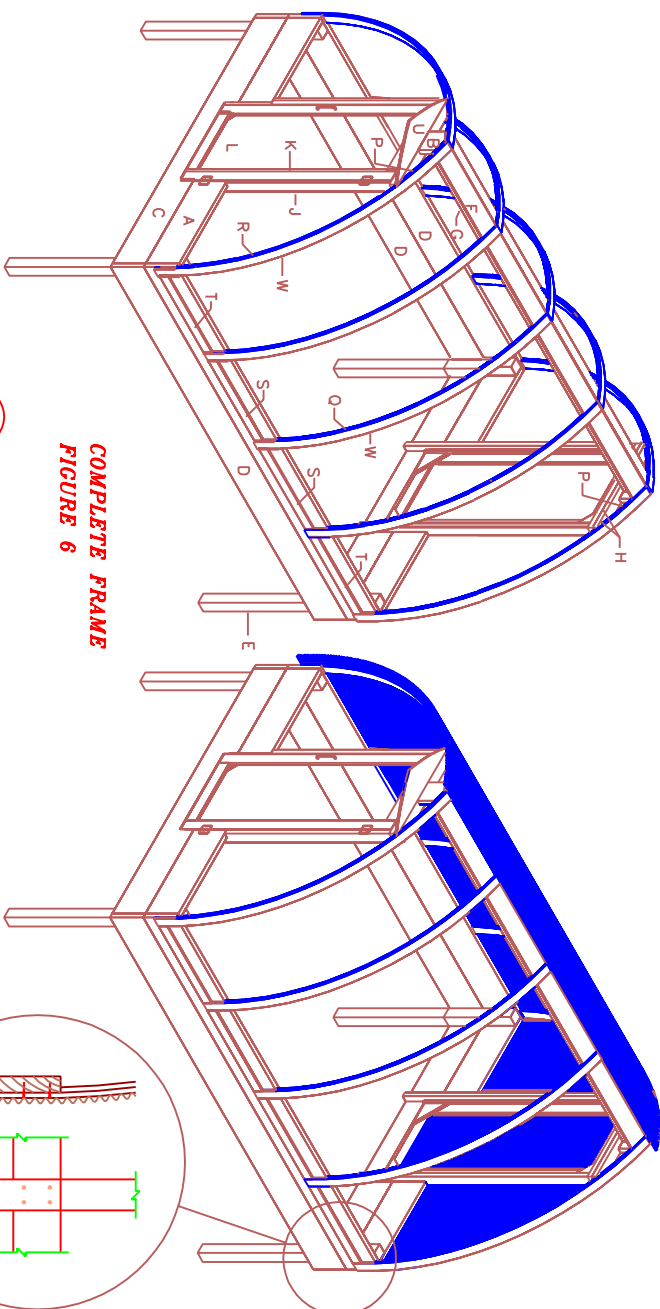


FIGURE 5

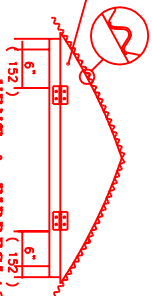


DOOR DETAIL
FIGURE 7

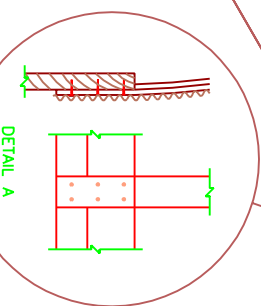


COMPLETE FRAME
FIGURE 6

RADIUS FOR TOP
EDGES OF VENT DOOR
ARE BEST MADE BY
SCRIBING THEM AFTER FRAME
IS ASSEMBLED SO AS TO
DETERMINE THE EXACT RADIUS



VENT & FIBREGLASS
DETAIL
FIGURE 8



DETAIL A

PO Box 188
340-3545 32nd Ave NE
CALGARY, ALBERTA, CANADA
T1Y 6M0

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2) Reproduction of the Plan in whole or in part by any means whatsoever is strictly prohibited.
3) Blueprints For The Handyman shall not be liable for any willful, misuse or negligent use of this plan, and shall not be responsible for any loss or damage resulting therefrom."

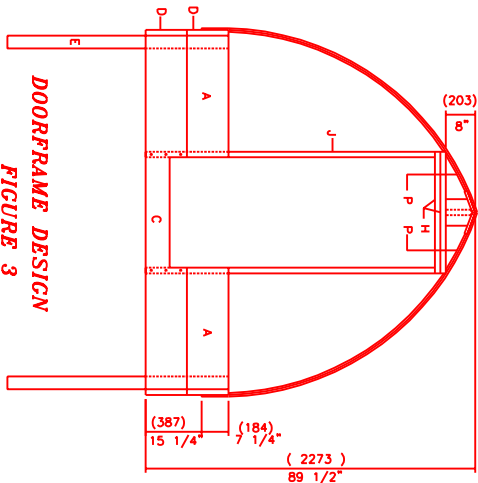
NOTE: Read all directions before beginning

Corpenenters Glue should be used to reinforce all joints
Dimensions shown in brackets denote millimeters
Countersink all screws

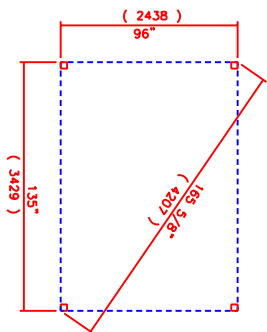
Directions

- 1) Lay out your material as outlined in the suggested material layout (Fig 1). Draw out all parts exactly as illustrated, including the letter designations, in pencil. Ensure to leave a small space between cut lines to allow for the width of the saw. Before cutting, double check all measurements to ensure they are correct. Always cut on the waste side of the line.
- 2) Choose the area where your greenhouse will go and level it as best you can. Dig four postholes as shown (Fig 2) so that slightly more than 24" of the post is above ground. Ensure the holes are square to each other as shown, check the diagonal measurement to make sure. If your posts are out, your greenhouse will be out by the same amount. Ensure any discrepancies are towards smaller measurements as it is easier to cut material than to try to lengthen it. Pack the posts in with dirt so that they stay square and level.
- 3) Beginning with the post piece E on the highest point of ground, attach bottom piece D to piece E as shown (Fig 3) with 3" galvanized nails. Attach other end of D similarly, ensuring (Fig 3) is level. Piece D should extend out at least 1/2" from the post. Then attach piece C, ensuring that this piece too is level and flush with the end of piece D. Nail on another piece D, and then the other piece C, ensuring that all pieces are level. Then nail in the upper pieces D. Cut off the posts pieces E flush with the upper pieces D. Note: The pieces D are attached to pieces E that are spaced 135" apart.
- 4) Nail through one piece H and into pieces J to attach them together as shown (Fig 3) with 2 1/2" common nails. Ensure piece H and J are one square to each other. Do not attach upper pieces H at this time. Nail J to lower base support pieces C with 3" galvanized nails. Now nail pieces A to post piece E, nail the other ends of A to pieces J with 3" galvanized nails.

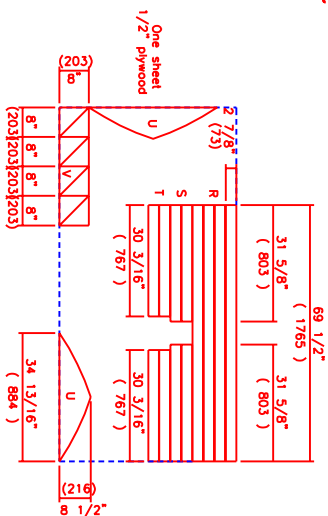
OVER



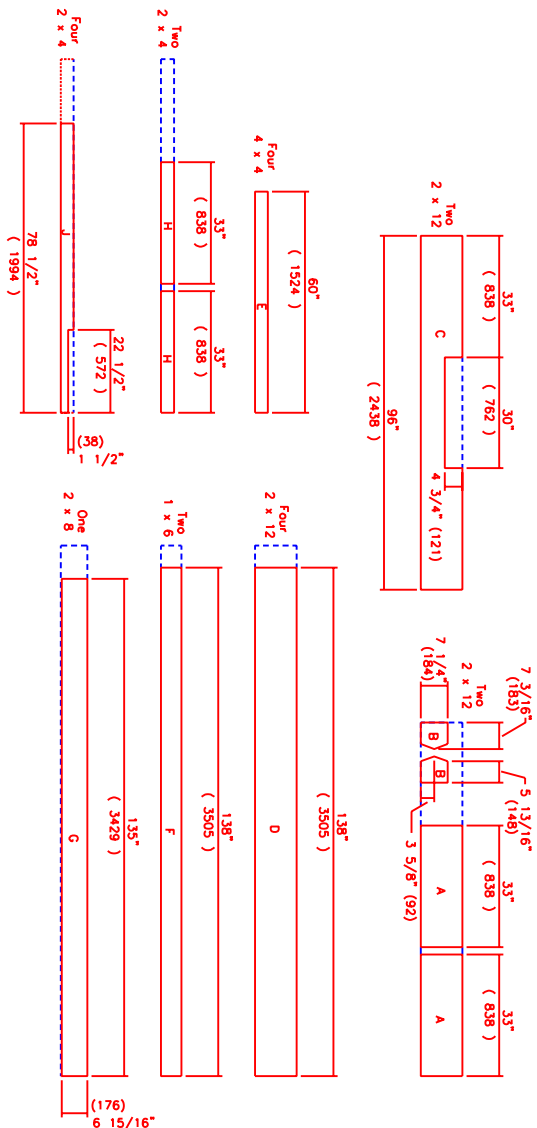
DOORFRAME DESIGN
FIGURE 3



POST LAYOUT
FIGURE 2



MATERIALS LAYOUT
FIGURE 1



MATERIALS LIST

- Twelve 26"x12" sheets corrugated fiberglass
One ball insulation
Approx. Ten #8 3" Flathead screws
Approx. 1-1/2 lb. Pan Head Screws and Plastic Washers
Approx. 1 lb. 1 1/4" drywall screws
Approx. 1/2 lb. 1 1/2" finishing nails
Approx. 1 lb. 2 1/2" nails

MATERIALS LIST

- Approx. 1 lb. 3" galvanized nails
Wood preserver
Four door hinges and hardware
Two door pulls and hardware
Two door latches and hardware
Two hook latches
Two 4"x8" sheets 1/2" plywood, good one side

MATERIALS LIST

- Four 12' 2x12 (1 1/2"x1 1/4")
Four 8' 2x12 (1 1/2"x 7 1/4")
Four 5' treated 4x4 posts
One 12' 1x6 (3/4"x3 1/2")
One 12' 2x4 (1 1/2"x3 1/2")
Two 6' 2x4 (1 1/2"x3 1/2")
Four 7' 2x4 (1 1/2"x3 1/2")

MATERIALS LIST

- Four 6' 1x4 (3/4"x3 1/2")
One 8' 1x4 (3/4"x3 1/2")
Two 6' pieces doorstop (1 1/4"x3/8")
Silicon
Panel adhesive