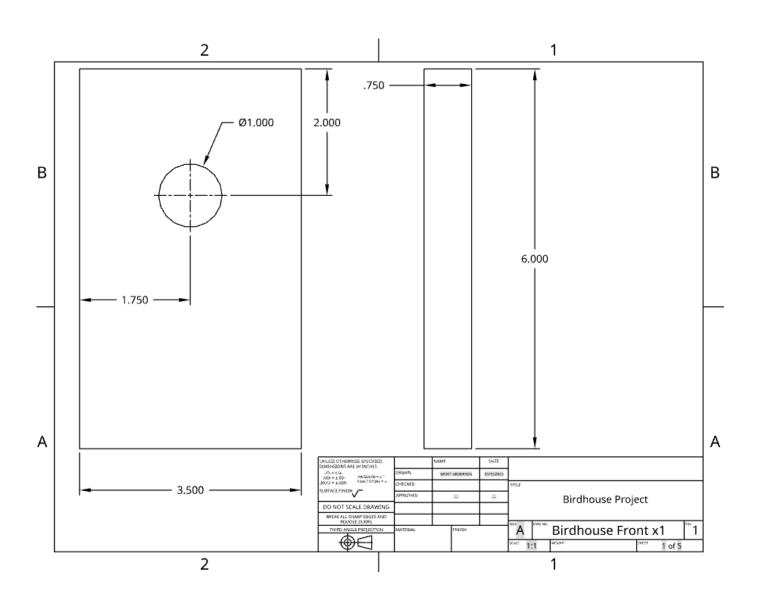
DIY Bird Box Project Instructions



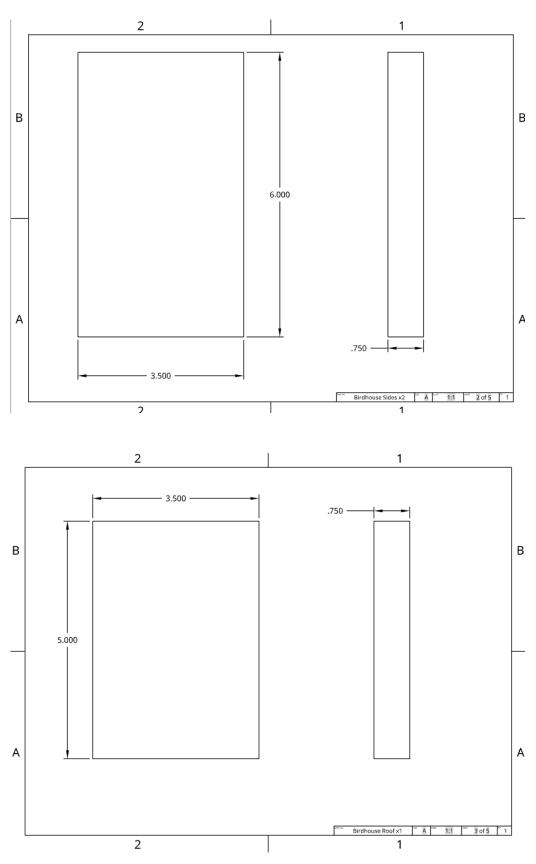


Front Panel



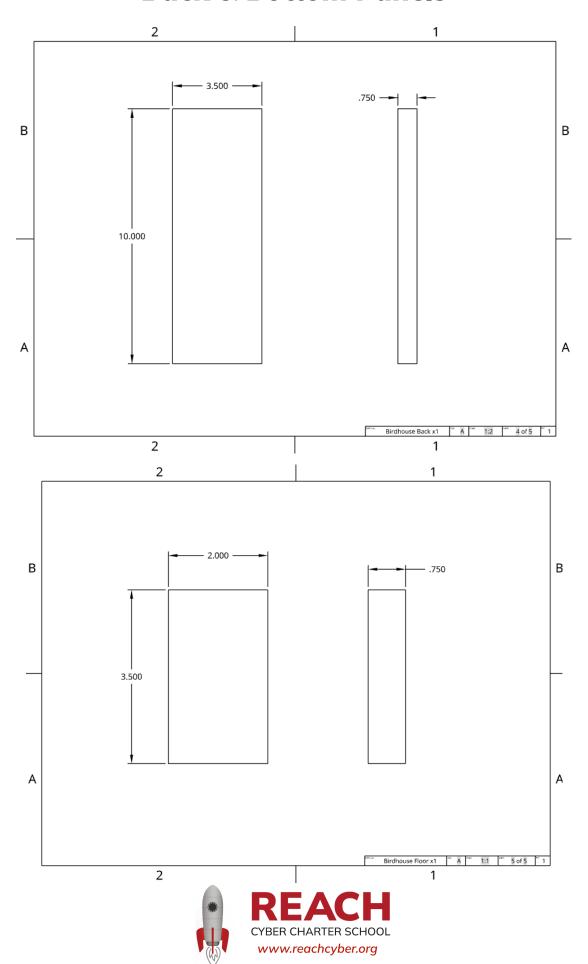


Side & Top Panels





Back & Bottom Panels



- Check board lengths:
 - 1 board 3/4" x 3.5" x 40"
- Check other materials:
 - 13 nails
 - 1 hammer
 - 1 1-inch drill bit
 - Drill
 - Tape measure or ruler
 - Square





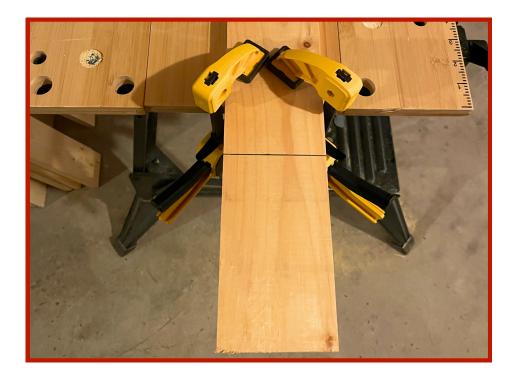
- From the end of your board, measure and mark 6 inches.
 - Use the combination square to extend that mark across the board.



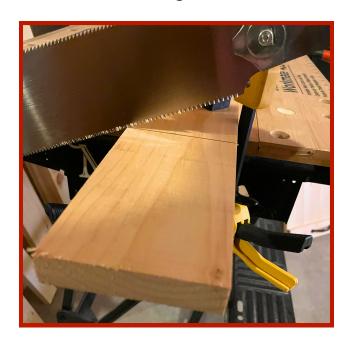




- Clamp the board to the table with the line beyond the table and clamps.
 - Use no less than 2 clamps.



- Line up your saw with the line on the corner of the board.
 - Push the saw against the corner of the board to make a notch.







- Rest the saw level on the board in that notch.
 - Cut through the board.
 - When cut, you should have a 6-inch by 3.5-inch board.





- Repeat steps 2-5, two more times.
 - After this step, you should have three boards that are 6-inches long.







- From the end of your board, measure and mark 5 inches.
 - Use the combination square to extend that mark across the board.





- Clamp the board to the table with the line beyond the table and clamps.
 - Use no less than 2 clamps.





- Line up your saw with the line on the corner of the board.
 - Push the saw against the corner of the board to make a notch.





- Rest the saw level on the board in that notch.
 - Cut through the board.
 - When cut, you should have a 5-inch by 3.5-inch board.







- From the end of your board, measure and mark 10 inches.
 - $\circ\;$ Use the combination square to extend that mark across the board.





- Clamp the board to the table with the line beyond the table and clamps.
 - Use no less than 2 clamps.





- Line up your saw with the line on the corner of the board.
 - Push the saw against the corner of the board to make a notch.





- Rest the saw level on the board in that notch.
 - Cut through the board.
 - When cut, you should have a 10-inch by 3.5-inch board.





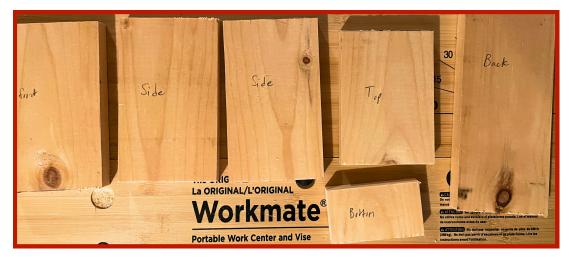


- From the end of your board, measure and mark 2 inches.
 - Use the combination square to extend that mark across the board.
- Clamp the board to the table using no less than two clamps.
- Notch the edge of the board with the saw.
- Rest the saw level on the board in that notch and cut through the board
 - When cut, you should have a 2-inch by 3.5-inch board.





- Label one of your 6-inch long pieces "Front".
- Label the other two 6-inch long pieces "Side".
- Label your 5-inch piece "Top".
- Label your 10-inch piece "Back".
- Label your 2-inch piece "Bottom".





- \bullet On the front piece, measure and mark 1 $^3\!\!4$ inches from the edge.
 - Use the combination square to extend that mark across the board.





- From the end of the front piece, measure and make a mark at 2 inches along your line.
 - Clamp the board to the table with your mark at least 1 inch from the edge of the table.
 - Use 2 clamps!







- Place your 1" drill bit on the mark.
 - Drill through the board.
 - $\circ\;$ You will have a 1" hole in the front of your bird box.





- From the end of your back piece, measure and mark 8 inches.
 - Use the combination square to extend that mark across the board.







- From both edges of the back piece, measure and mark ¾ of an inch.
- From both edges of the front piece, measure and mark ¾ of an inch.





- From the end of each side piece, measure and mark ¾ of an inch.
- Use the combination square to extend all marks made in steps 22-23.
 - Extend the marks on the back and front the length of the board.
 - Extend the marks on the side pieces across the board.







- On the other side of the back piece:
 - From the end of your back piece, measure and mark 8 inches.
 - Use the combination square to extend that mark across the board.





- Clamp a side piece to the back of the birdbox.
 - Make sure the piece is flush with the edge of the back piece and lined up with your mark.
 - To check if the board is flush with the edge: When you feel where the two boards meet with a finger, it should feel flat.







- Drive 2 nails into the back piece to secure the side piece.
 - The nails need to be between your 8-inch line and the bottom end of the side piece. You can see this in the picture on the left.
 - Try to drive the nails halfway between your ¾ inch line and the edge of the back board. This is shown in the picture on the right.





Step 26

• Repeat steps 25 and 26 for the other side piece.







- Place the bottom piece.
 - Clamp the bottom piece in place, make sure it is flush with the bottom ends of the side pieces.



- Drive one nail into each side to hold the bottom piece in place.
 - Remove the clamp and add a second nail to each side.







- Clamp the front piece onto the birdbox. Make sure it is lined up with the sides and bottom.
 - If pieces were cut correctly, you should be able to place the front piece so that the sides and bottom line up closely with the bottom and sides already attached to the birdbox
 - Drive 4 nails to secure the front





- On the top piece, measure and mark 1 ¼ inch from the end.
 - Center this mark as best you can.
- Line the top piece up with the sides pushed against the back.
 - Drive a nail in at your mark.







• Congratulations you have completed your birdbox!



