

Simple Dog House



Dog Houses

Forward

In November of 2022, AWA was approached by the city of Albuquerque with a proposal to help in making more dog houses available to needy families in the city and AWA whole heartedly agreed to make a number of the dog houses if the city would provide funding for materials.

This document details the design, construction, and procedure followed by AWA in taking on this project. A team was formed, a design was agreed upon, a prototype was built, and enough AWA woodworkers recruited to produce a total of 30 dog houses – 15 for medium sized dogs and 15 for large sized dogs.

If you are one of the woodworkers that has stepped up to build one or more of these homes for our furry friends, we thank you for your support and hope this document will help in making your build a success. If you have any questions or need help of any kind, please contact one of the following individuals on the team:

Ros Barnes	(505)917-9104
John Henderson	(505)235-8473
Diane Galbraith	(505)903-4968
Jerry Van Slambrook	(505)620-6680



Dog Houses

Revision History

Version	Date	Comments
1-1	1/19/23	Initial design & draft release
1-2	1/20/23	Updates based on Ros feedback: Changed his phone #, changed LFL reference, changed number of joists, added door dimensions.
1-3	1/21/23	Added porch detail pages and changed the slope of the porches from 15° to 5°



Dog Houses

Materials

Basic

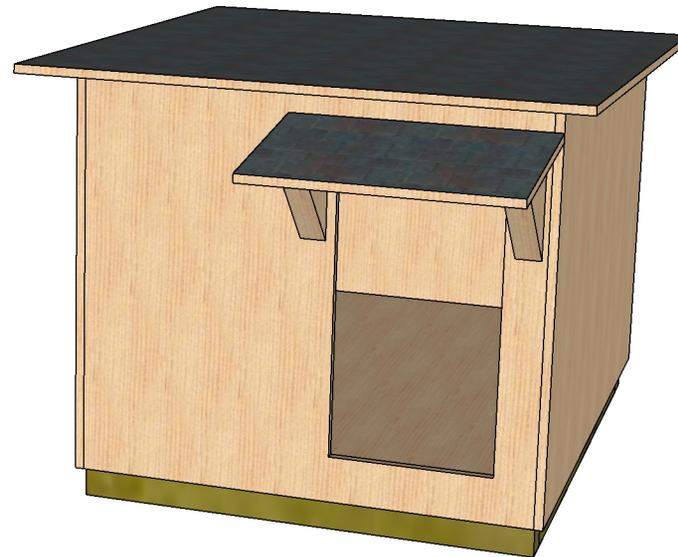
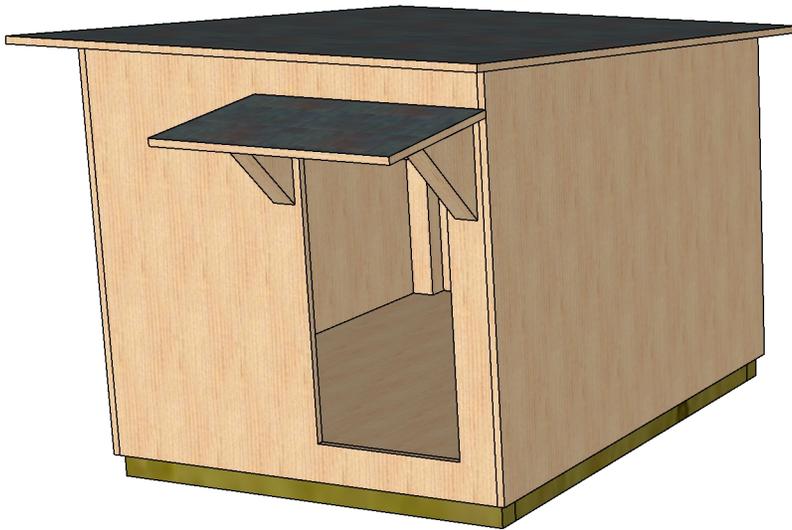
- OSB is the chosen exterior paneling to be used and comes in 4' X 8' sheets. The exterior of the houses will be coated with an exterior grade finish to aid in weather resistance. One medium and one large dog house can be built from three sheets of the OSB.
- 2X4's that can be ripped and cut to length for the support framing. The pitch of the roof is 5° so, where needed, they could be ripped or crosscut at 5°.
- Peel-and-Stick roofing material, tan in color for the roof and porch.
- Titebond III glue, exterior panel screws, and brad nails will be the primary means of connection.



Dog Houses

Full View

*This is a very simple design
made from inexpensive
material to be cost effective
yet very functional*

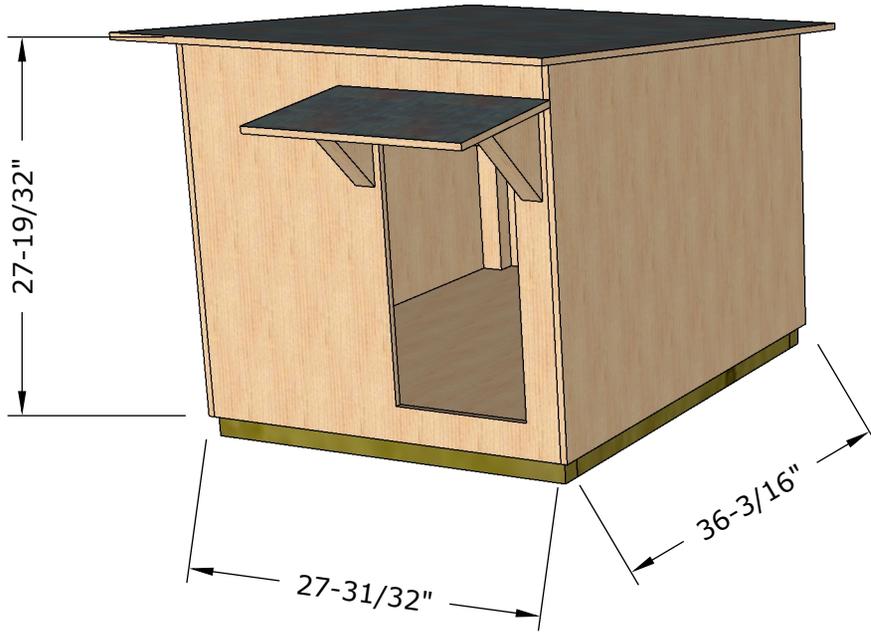


*The design
accommodates two sizes -
one for medium and one
for large dogs*

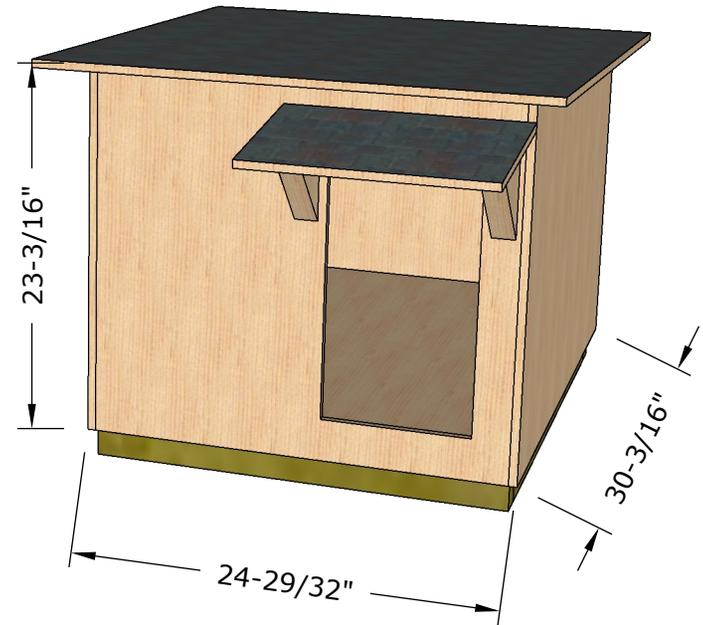


Dog Houses

Finished Dimensions



Large Dog House



Medium Dog House



Dog Houses

Porch & Walls Removed

The main structure sets on a framework made of treated lumber.

The framing is made of ripped 2X4's to support and stabilize the 1/2" OSB paneling on the outside.

The roof is a simple flat pitched roof with roofing material added for weather

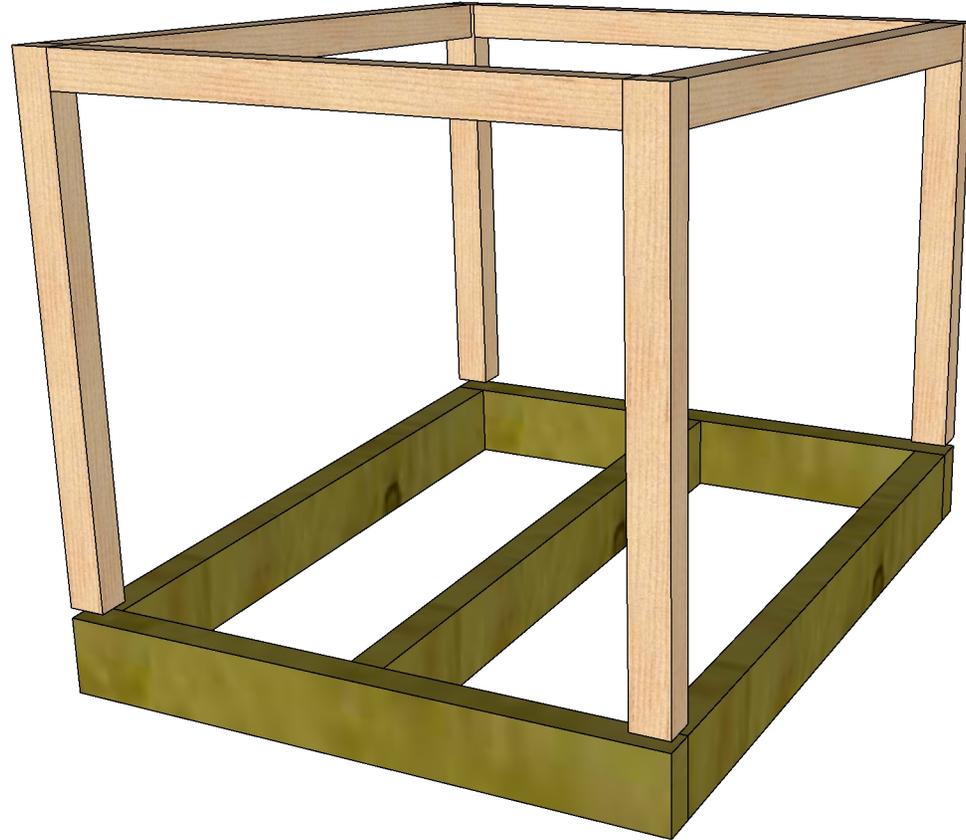




Dog Houses

The Frame

The framing will be glued and screwed/nailed to the sheeting material which should provide a very strong and stable structure.

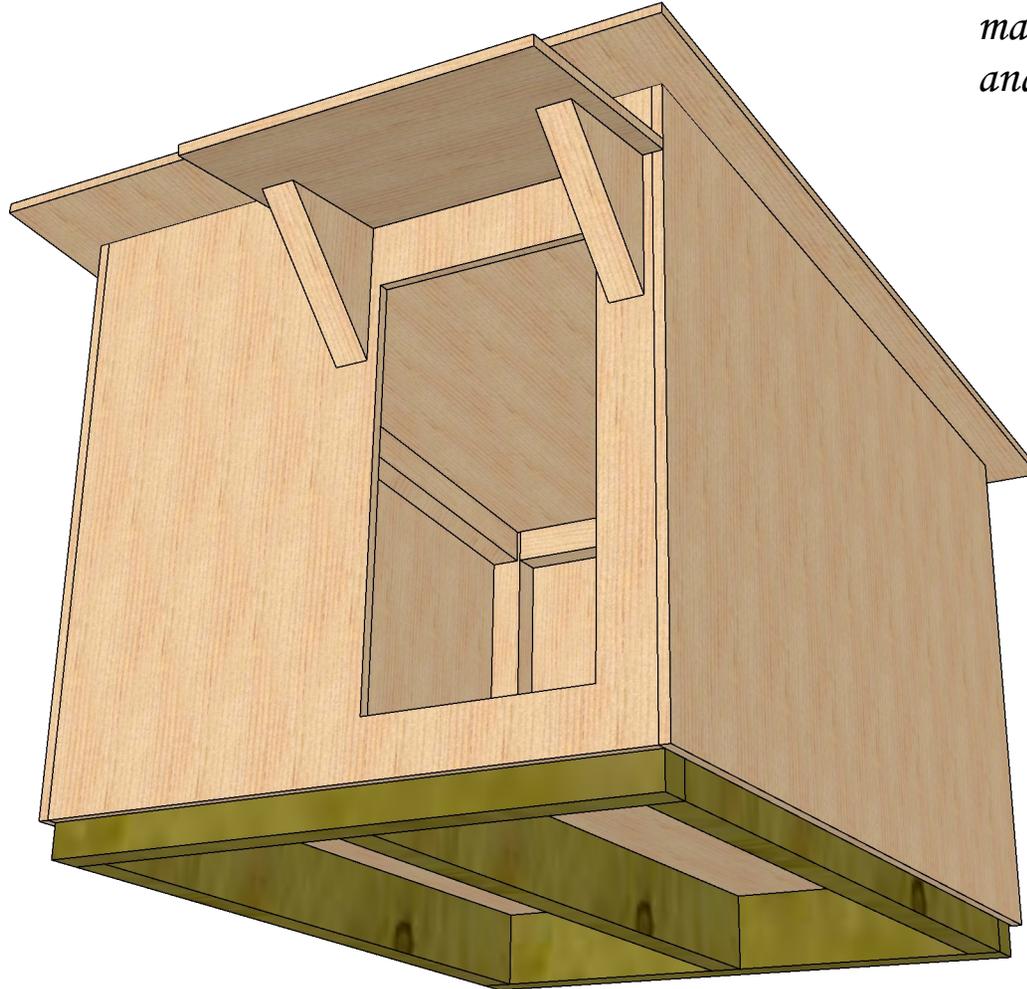




Dog Houses

Bottom View

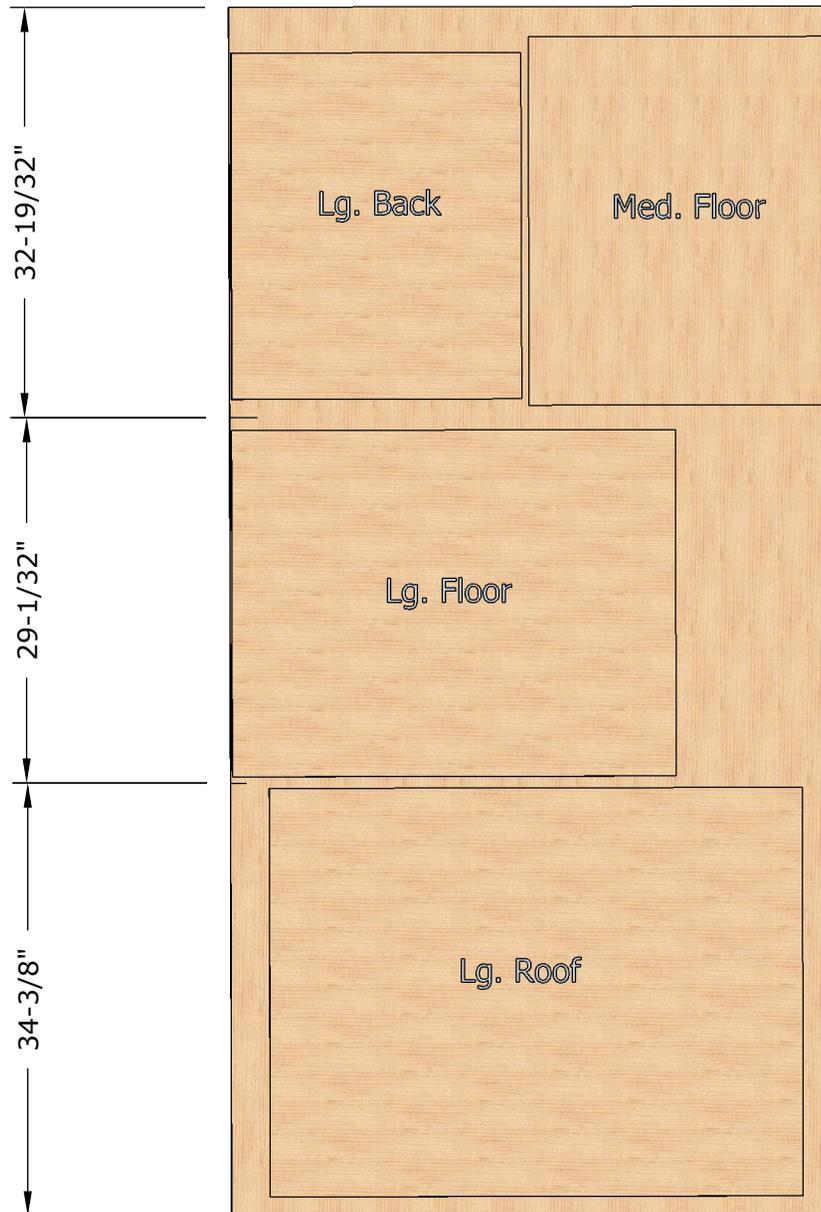
A base of pressure treated lumber will provide a base which raises and protects the main structure from the ground and moisture.





Dog Houses

Rough Cutsheet 1 of 3



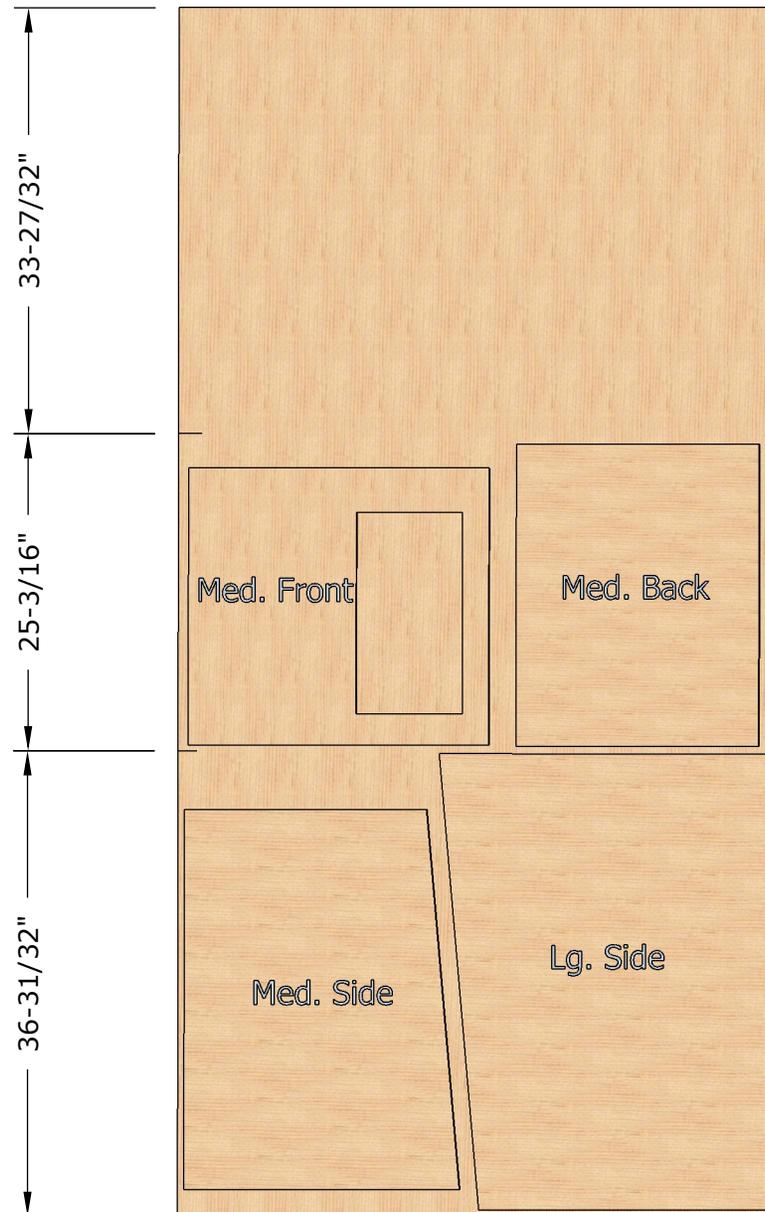
This shows the components that may be cut from this sheet of the 4' X 8' OSB. Their dimensions are provided on other pages to accommodate finish cut to size.

The dimensions provided are for potential "first" cuts before the final cuts.



Dog Houses

Rough Cutsheet 2 of 3

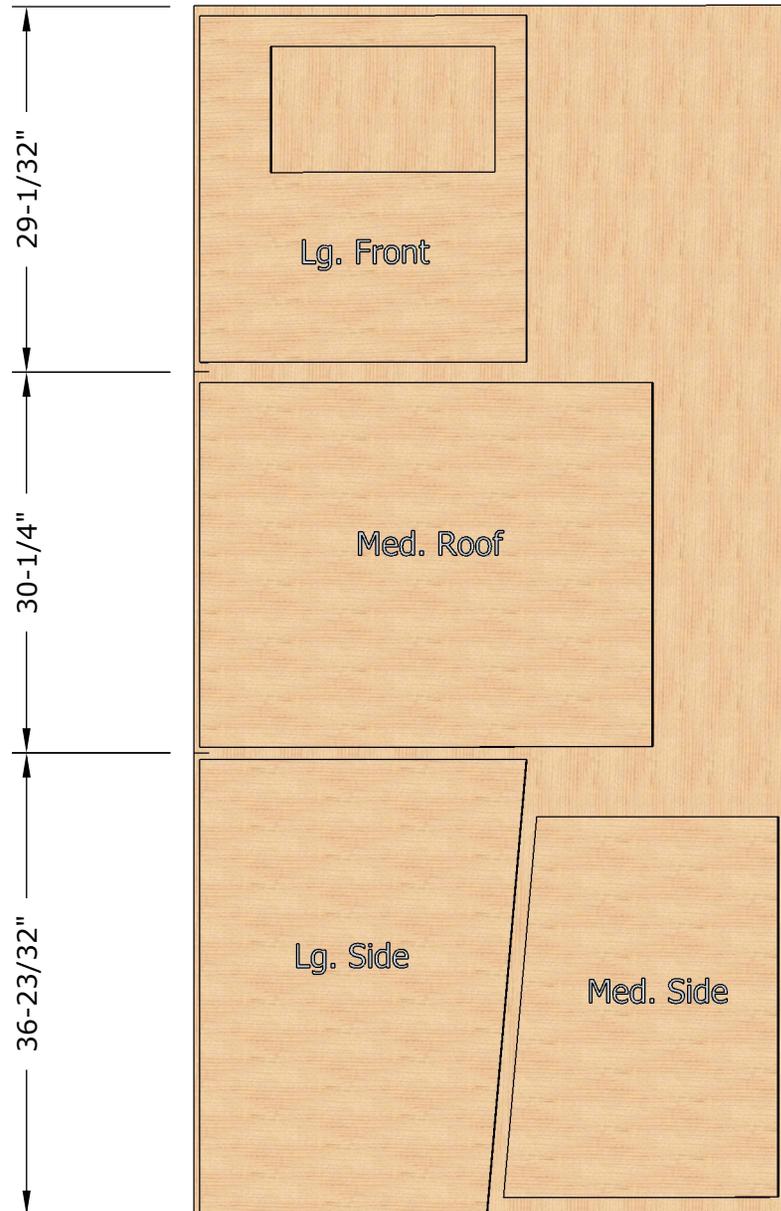


Again, this shows the components that can be cut from this sheet and the dimensions are just for potential "first" rough cuts. The left over piece may be used for mistakes or components for other houses.



Dog Houses

Rough Cutsheet 3 of 3



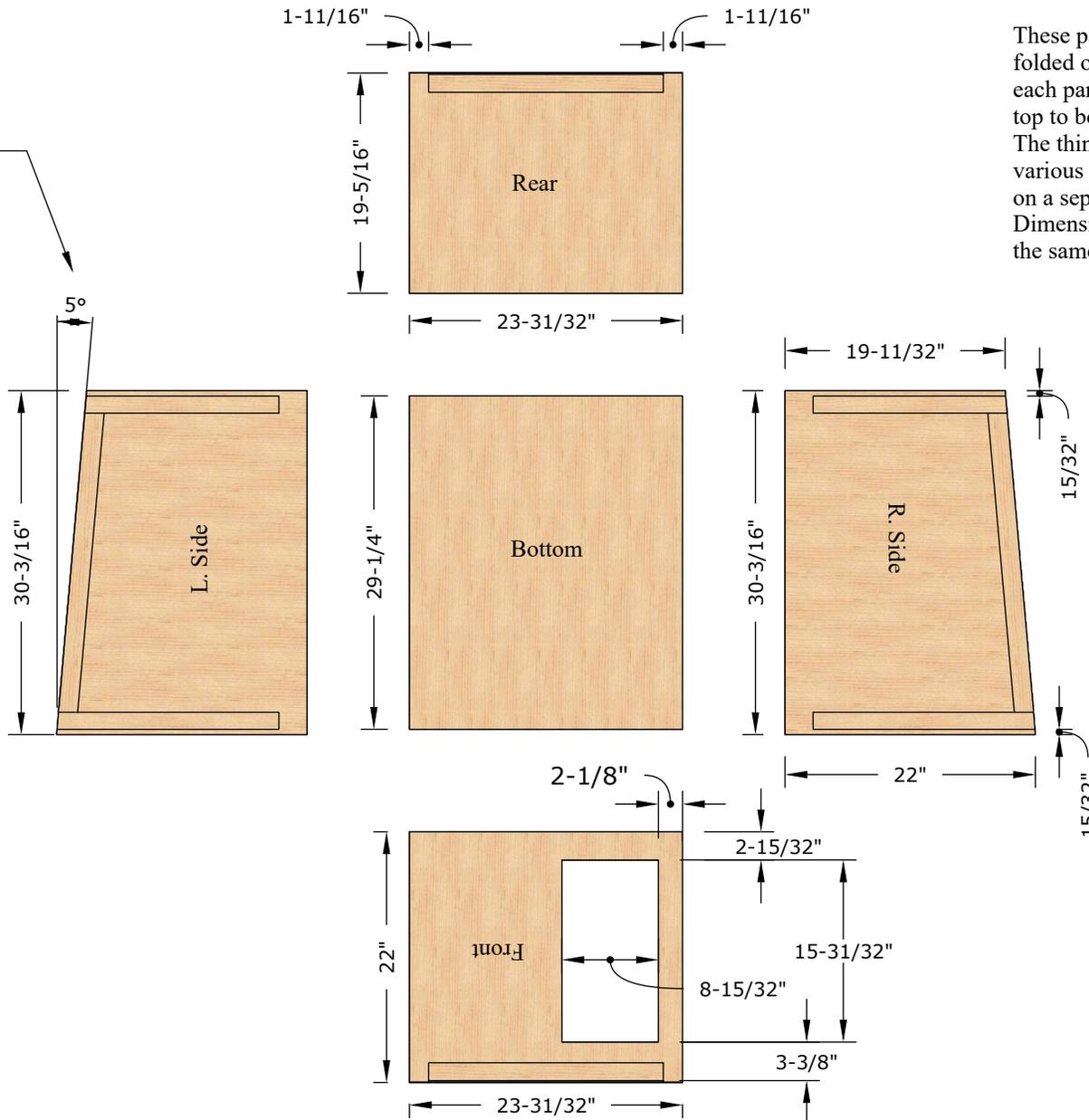
Again, this shows the components that can be cut from this sheet and the dimensions are just for potential "first" rough cuts.



Dog Houses

Medium House Paneling

Note: The top of the Front & Rear panels are beveled to match this angel



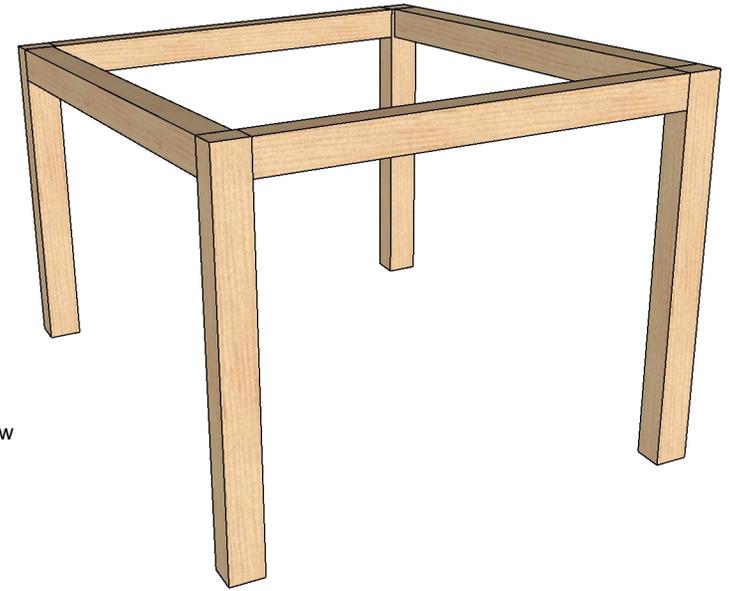
These panels are laid out as if the walls were folded out flat on the ground. The names of each panel show the proper orientation from top to bottom. The thin rectangles show the placement of the various frame pieces. Details of the framing is on a separate page. Dimensions between the left & right sides are the same, thus they are not repeated.

This matches the approximate thickness of the OSB panel



Dog Houses

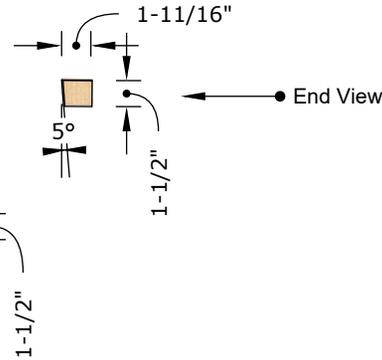
Medium House Framing



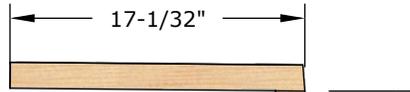
Front View of rear roof cleat. Front is a mirror of this.



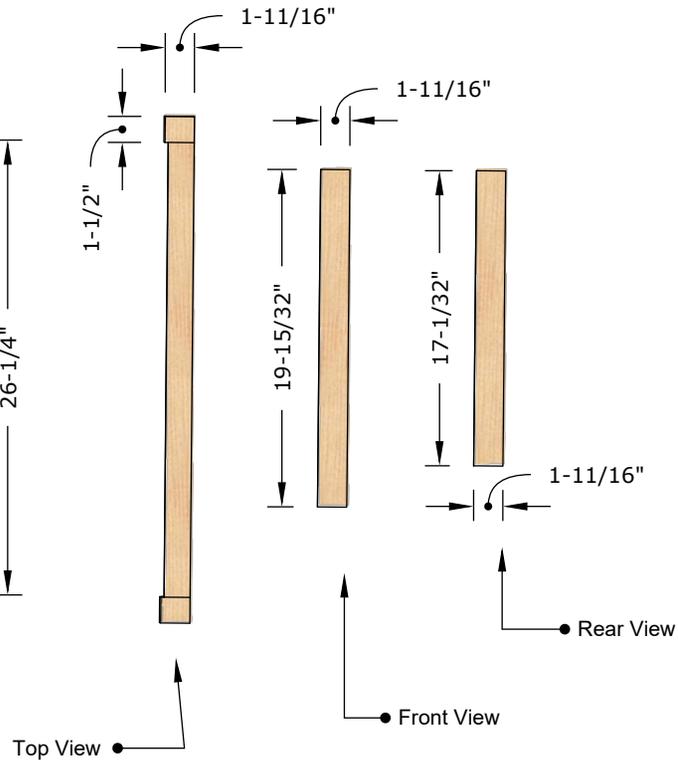
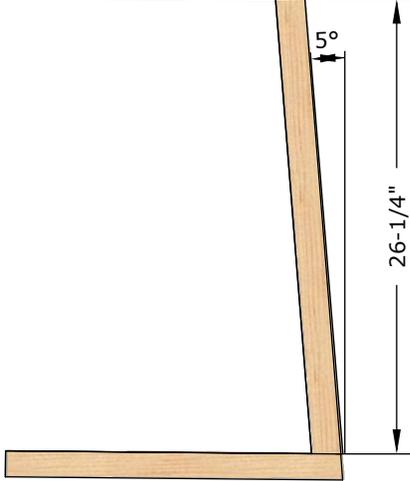
Top View



Bevel the tops of the front & rear verticals to match the roof 5° slope



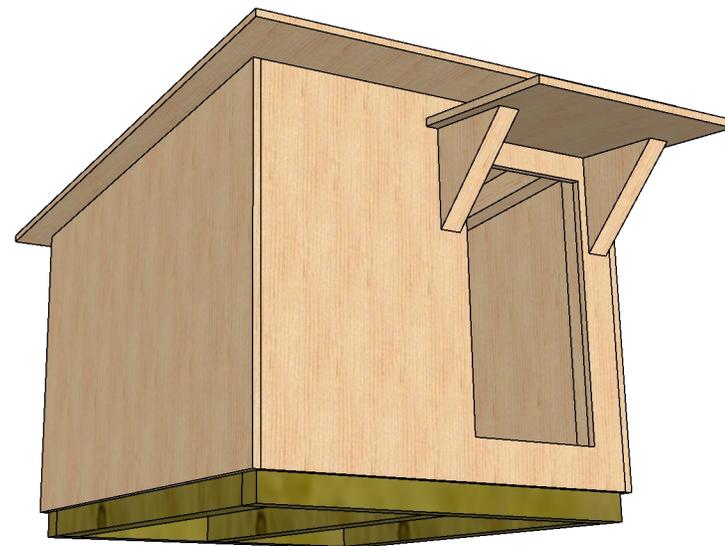
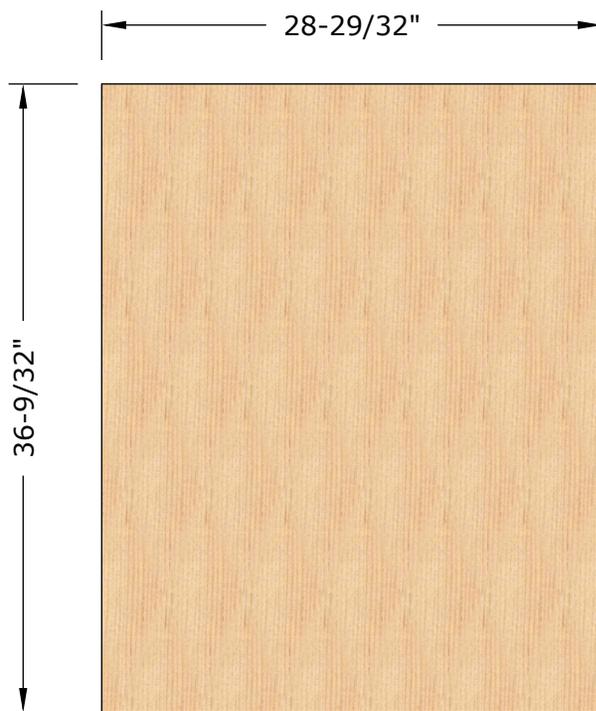
Side View of right corner and roof cleats. The left side is a mirror of this.





Dog Houses

Medium House Roof

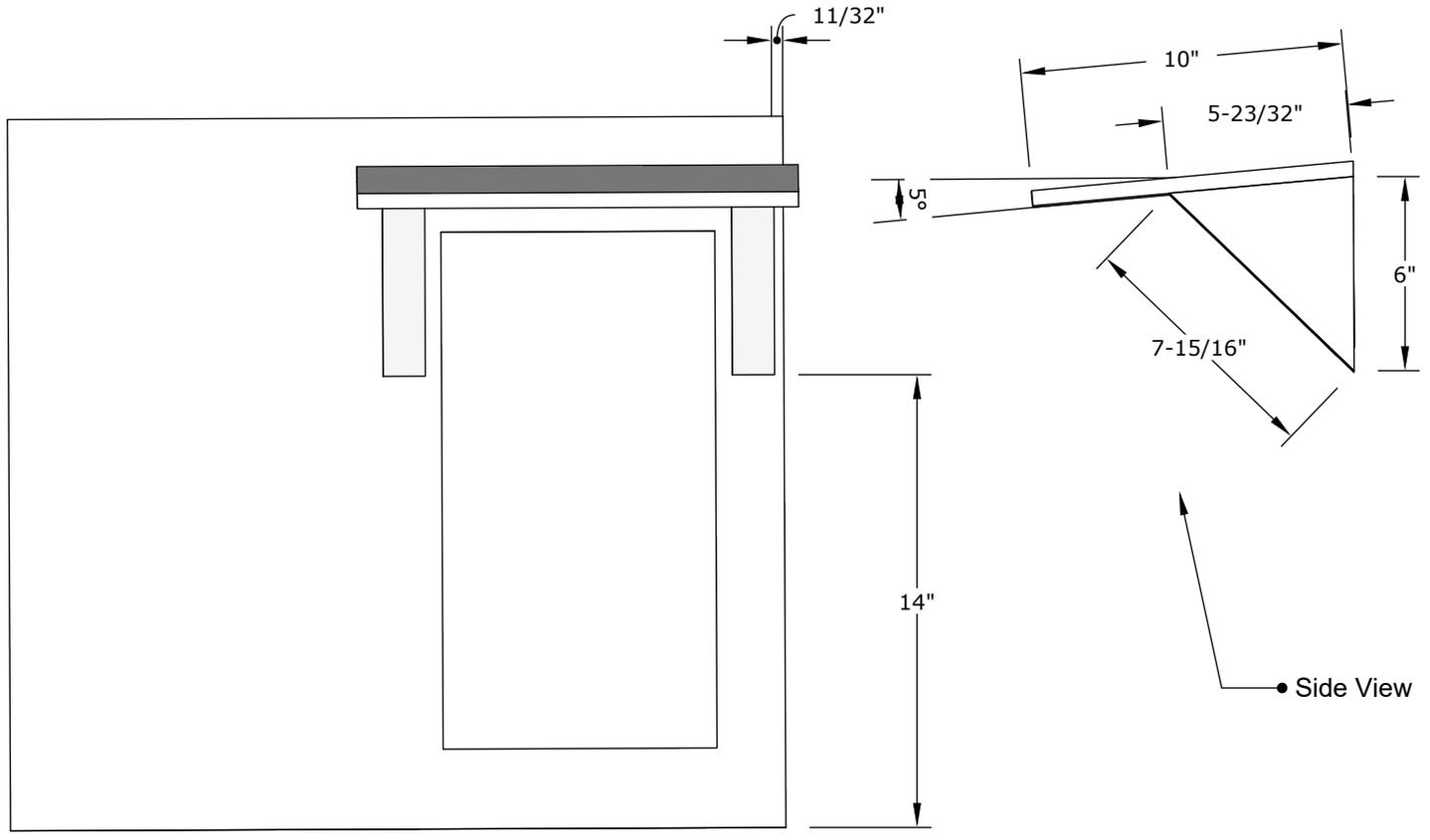


Note: The roof overhangs the front by 4" and the sides and back by 2"



Dog Houses

Medium House Porch



• Front View with front panel (no side)

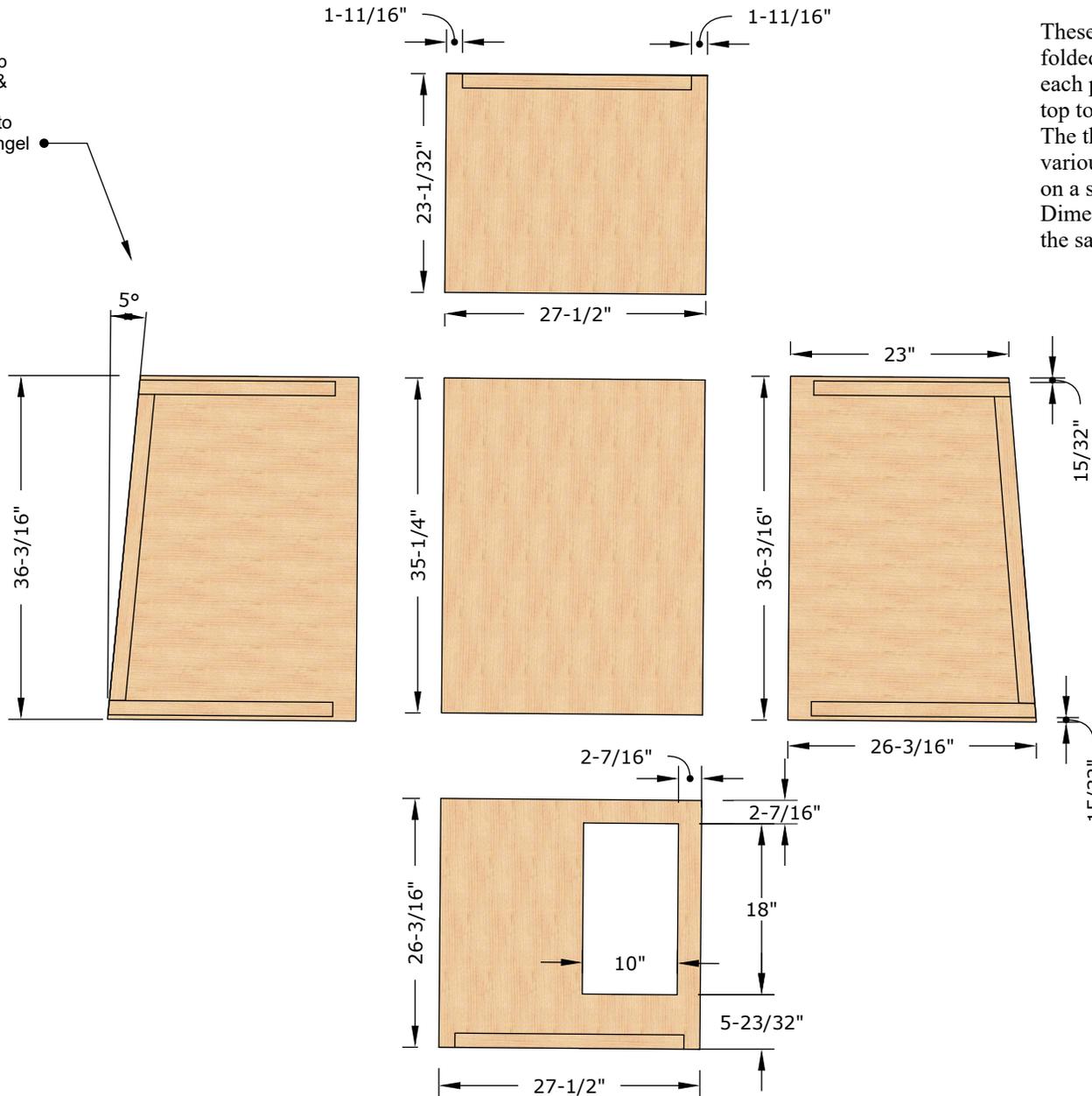
• Side View



Dog Houses

Large House Paneling

Note: The top of the Front & Rear panels are beveled to match this angle



These panels are laid out as if the walls were folded out flat on the ground. The names of each panel show the proper orientation from top to bottom.

The thin rectangles show the placement of the various frame pieces. Details of the framing is on a separate page.

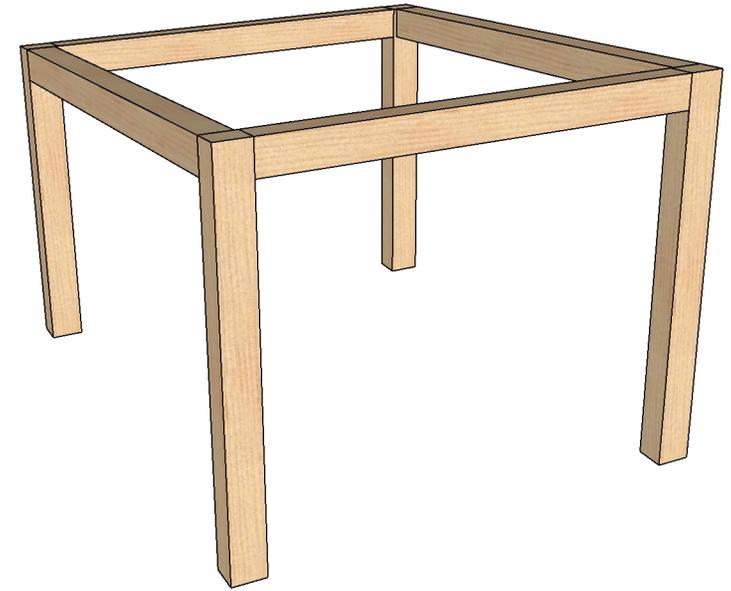
Dimensions between the left & right sides are the same, thus they are not repeated.

This matches the approximate width of the OSB panel

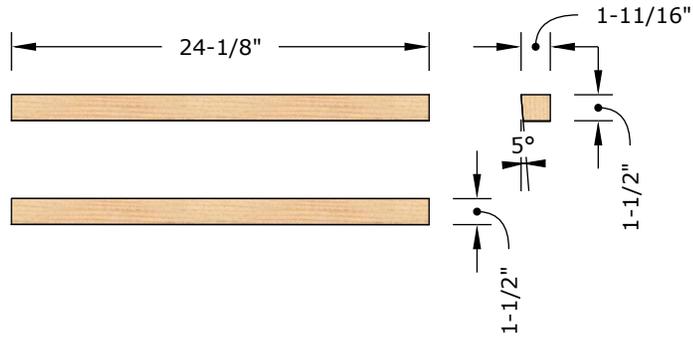


Dog Houses

Large House Framing

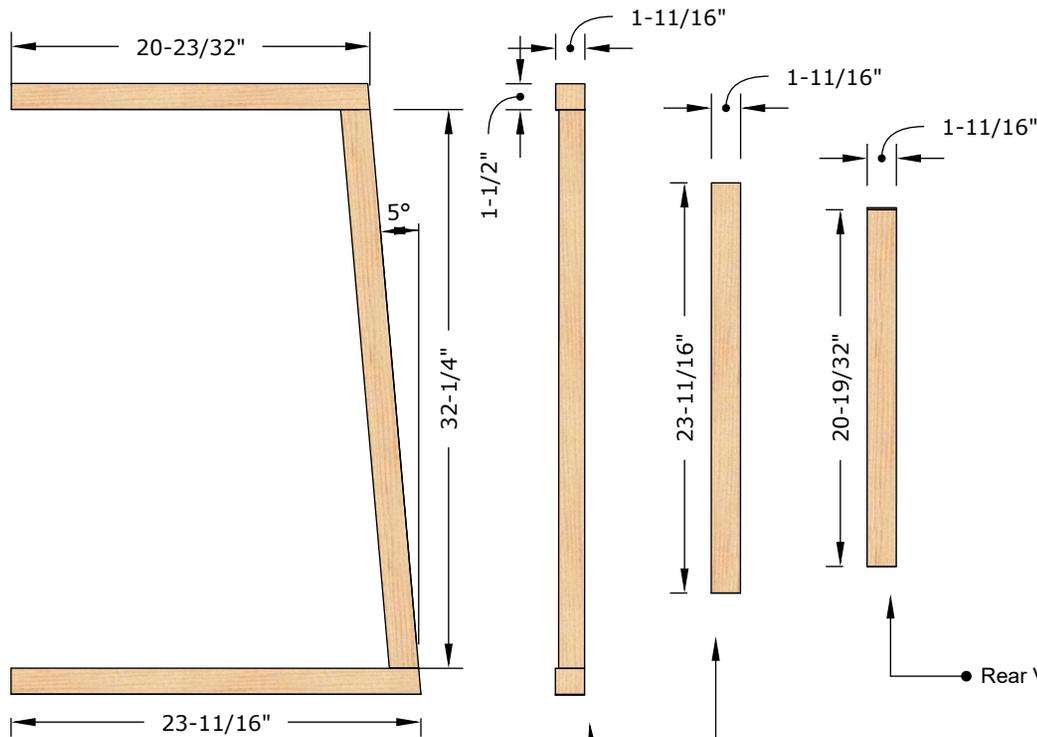


Front View of rear roof cleat. Front is a mirror of this.



Top View

Bevel the tops of the front & rear verticals to match the roof 5° slope



Side View of right corner and roof cleats. The left side is a mirror of this.

23-11/16"

Top View

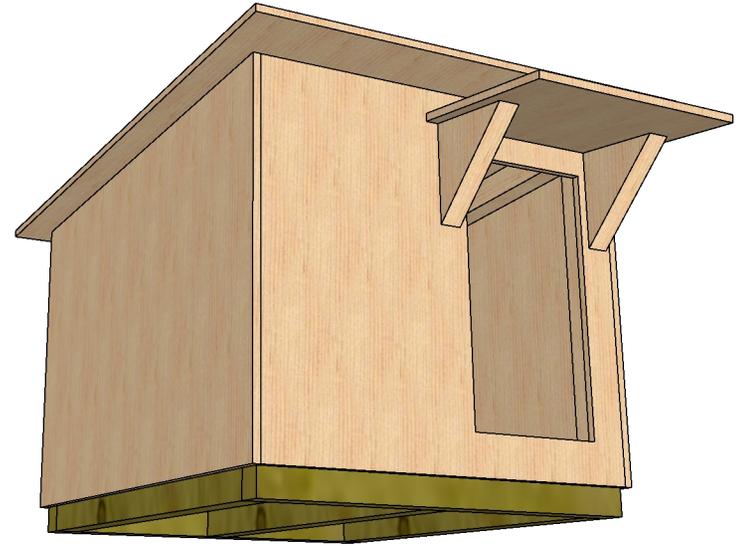
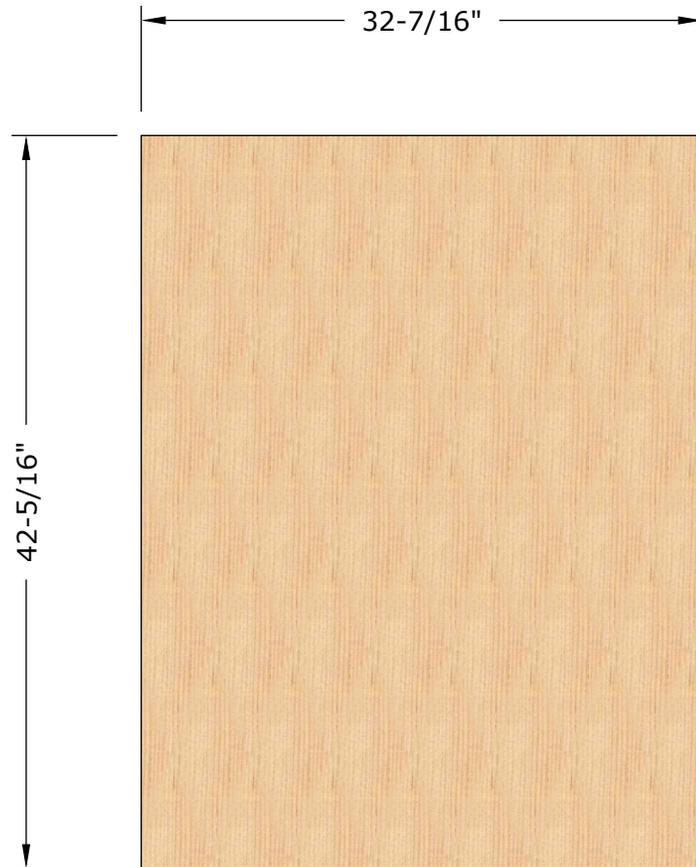
Front View

Rear View



Dog Houses

Large House Roof

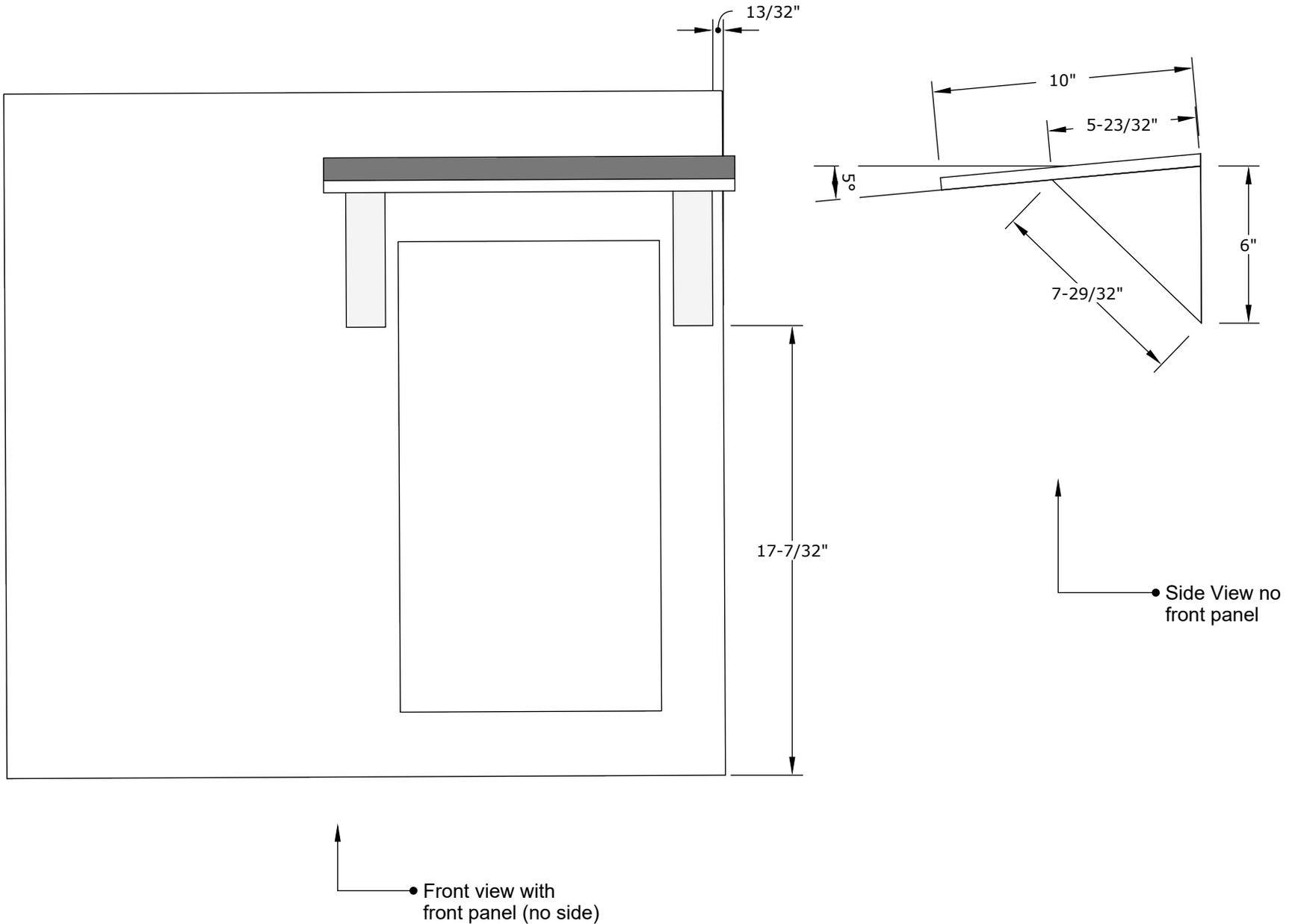


Note: The roof overhangs the front by 4" and the sides and back by 2"



Dog Houses

Large House Porch





Dog Houses

Large & Medium Bases

These base frames are constructed from 2X4 pressure treated lumber and the finished size must fit within the walls of the houses.

