

- I tried my best to make this presentation which includes the SketchUp drawings, power point, and YouTube videos as detailed and comprehensive as possible for anyone wishing to build one of these.
- I understand that we all interpret information differently and questions might arise from those differences. Feel free to email me with any questions regarding this build at honeybadgerwoodworksllc@gmail.com
- If you are watching the accompanying YouTube how-to videos that go with this build I want to point out that in my shop I try to use what I have lying around, so if I have lumber that is a ¼ too small for example but it would work for the raised panel I still used it. In which case you might notice a few dimensions in the videos are different then the plans. Unless otherwise noted the dimensions in the plans thwart the dimensions in the videos.
- These dimensions are based on materials purchased in my geographic location, measured out with my tape measure, and cut with my calibrated tools. Please take that into consideration when building with any of these plans. The plywood I get might be a 1/32 thinner then the plywood you get. It would be impossible to account for all these minor discrepancies in these plans. But, it is important to be aware of them before you begin and make necessary adjustments.
- Lastly, the most important lesson in all of these plans will be the importance of squareness when building. I make sure all my pieces are square before moving onto the next step. Little pieces out of square compounded through 10 steps will throw off all your dimensions down the line and none of these measurements will line up.
- That is why I can not encourage you enough to avoid getting the cut list and trimming everything down to size as the first step. Cut things as you go and make adjustments if need be. I provide a rough outline of the steps I took to build this and interjecting the spots where I trimmed pieces to be able to make minor adjustments for differing sizes in stock, and discrepancies in squareness of objects.

DIY DOG CASKET

DISCLAIMER : BORING STUFF THAT COULD SAVE YOU A HEADACHE



It goes without saying you can build this project anyway you wish, I am including a rough layout of the steps I took to completion.

1. **Cut All Four Sides To Length, Width, and Depth** : Starting with square $\frac{3}{4}$ inch material will make this process the easiest. I left my pieces a hair long to account for the material lost when cutting the 45's (slide 6 & 7)
2. **Cut The Bottom Side Dado** : Dado will hold the base, the dado starts $\frac{1}{2}$ inch from the bottom, is a $\frac{1}{2}$ dado, and is $\frac{3}{8}$ deep
3. **Cut Base** : Measure for base, making sure to include the depth of the dado on all sides
4. **Cut the 45 Degree Bevels** : I used a miter gauge and my table saw to make all these cuts
5. **Glue Box Together** : Make sure base is in place
6. **Cut Perimeter 45s**: Using the detail dimensions (slide 9) mark the perimeter with where to cut the 45s and make all the cuts.
7. **Cut the Styles And Rails** : Cut based on length, width, and depth. (slide 10) I always cut my styles to exact length and leave the rails long to trim down later.
8. **Add Groove** : Add the centered $\frac{1}{4}$ groove on one side of all the style and rail pieces
9. **Trim Rails/Cut Tongue** : Trim the Rails to final size and measure and cut the tongue on both sides of rail
10. **Assemble Top Frame**: Square up the top frame measuring diagonals. Once square measure inside dimensions to cut raised panel. Make sure to add in the depth of the groove on all sides when measuring for panel.

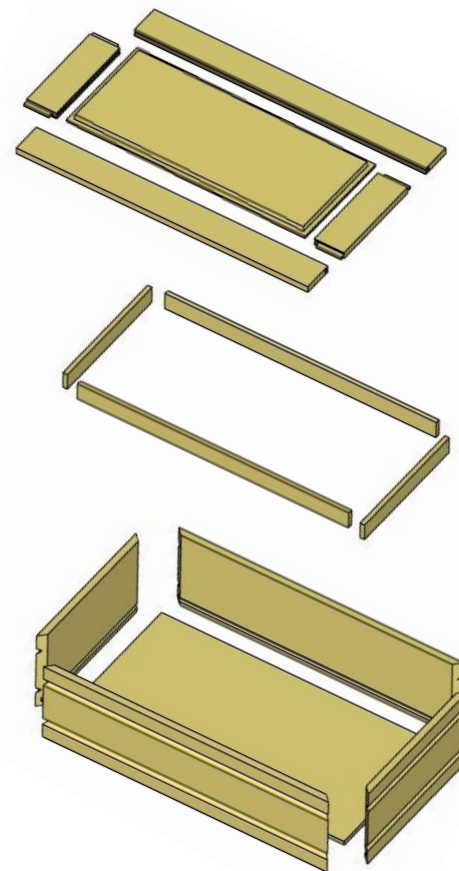
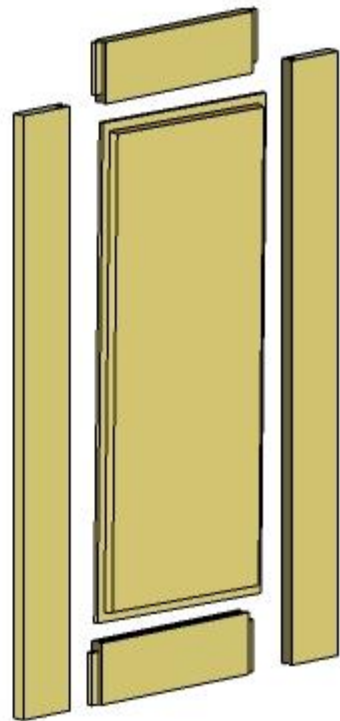
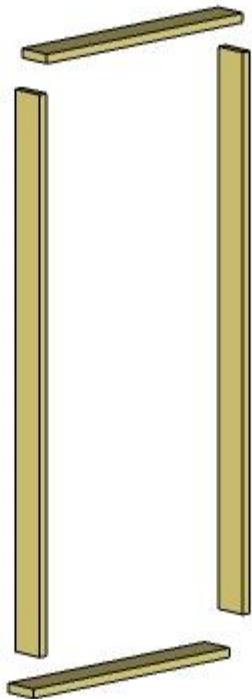
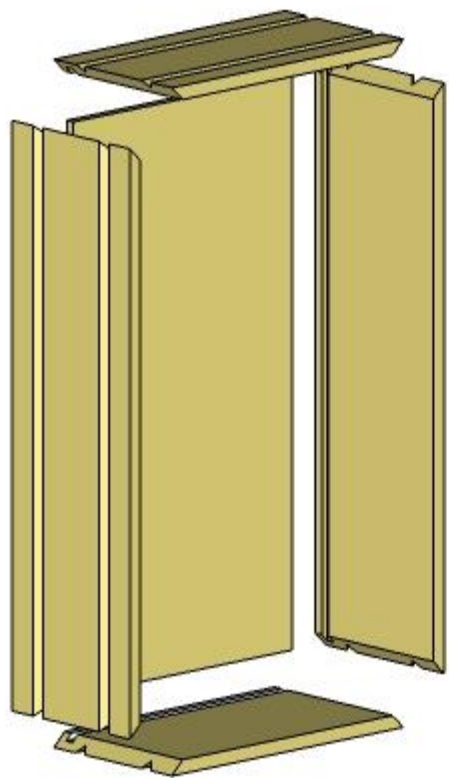


11. **Cut Raised Panel** : Cut raised panel to proper Length, Width, and Depth
12. **Cut Bevel On Panel**: Cut 10 degree bevel on perimeter of raised panel
13. **Glue Top** : Glue top together with raised panel in place. Check diagonals for square
14. **Measure And Cut Inner Lid Pieces** : Cut lumber down to Length, Width, Depth for inner frame pieces.
15. **Glue Inner Lid**: Glue the inner lid together, let dry in place in the box to make sure it conforms to the inner frame of the box. This piece should be a slightly loose fit.
16. **Glue Inner Lid to Top**: Once dry glue inner lid to the bottom of the casket top with an equal offset around the perimeter
17. **Sand and Finish Casket** :

18. **Youtube Links**:

- Part One : <https://youtu.be/9316E3TE37Q>
- Part Two : <https://youtu.be/x-QMsiQ6ACI>

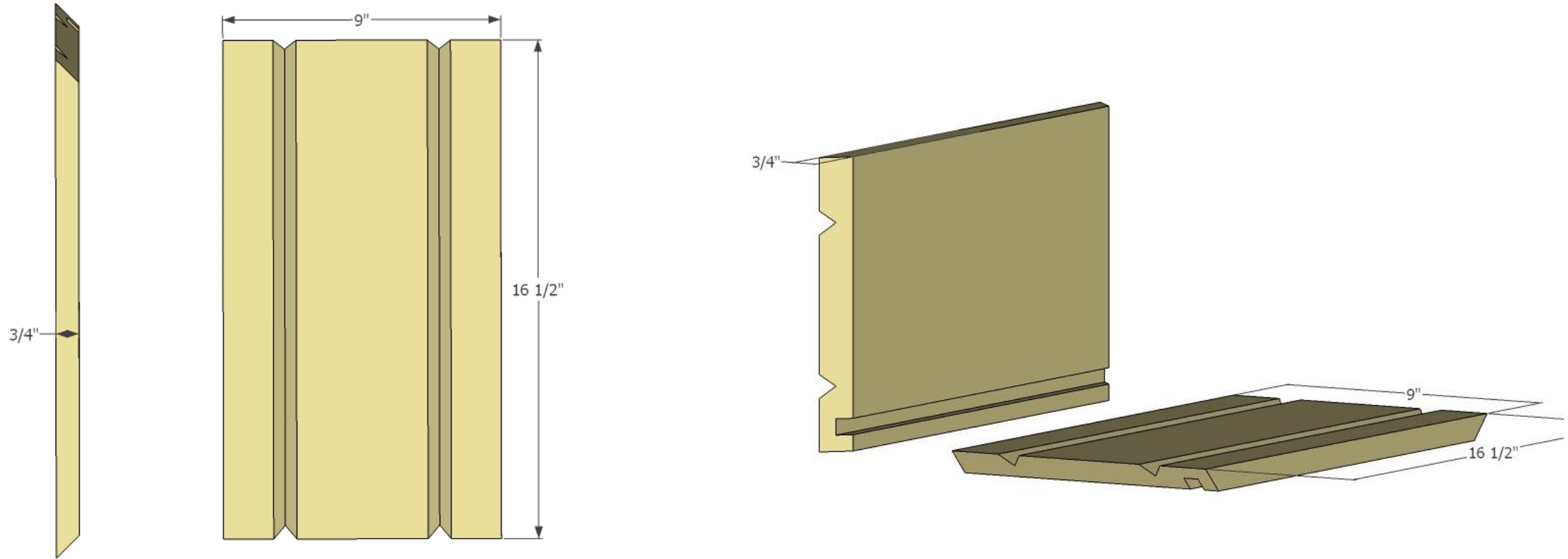




DIY DOG CASKET

EXPLODED VIEW

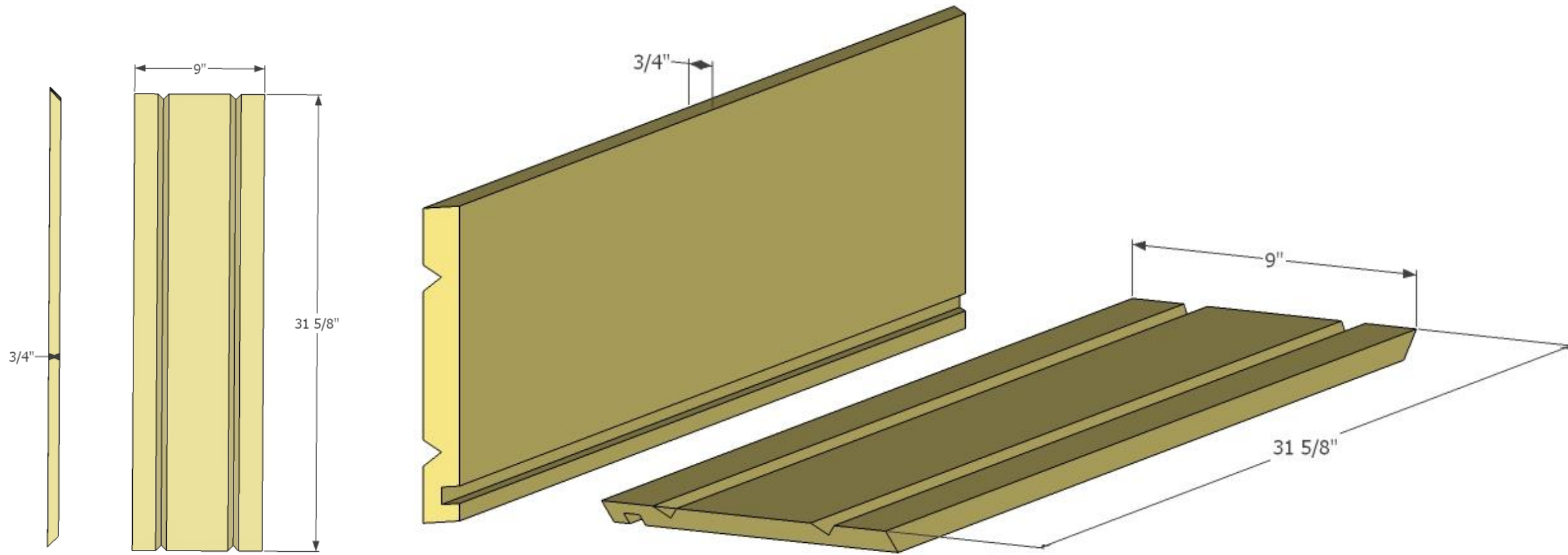




DIY DOG CASKET

DIMENSIONS FOR SHORT SIDE OF CASKET

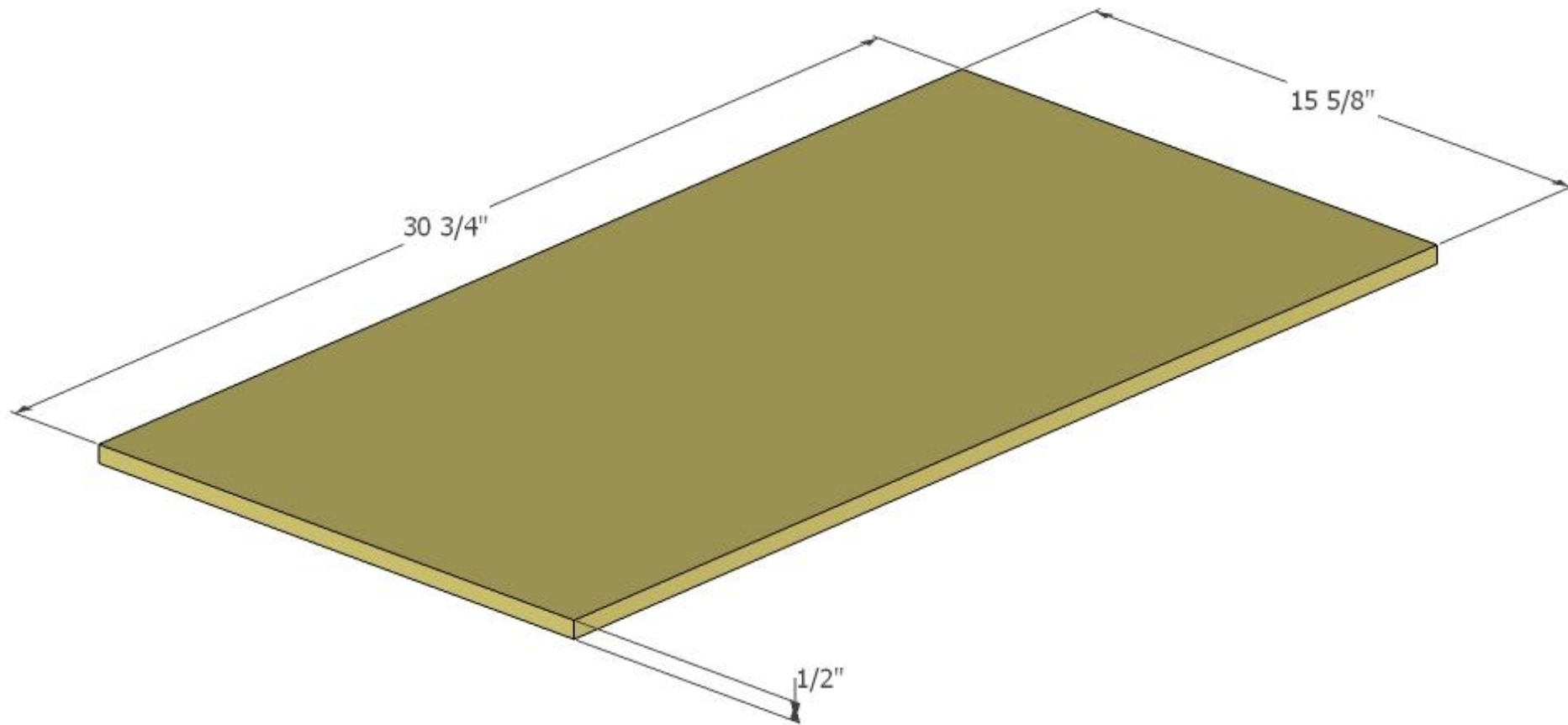




DIY DOG CASKET

DIMENSIONS FOR LONG SIDE OF CASKET





DIY DOG CASKET

DIMENSIONS FOR CASKET BASE

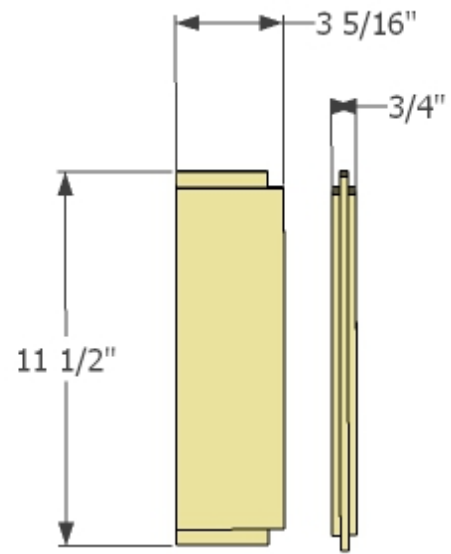
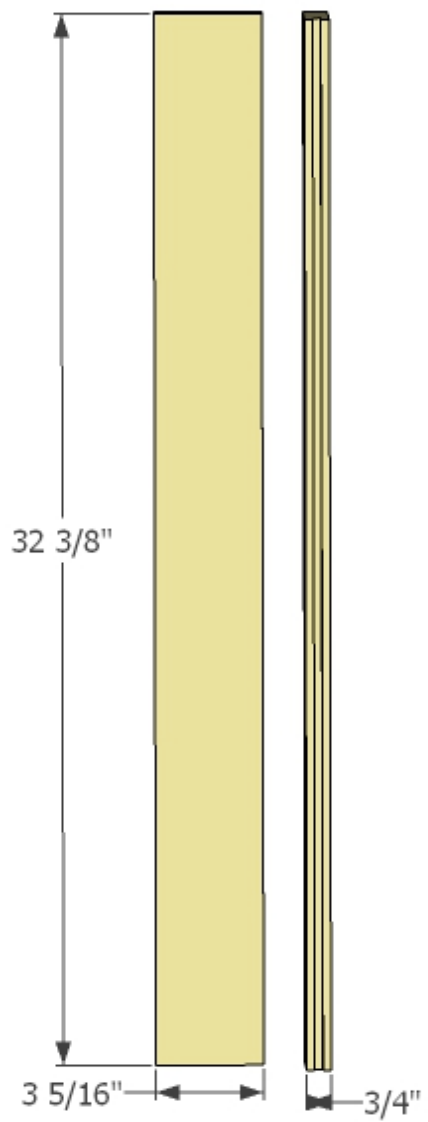




DIY DOG CASKET

DETAIL DIMENSIONS FOR SIDES OF CASKET
 DADO FOR BASE
 TOP AND BOTTOM 45 DEGREE DETAIL

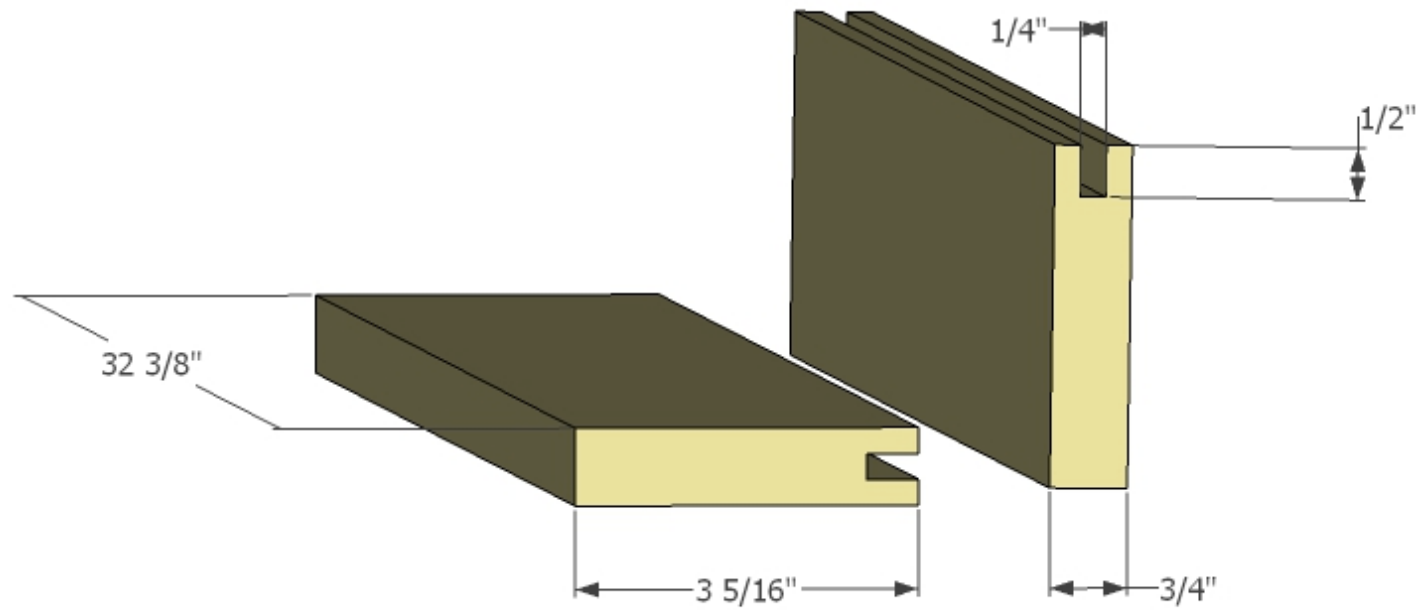




DIY DOG CASKET

DIMENSIONS OF TOP STYLES AND RAILS

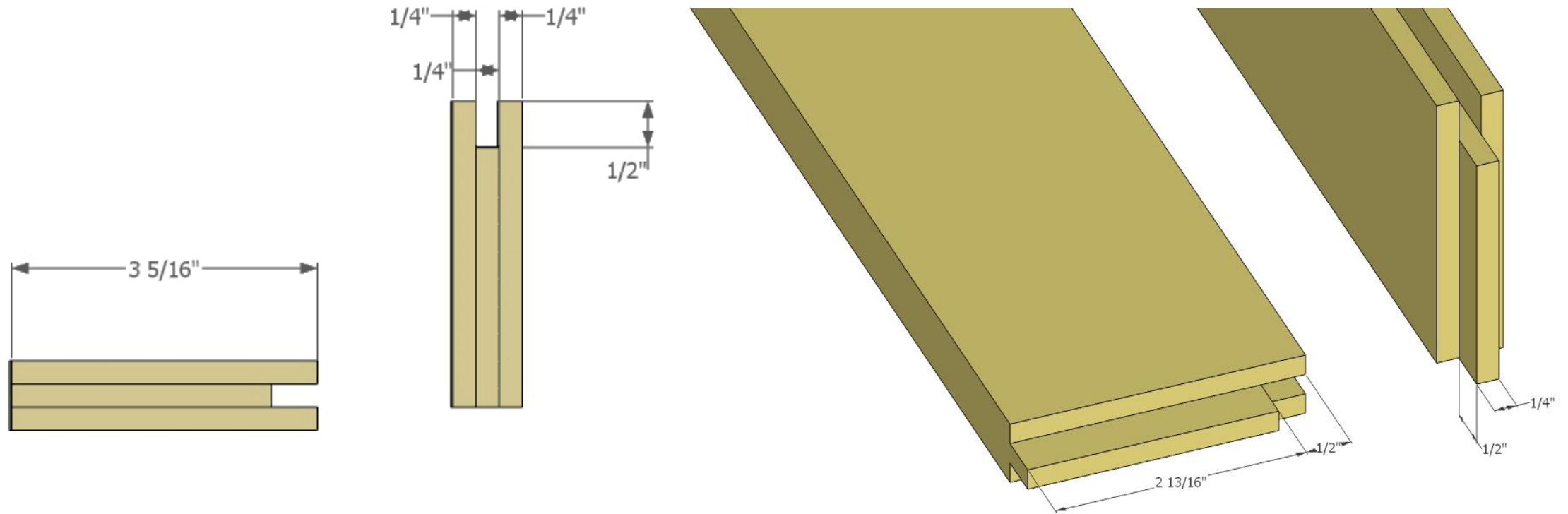




DIY DOG CASKET

DETAIL DIMENSIONS OF STYLES
MEASUREMENTS OF GROOVE WIDTH AND DEPTH

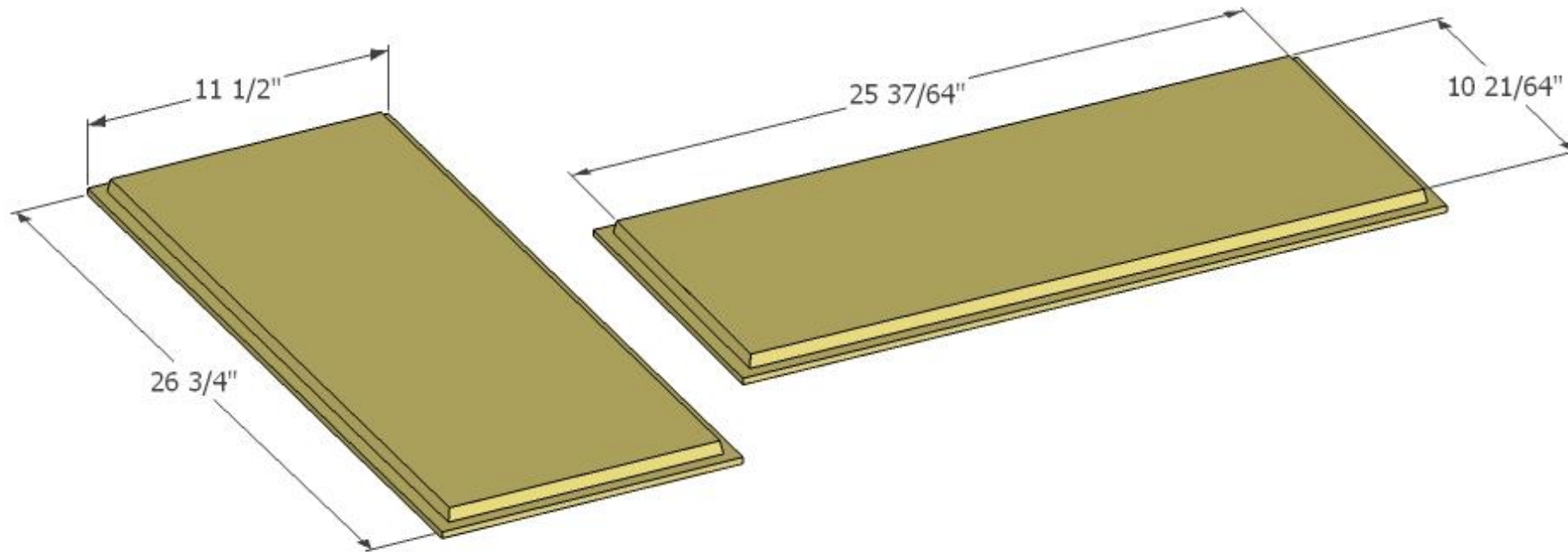




DIY DOG CASKET

DETAIL DIMENSIONS OF RAILS
 WIDTH AND DEPTH OF GROOVE
 DIMENSIONS FOR TONGUE

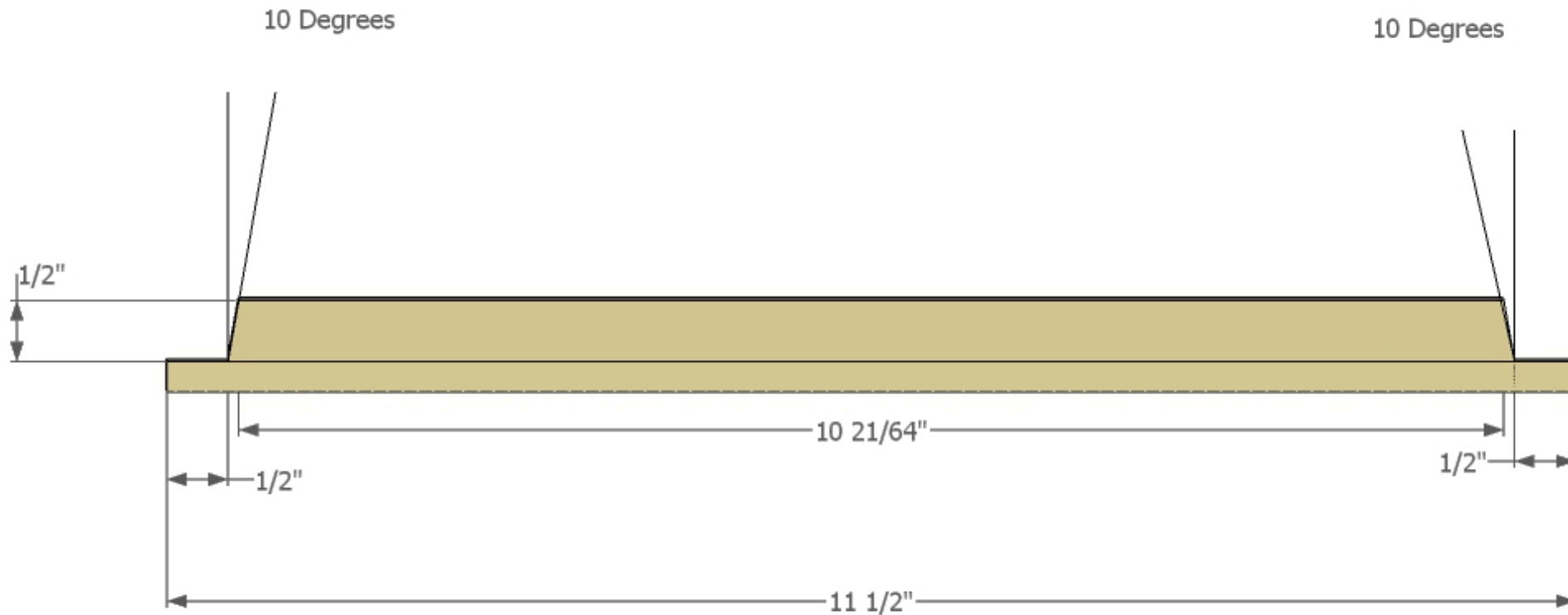




DIY DOG CASKET

DIMENSIONS OF RAISED PANEL

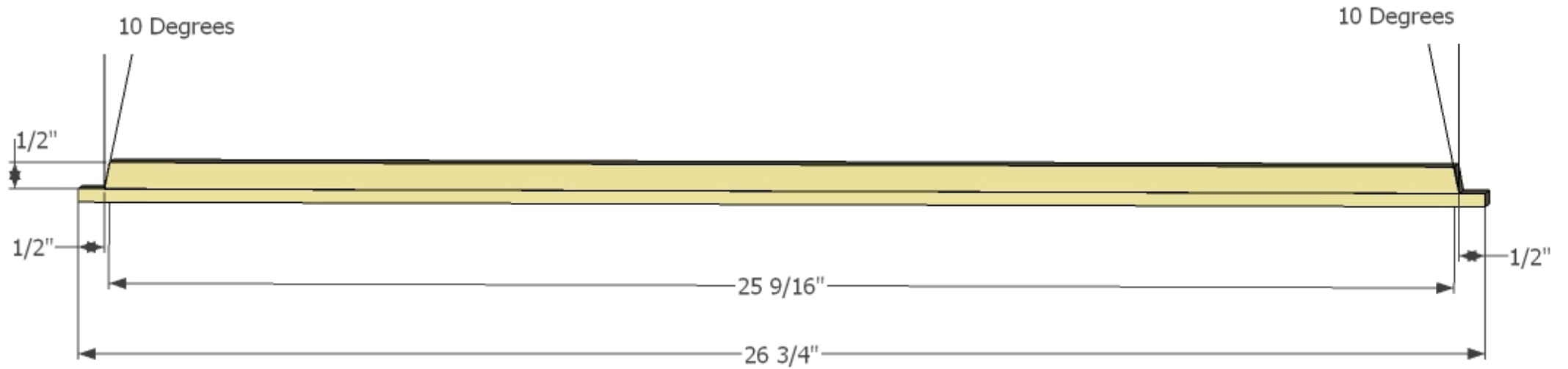




DIY DOG CASKET

DETAIL DIMENSIONS FOR SHORT SIDE OF RAISED PANEL
 RAISED PANEL CUT AT 10 DEGREES

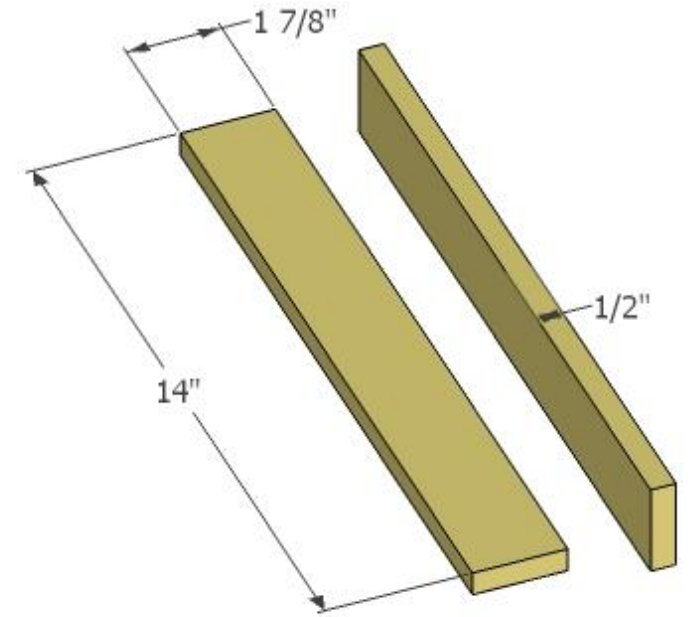
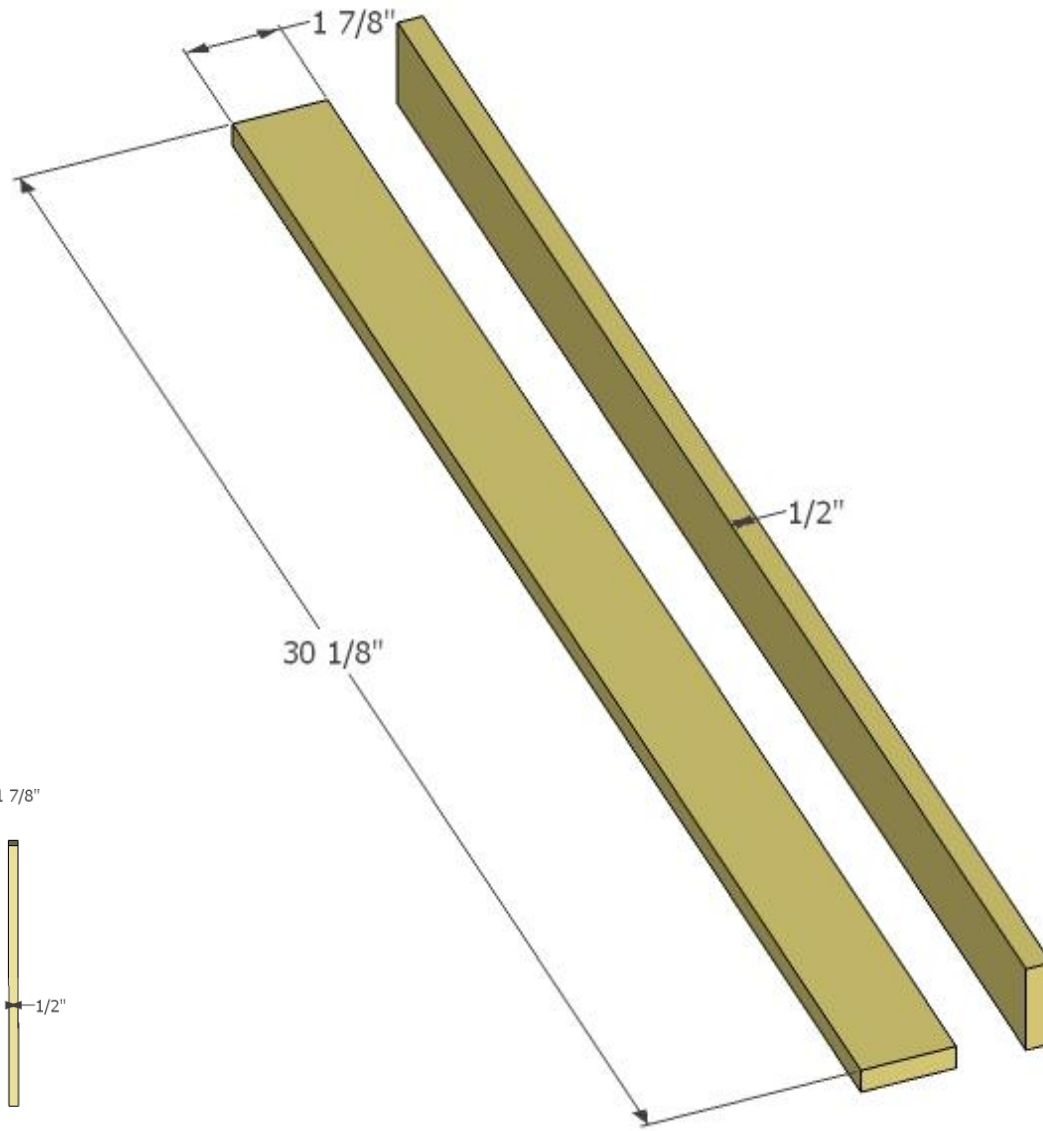
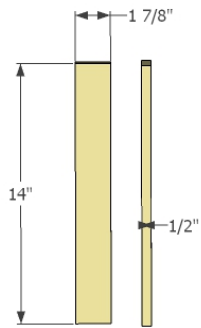
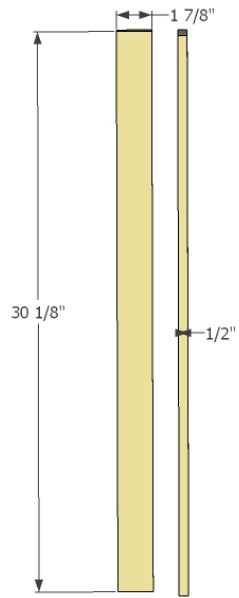




DIY DOG CASKET

DETAIL DIMENSIONS FOR LONG SIDE OF RAISED PANEL
RAISED PANEL CUT AT 10 DEGREES

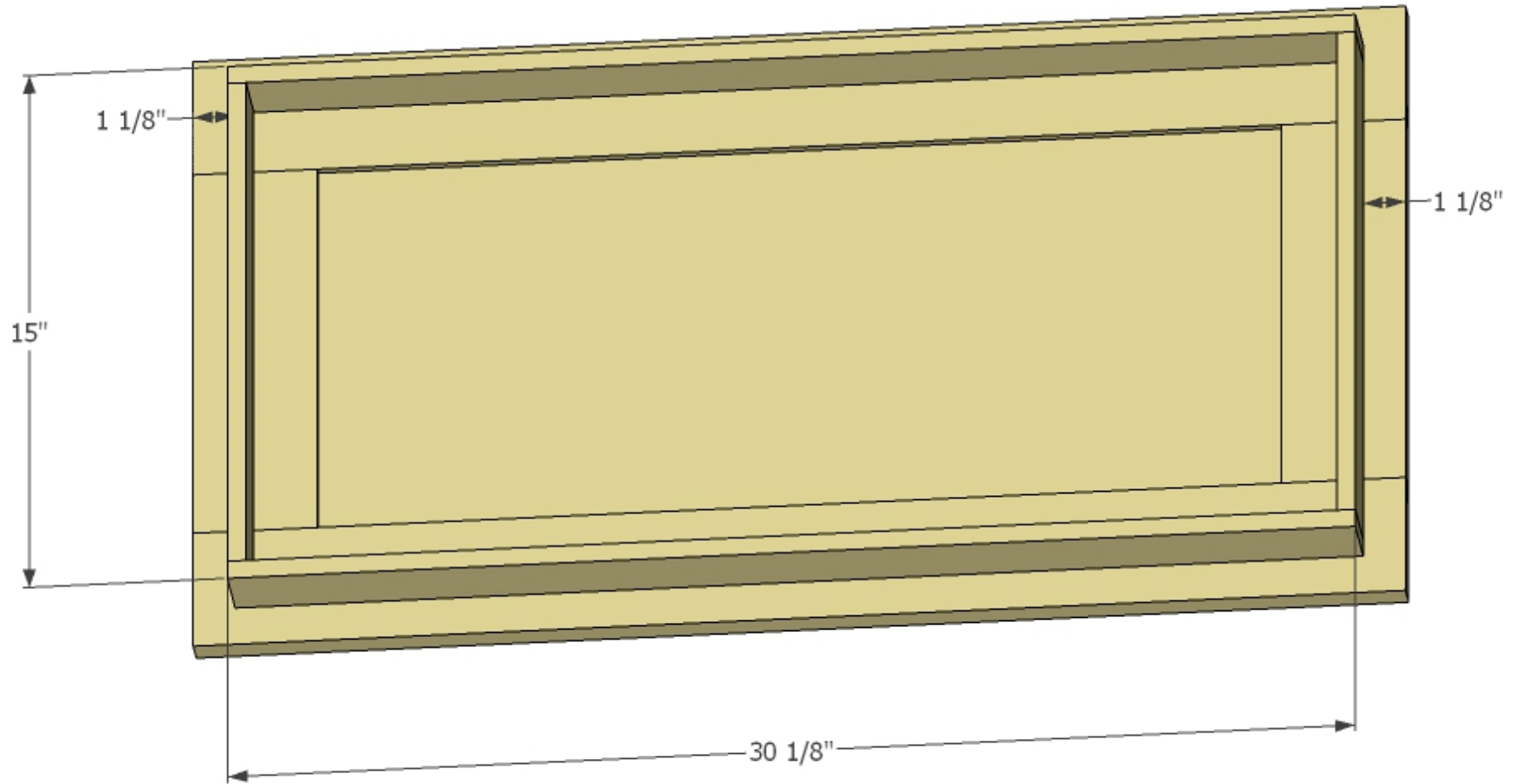




DIY DOG CASKET

DIMENSIONS OF INNER LID FRAME





DIY DOG CASKET

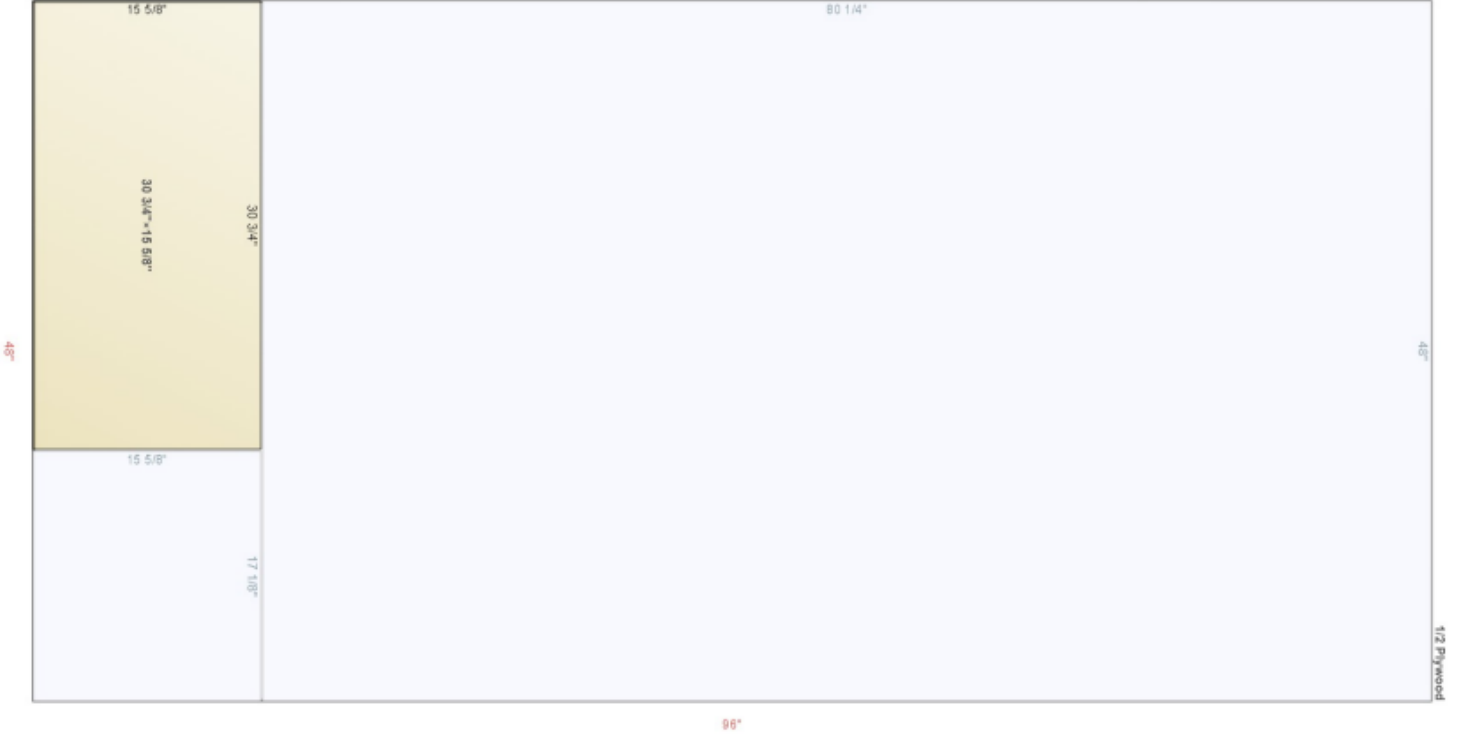
INNER LID DIMENSIONS WITH OFFSET





Cutlist Optimizer

Stock sheet	96" x 48"		
Material	1/2 Plywood		
Used area	480.47 m ² 50%		
Wasted area	4127.53 m ² 50%		
Cuts	2		
Cut length	63.5/8"		
Panels	1		
Wasted panels	2		
Panel	Label	Qty	
1	15 5/8" x 30 3/4"	30 3/4" x 15 5/8"	1
# Panel	Cut	Result	
1	96" x 48"	y=15 5/8" -1 surplus 60	
2	15 5/8" x 48"	x=30 3/4" -30 3/4" x 15 5/8"	



CUT LIST

DIY DOG CASKET

Stock sheet	90" x 11 1/2"
Material	3/4 Solid Pine
Used area	670.61 sq' 61%
Wasted area	433.39 sq' 39%
Cuts	6
Cut length	115.34'
Panels	4
Wasted panels	3

Panel	Label	Qty
16 1/2" x 9"	10 1/2" x 9"	1
26 3/4" x 11 1/2"	26 3/4" x 11 1/2"	1
32 3/8" x 3 5/16"	32 3/8" x 3 5/16"	2

# Panel	Cut	Result
1	90" x 11 1/2"	y=32 3/8" .1
2	32 3/8" x 11 1/2"	x=3 5/16" 32 3/8" x 3
3	32 3/8" x 8 1/16"	x=3 5/16" 32 3/8" x 3
4	63 1/2" x 11 1/2"	y=16 1/2" .1
5	16 1/2" x 11 1/2"	x=9" 16 1/2" x 9
6	46 7/8" x 11 1/2"	y=26 3/4" 26 3/4" x 1



CUT LIST

DIY DOG CASKET

Stock sheet	96" x 11 1/2"
Material	3/4 Solid Pine
Used area	760.94 sq ft 72%
Wasted area	310.06 sq ft 28%
Cuts	7
Cut length	145.718"
Panels	5
Wasted panels	3

Panel	Label	Qty
16 1/2" x 9"	16 1/2" x 9"	1
11 1/2" x 3 5/16"	11 1/2" x 3 5/16"	2
31 5/8" x 9"	31 5/8" x 9"	2

# Panel	Cut	Result
1	96" x 11 1/2"	y=11 1/2" . 1
2	11 1/2" x 11 1/2"	x=3 5/16" 11 1/2" x 3
3	11 1/2" x 8 1/16"	x=3 5/16" 11 1/2" x 3
4	84 3/8" x 11 1/2"	w=9" . 1 surplus 1
5	84 3/8" x 9"	y=31 5/8" 31 5/8" x 9"
6	52 5/8" x 9"	y=31 5/8" 31 5/8" x 9"
7	20 7/8" x 9"	y=16 1/2" 16 1/2" x 9"



11 1/2"



CutList Optimizer

Used stock sheets 4
 Total used area 2110.48 in² 30%
 Total wasted area 4993.52 in² 70%
 Total cuts 20
 Total cut length 426 3/4"
 Cut / blade / kerf thickness 1/8"

Stock sheet	96"x3"
Material	1/2 Solid Pine
Used area	105.47 in ² 57%
Wasted area	122.53 in ² 43%
Cuts	5
Cut length	103 1/2"
Panels	4
Wasted panels	2

Panel	Label	Qty
30 1/8"x1 7/8"	30 1/8"x1 7/8"	2
14"x1 7/8"	14"x1 7/8"	2

# Panel	Cut	Result
1	96"x3"	x=1 7/8" y= surplus 9
2	96"x1 7/8"	y=14" 14"x1 7/8"
3	81 7/8"x1 7/8"	y=14" 14"x1 7/8"
4	67 3/4"x1 7/8"	y=30 1/8" 30 1/8"x1 7/8"
5	37 1/2"x1 7/8"	y=30 1/8" 30 1/8"x1 7/8"



CUT LIST

DIY DOG CASKET