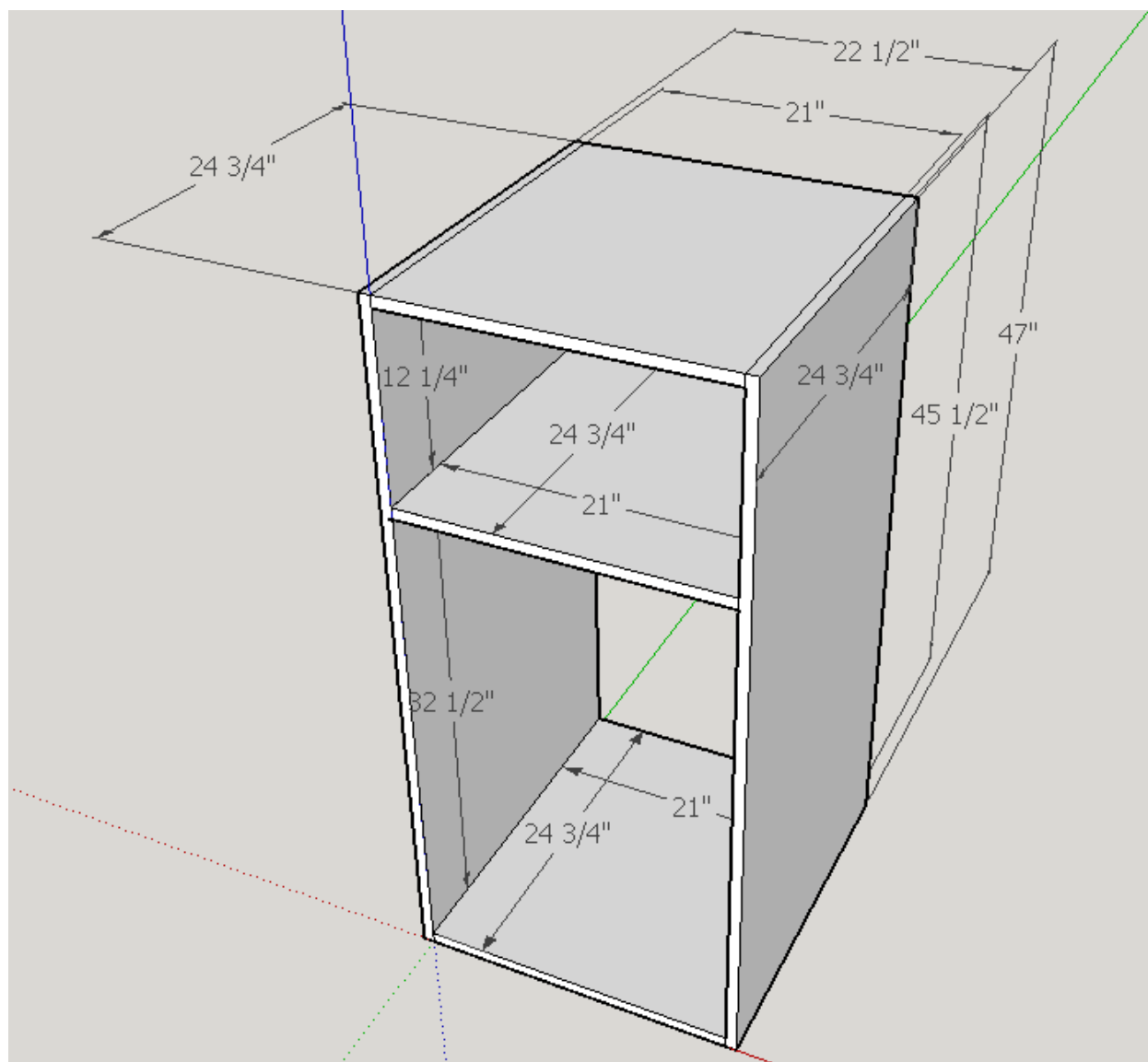
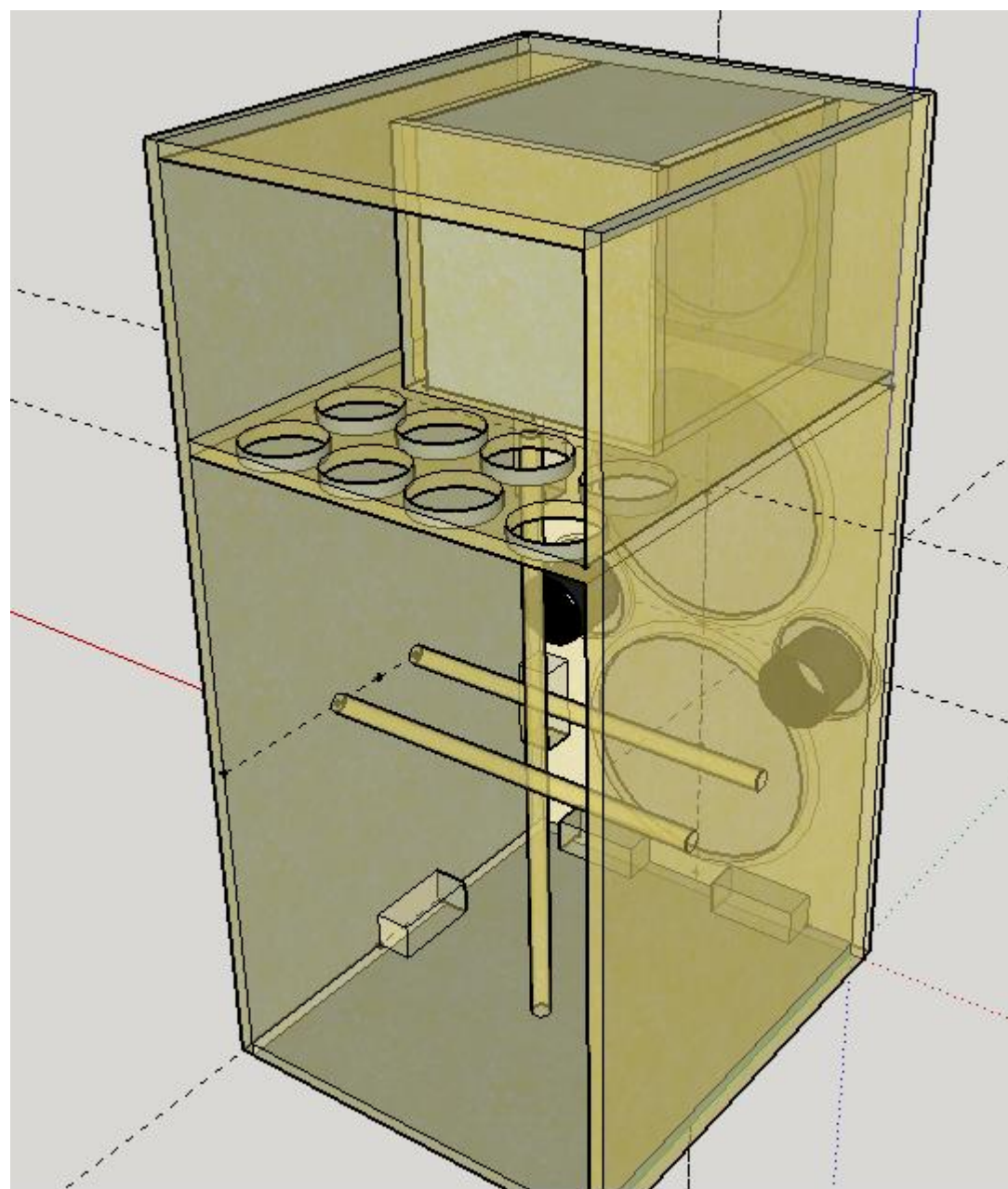
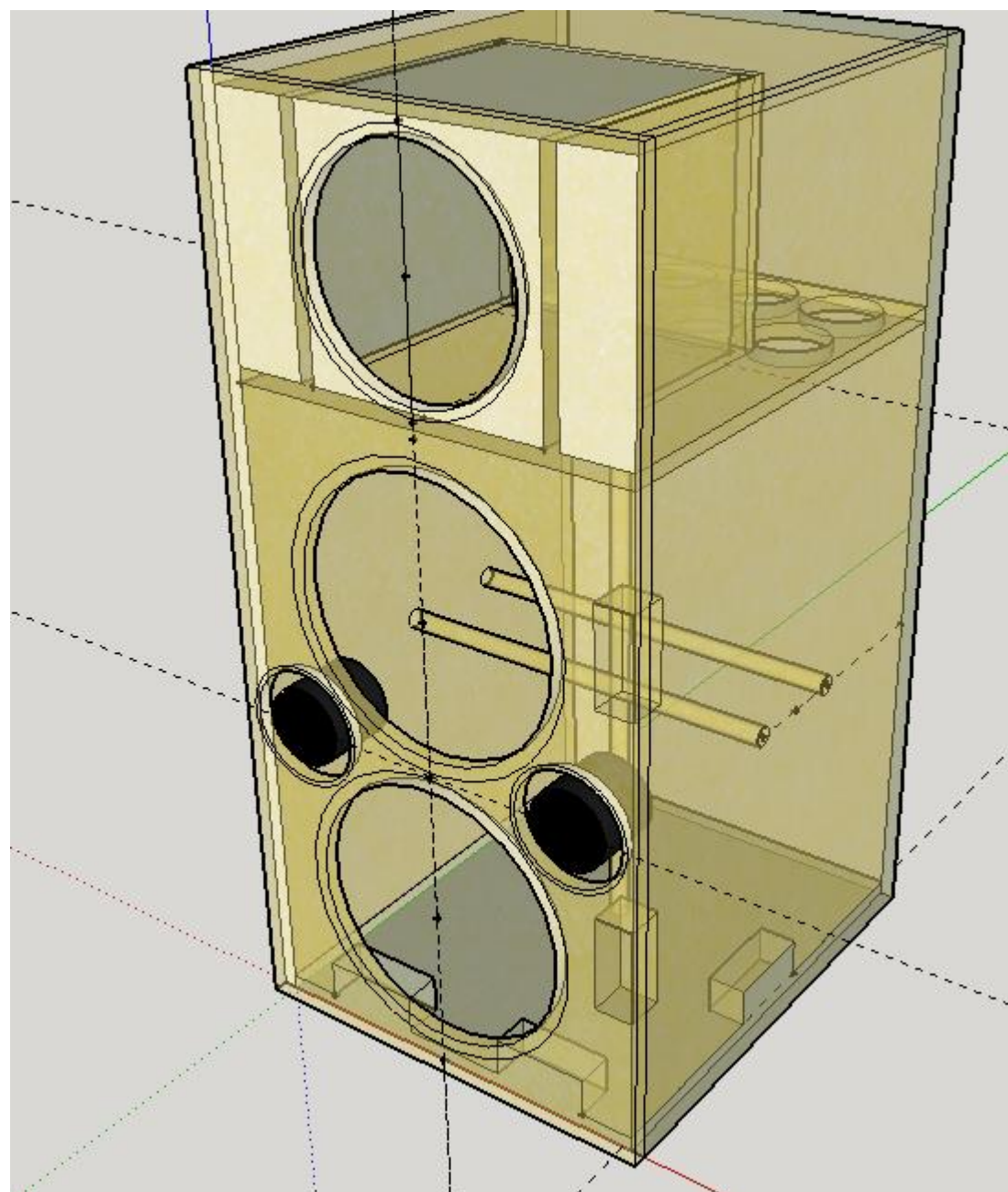
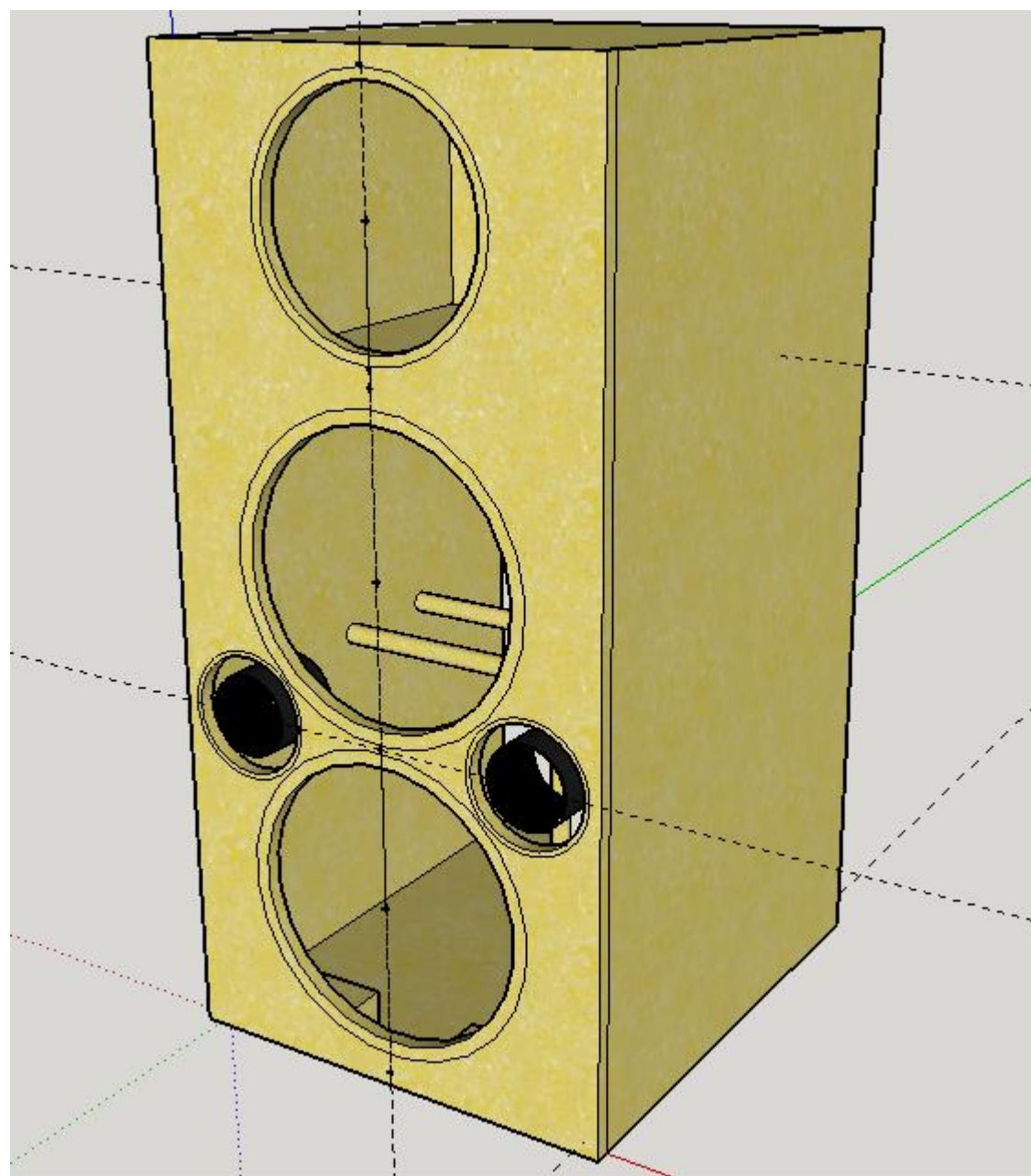


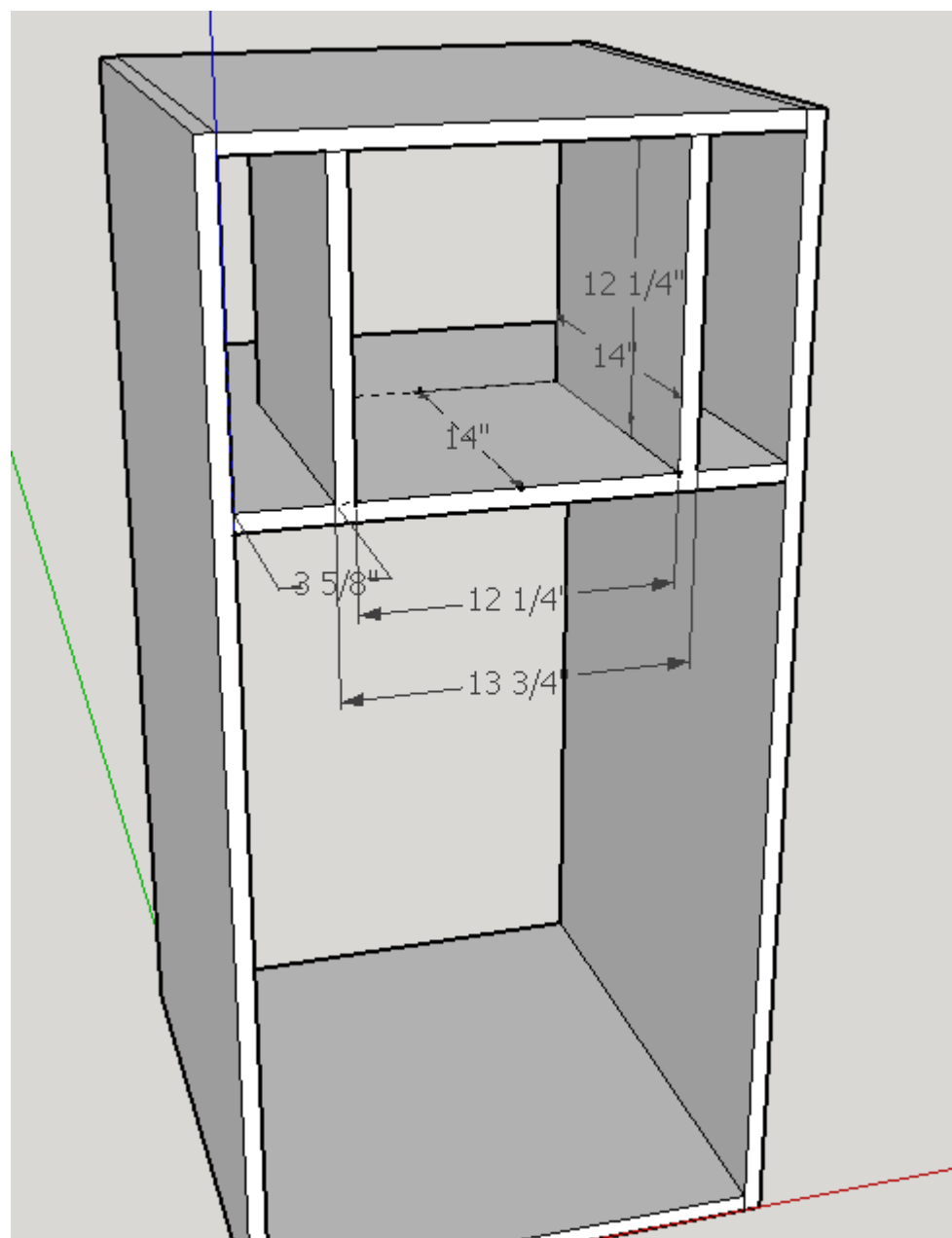
Designed by Alex Soderlund, May 2015. Thanks to DIY Audio Community for sharing their experience, and showing me resources such as Jeff Bagby's Excel Sheet for speaker volumes, and WinISD.

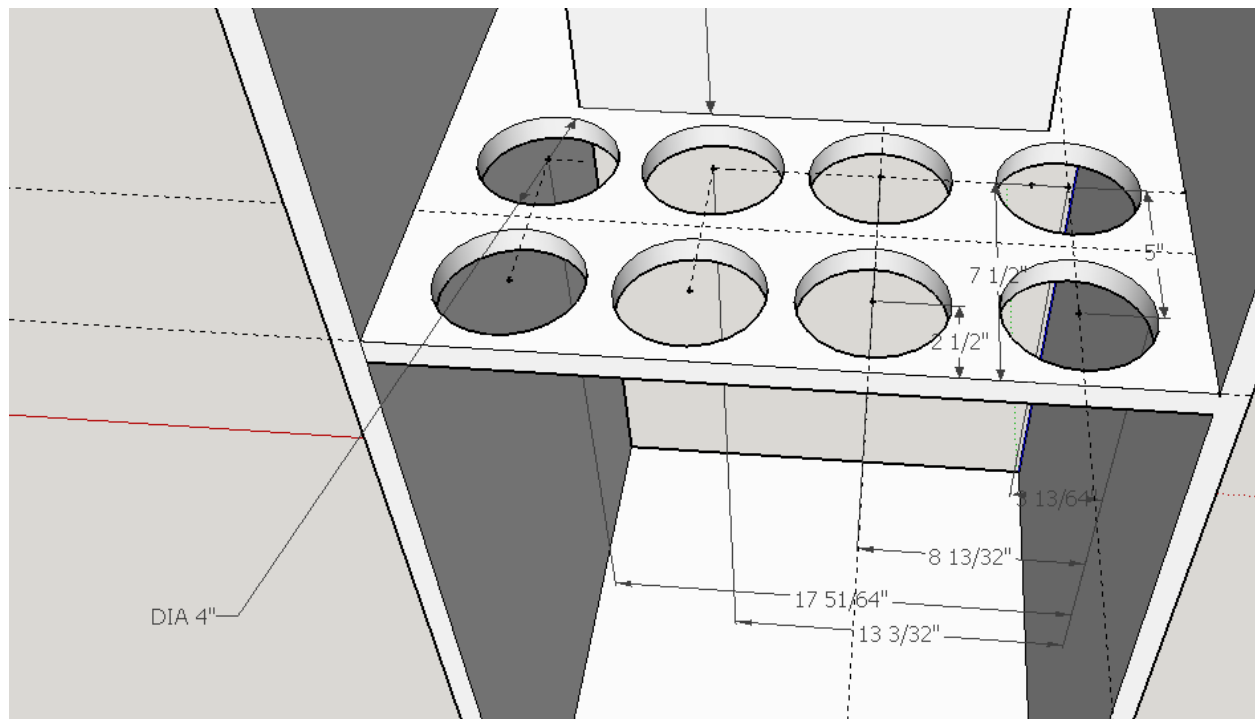


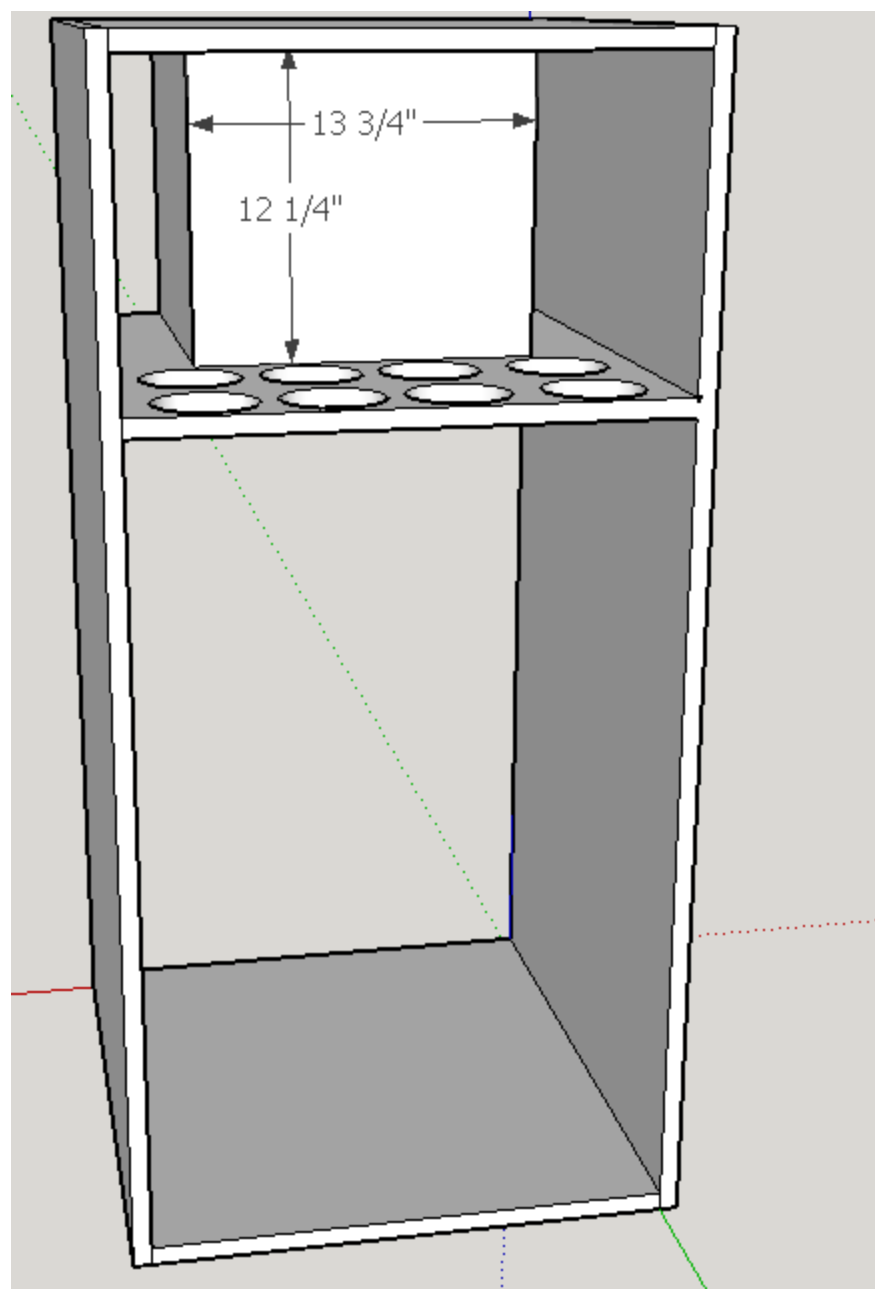






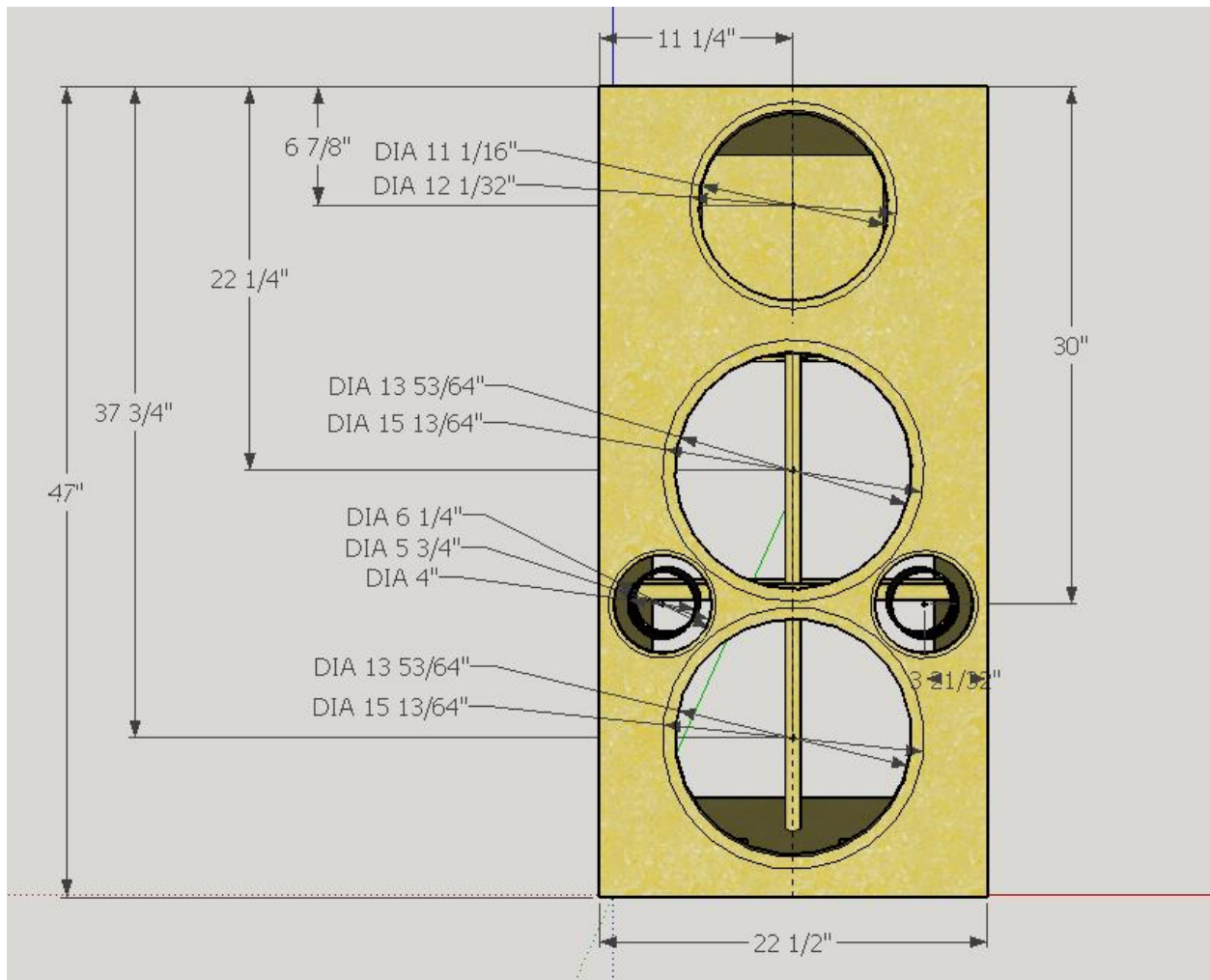








See update below for speaker placement on baffle



**Update:** I changed the placement of the holes in the baffle a little. It was seeming pretty tight, and I was afraid that the baskets would run into the wall of the midrange cabinet. With drivers in hand, I measured on the wood. Measure down from the top for these centerlines:

Mid driver 17.4cm

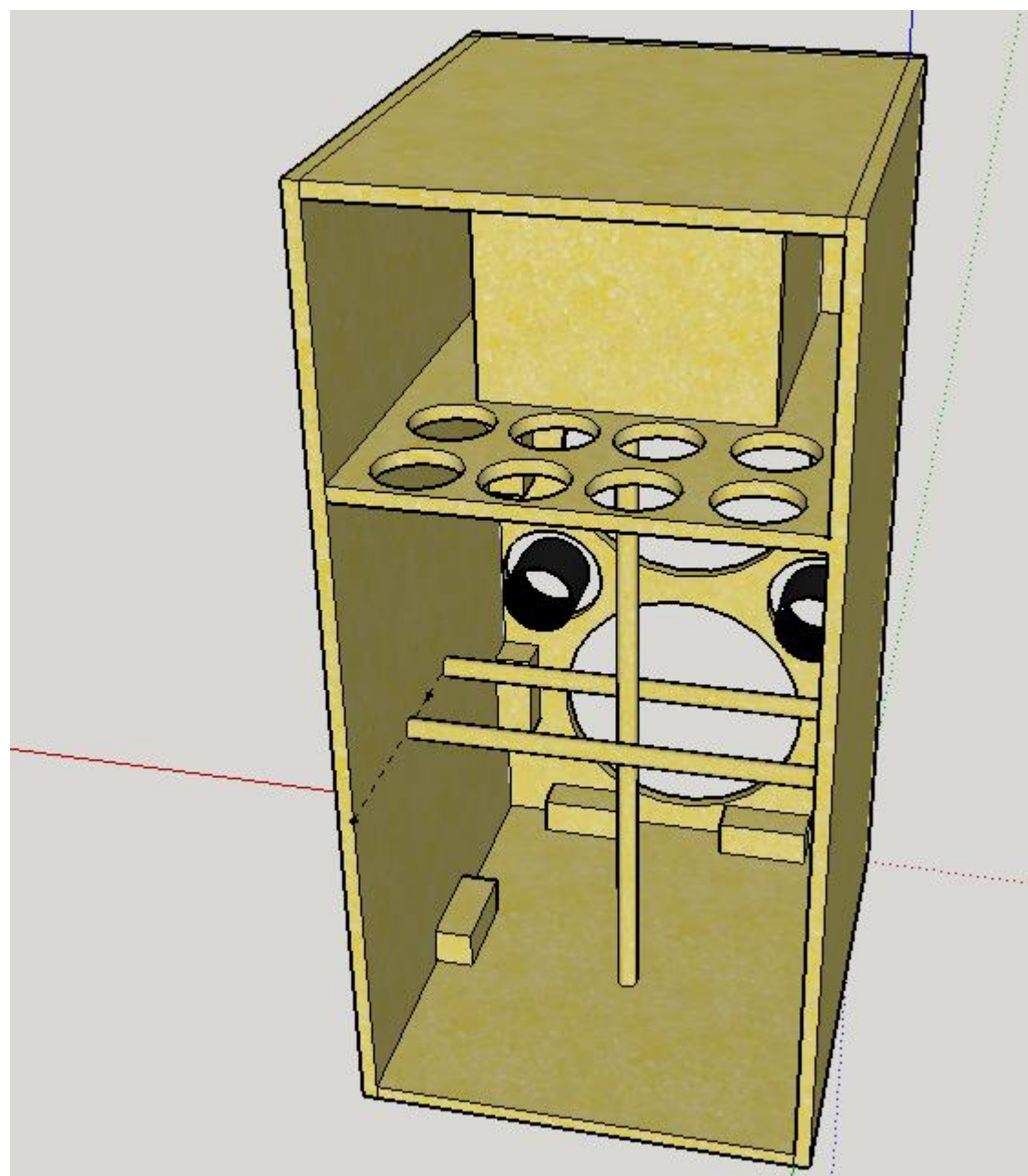
Bass driver 1 55.3cm

Bass driver 2 99.7cm

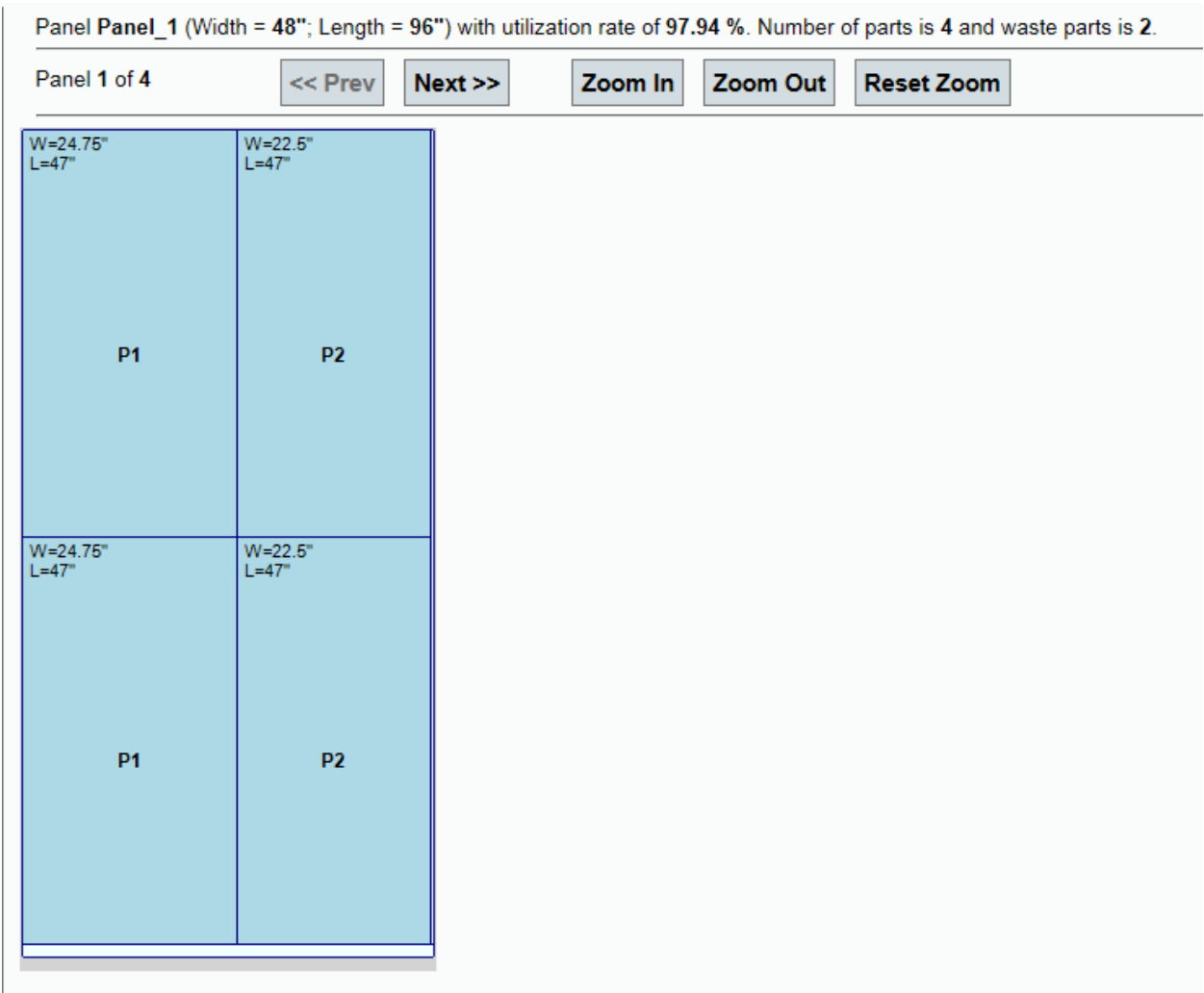
Port tubes 76.4cm

Also, I think the diameters seemed a little small. Draw circles around the speakers on the baffle, then adjust your router so the bit touches the line. I would not advise cutting the holes until after you have the speakers in hand.





Following: Cut sheet for this box:



Panel Panel\_1 (Width = 48"; Length = 96") with utilization rate of 97.94 %. Number of parts is 4 and waste parts is 2.

Panel 2 of 4

[<< Prev](#)

**Next >>**

Zoom In

Zoom Out

Reset Zoom

<p>W=24.75" L=47"</p> <p>P1</p>	<p>W=22.5" L=47"</p> <p>P2</p>
<p>W=24.75" L=47"</p> <p>P1</p>	<p>W=22.5" L=47"</p> <p>P2</p>

Panel **Panel\_1** (Width = 48"; Length = 96") with utilization rate of 80.27 %. Number of parts is 9 and waste parts is 3.

Panel 3 of 4

<< Prev

Next >>

Zoom In

Zoom Out

Reset Zoom

W=21" L=24.75"		W=21" L=24.75"		
P3		P3		
W=21" L=24.75"		W=21" L=24.75"		
P3		P3		
W=21" L=24.75"		W=21" L=24.75"		
P3		P3		
W=14" L=12.25" (90°)  P4	W=13.75" L=12.25" (90°)  P5	W=13.75" L=12.25" (90°)  P5		
W=47.5" L=9"				

Fok

Panel **Panel\_1** (Width = 48"; Length = 96") with utilization rate of **12.72 %**. Number of parts is 3 and waste parts is **2**.

Panel 4 of 4

<< Prev

Next >>

Zoom In

Zoom Out

Reset Zoom

<div>W=14" L=12.25" (90°) <b>P4</b></div>	<div>W=14" L=12.25" (90°) <b>P4</b></div>	<div>W=14" L=12.25" (90°) <b>P4</b></div>	
<div>W=47.5" L=83.25"</div>			

Following is 2 sheets if making only 1 speaker

Panel **Panel\_1** (Width = 48"; Length = 96") with utilization rate of 97.94 %. Number of parts is 4 and waste parts is 2.

Panel 1 of 2

[<< Prev](#)

**Next >>**

Zoom In

Zoom Out

Reset Zoom

<p>W=24.75" L=47"</p> <p><b>P1</b></p>	<p>W=22.5" L=47"</p> <p><b>P2</b></p>
<p>W=24.75" L=47"</p> <p><b>P1</b></p>	<p>W=22.5" L=47"</p> <p><b>P2</b></p>

Panel **Panel\_1** (Width = 48"; Length = 96") with utilization rate of **46.49 %**. Number of parts is 6 and waste parts is 4.

Panel 2 of 2

<< Prev

Next >>

Zoom In

Zoom Out

Reset Zoom

W=21" L=24.75"  P3		W=21" L=24.75"  P3		
W=14" L=12.25" (90°)  P4	W=14" L=12.25" (90°)  P4	W=13.75" L=12.25" (90°)  P5		
W=24.75" L=21" (90°)  P3		W=22.75" L=21"		
W=47.5" L=37.5"				