

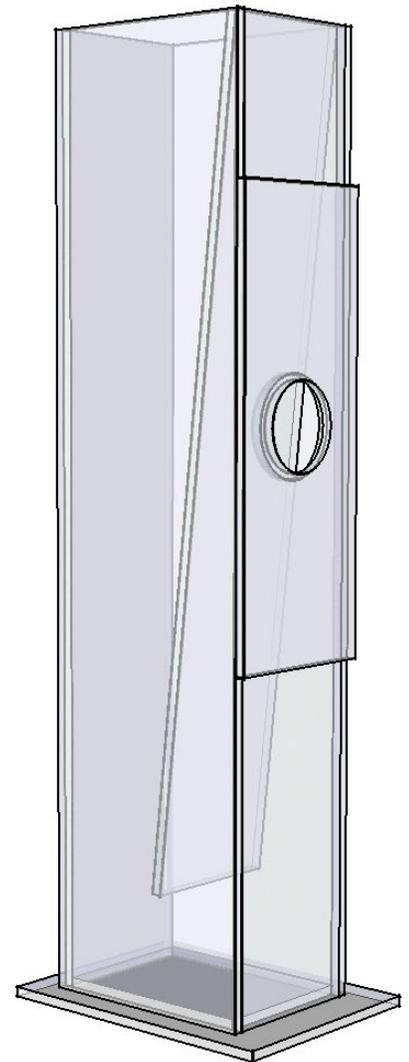
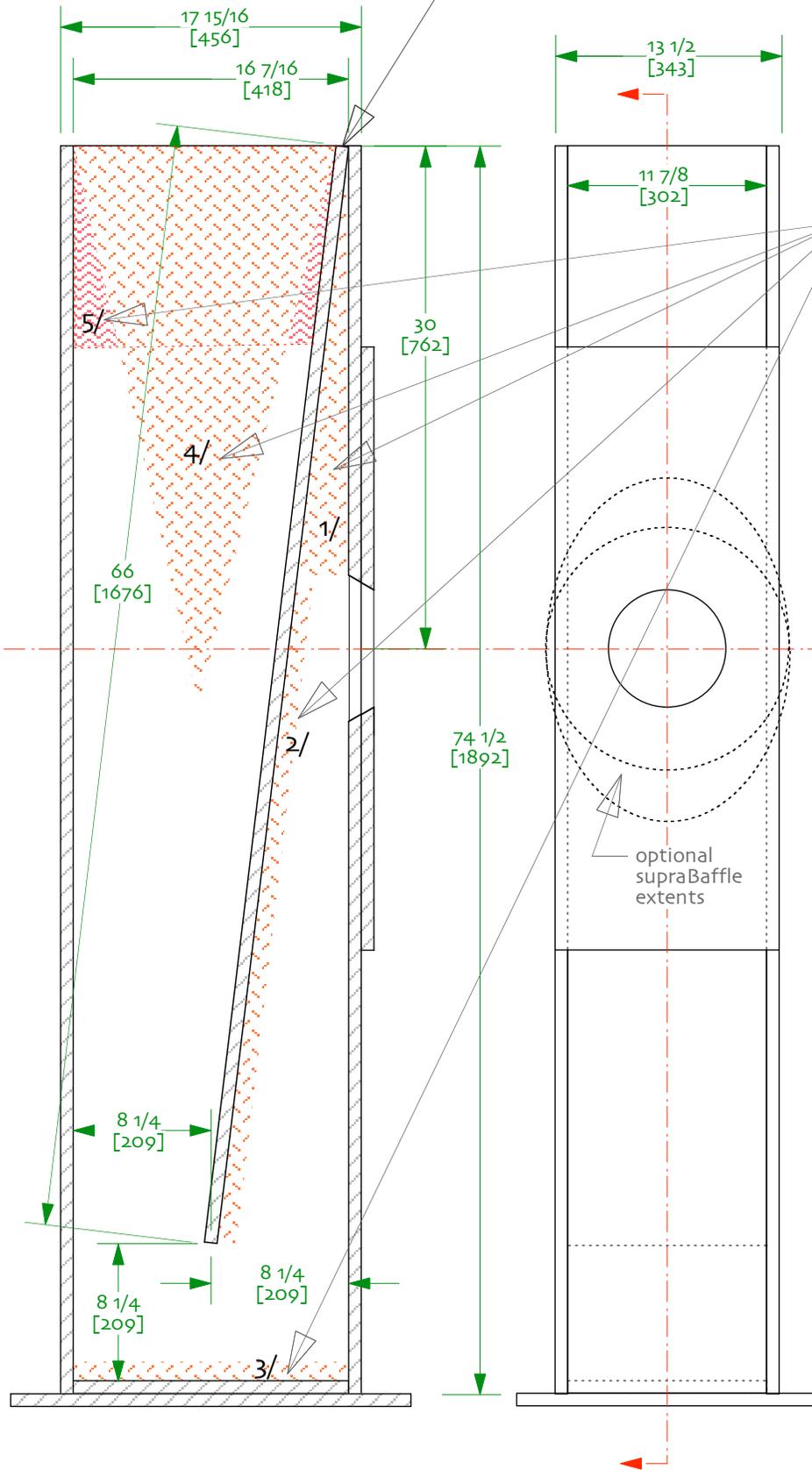
Notes:

Diagonal can be as shown tucked down under the top or such that the corner of the diagonal meets the front baffle at the top, and you can remove the bit sticking up with a piece of sandpaper.

o/ see these URLs for details
<http://www.diyaudio.com/forums/showthread.php?s=&threadid=110703>
<http://www.diyaudio.com/forums/showthread.php?s=&threadid=66173>

1/ recommended tweeter Dayton ND16FA-6 5/8" Neodymium Dome Tweeter (275-025) + 2uF

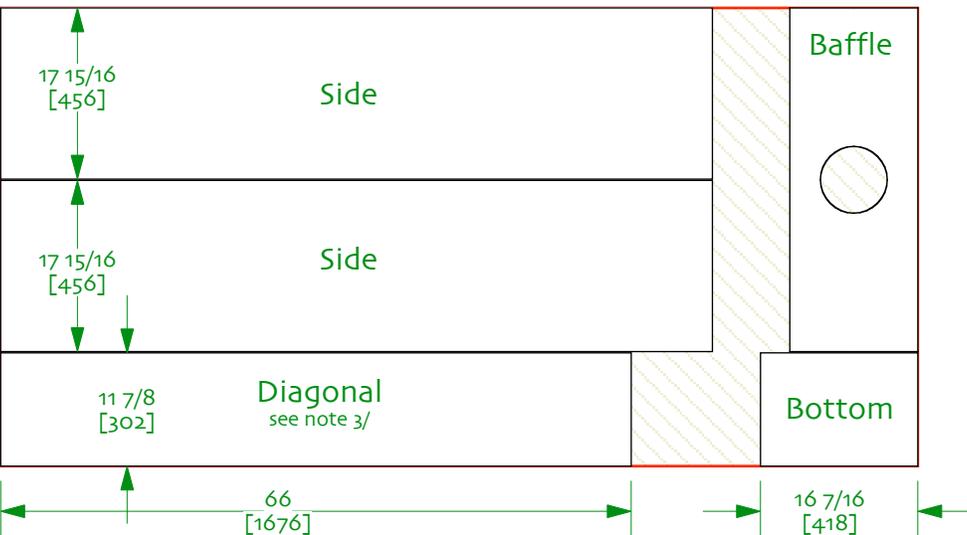
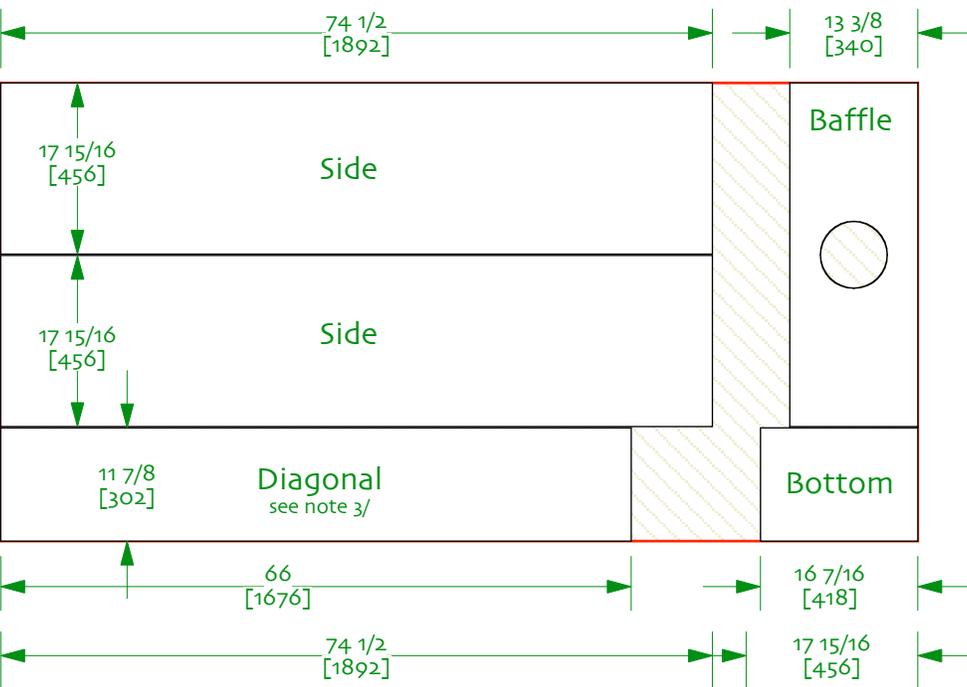
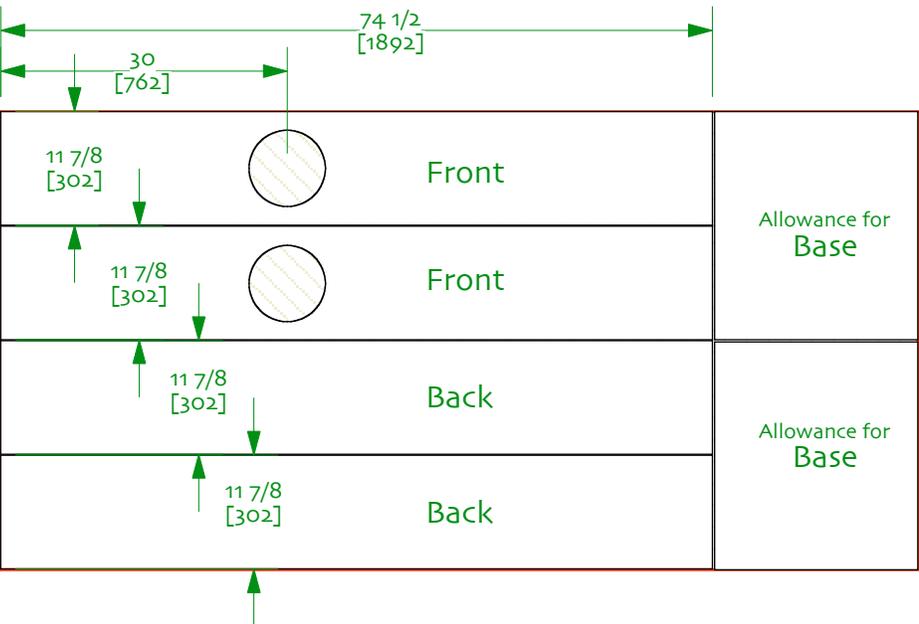
Suffing a BIB is quite room dependent. The 5 areas shown are the prime target areas. 1/ polyfluff in the point, 2/ driver side of diagonal is lined (poly, fiberglass, wool felt) 3/a matt of poly, fiberglass, wool felt, 4/ a poly "pennant" hanging in the mouth, 5/ More extreme measures: some lining on the inside walls of the mouth. For more details see the 2 URLs above (warning: the 2nd is very long)



BOFU BIB

Bigger is Better Pipe Horn
 for Pioneer B2oFU2o-51FW
 8" (200MM) Full Range w Whizzer

Plans 31-october-2007



BOFU BIB

Bigger is Better
Pioneer B20FU20-54F

Cut Sheet

Notes:

0/ 3/4" (19 mm) material, 1/8" kerf assumed

1/ Baffle & Base sizes are not critical.

There is room on the panel to cut the baffle such that it can act as a supraBaffle. Recommended sB width is 14.5" (368mm) (if you do so, some extra pieces to create a longer trailing edge are a good idea)

2/ Opening for driver on inner panel (Front) should give some breathing room for the driver

3/ Diagonal length is not critical. 66" is standard BIB, the Burning Amp BOFU used 65". It is not critical

More on damping: ""Higher density stuffing at the point down to the driver has the most effect on the pipe's entire gain BW, but will probably increase any perceived room 'boom' due to damping the extreme lows the least, ergo damping the mouth has the most effect on the lows, so adding the equivalent of a high density A/C duct filter inside it is best overall ... " GM

Room Placement: The mouth (open top) of the BIB depends on the walls of the room. Quantity, depth, and quality of the bass by the proximity of the mouth the walls & corners. Maximum bass when placed in a corner.

Panel Materials: