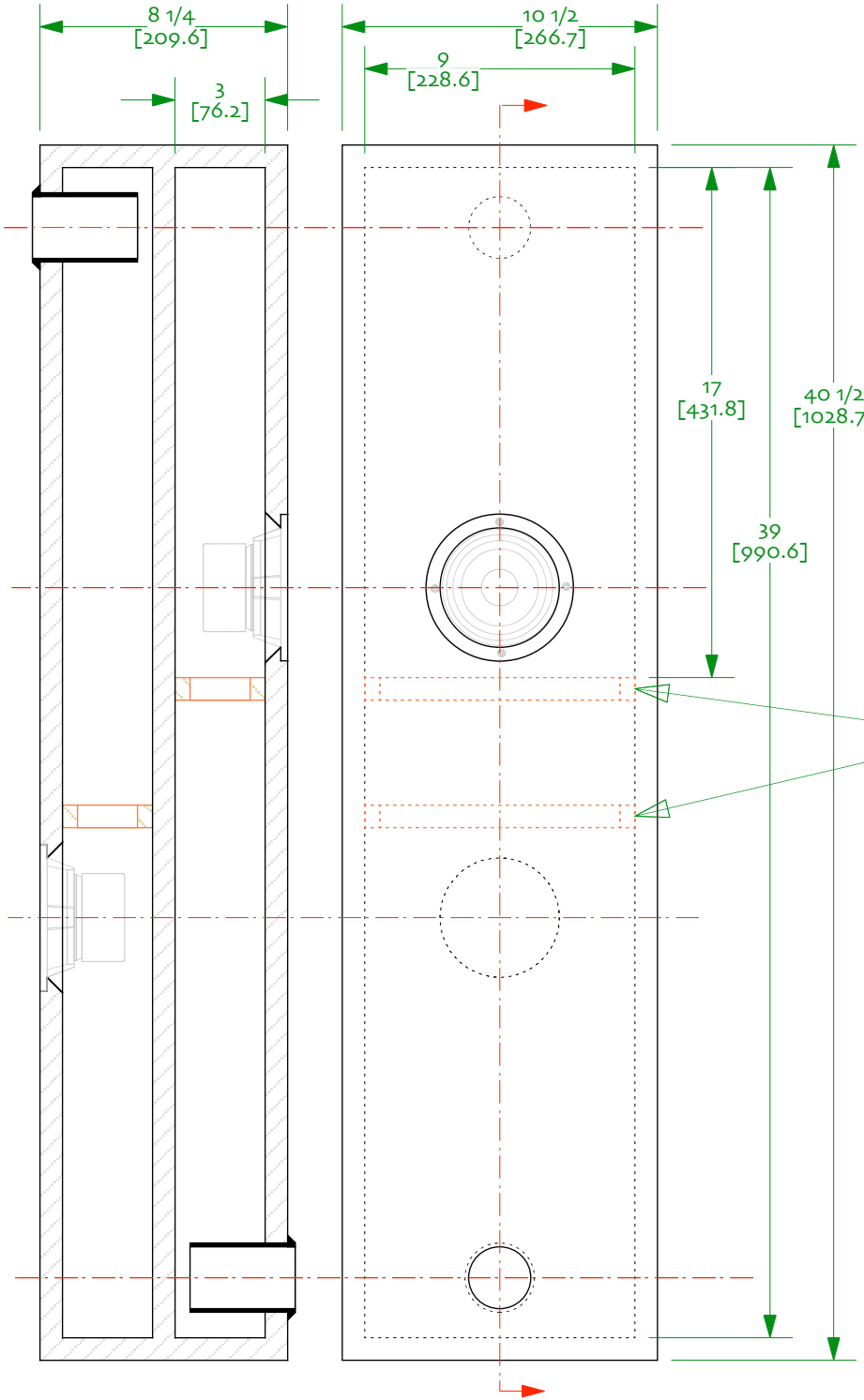

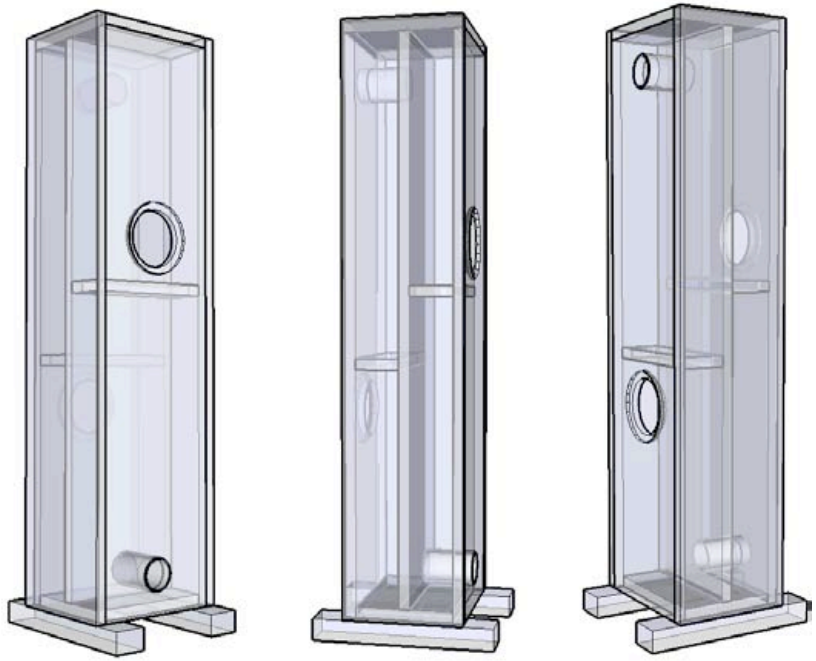

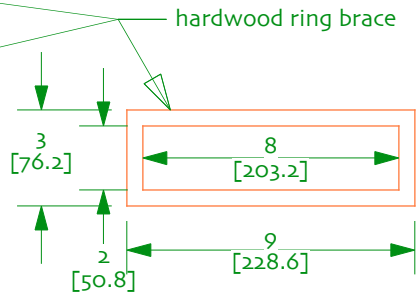

Offset Bipolar MLTL
for 2x CSS EL70 Drivers
designed by Jim Griffin
drawn by dld / 10-september-2009

Notes:
0/ This design comprises 2 identical, independent MLTLs sandwiched back-to-back with the rear MLTL rotated 180° to create the offset
1/ drawn with 3/4" (19mm) material
2/ stuffing with 0.54 pounds per ft^3 of acoustistuff from the top to just below the driver (2.3 oz = 65g per TL). An alternative to Acousta Stuf is to use a 9 x 16 inches sheet of 1 1/2" thick convoluted acoustical foam behind each driver
3/ port tubes are Parts Express #260-322 cut to the correct length (D = 2.0625" L= 3.5"). Notre that this port sits proud of the baffle leaving enough clearance at the internal end. Alternate port sizes are 2" ID, 3" long with slightly higher tuning, or 1 3/4" ID, 3" long for the same tuning.
4/ front and rear drivers are connected in series
5/ more information:
http://www.diyaudio.com/forums/showthread.php?s=&threadid=148939
6/ 1/2" round over recommended on all baffle edges

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