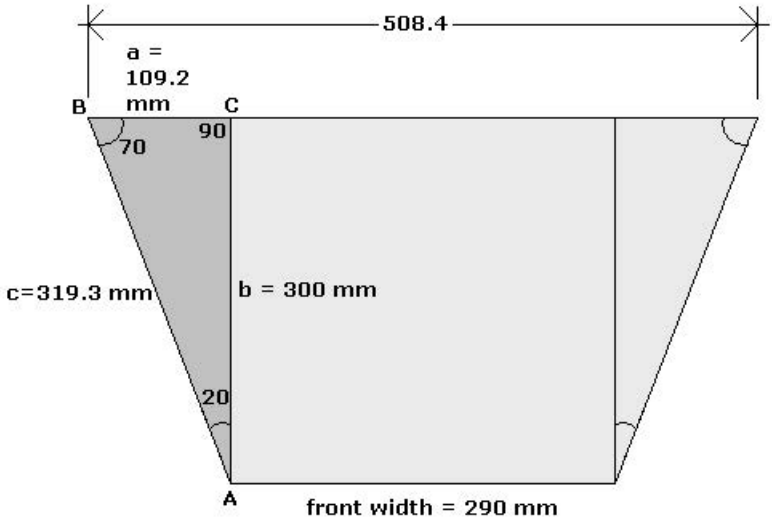
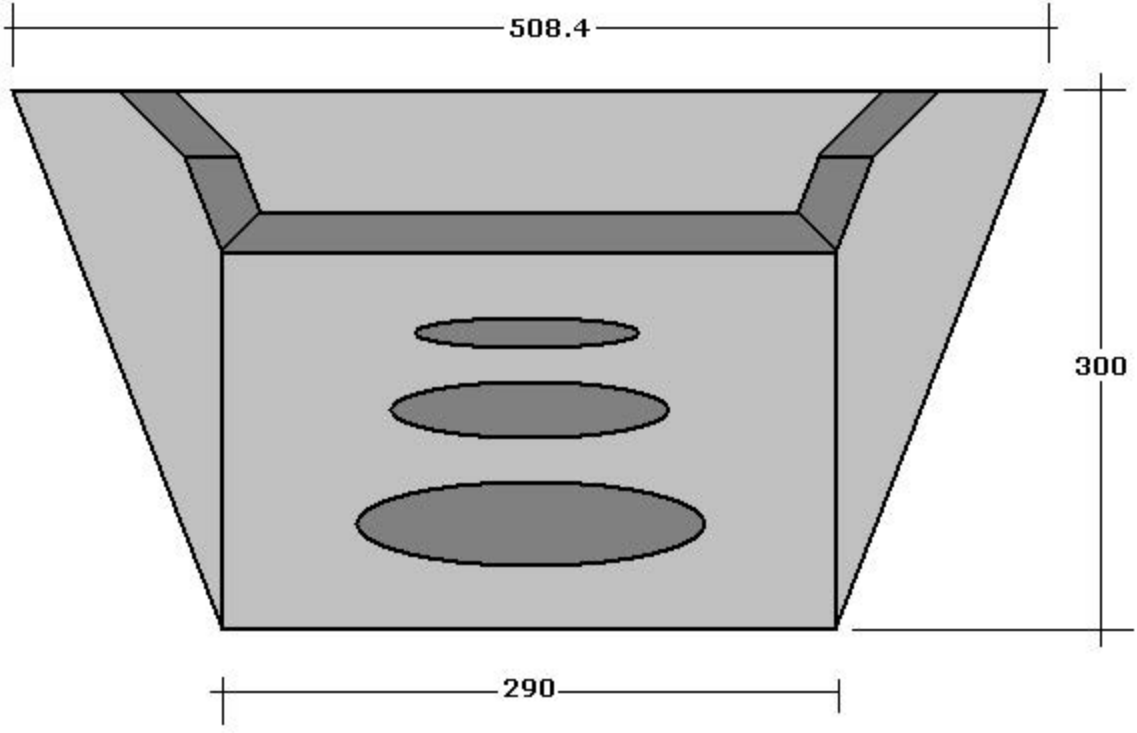
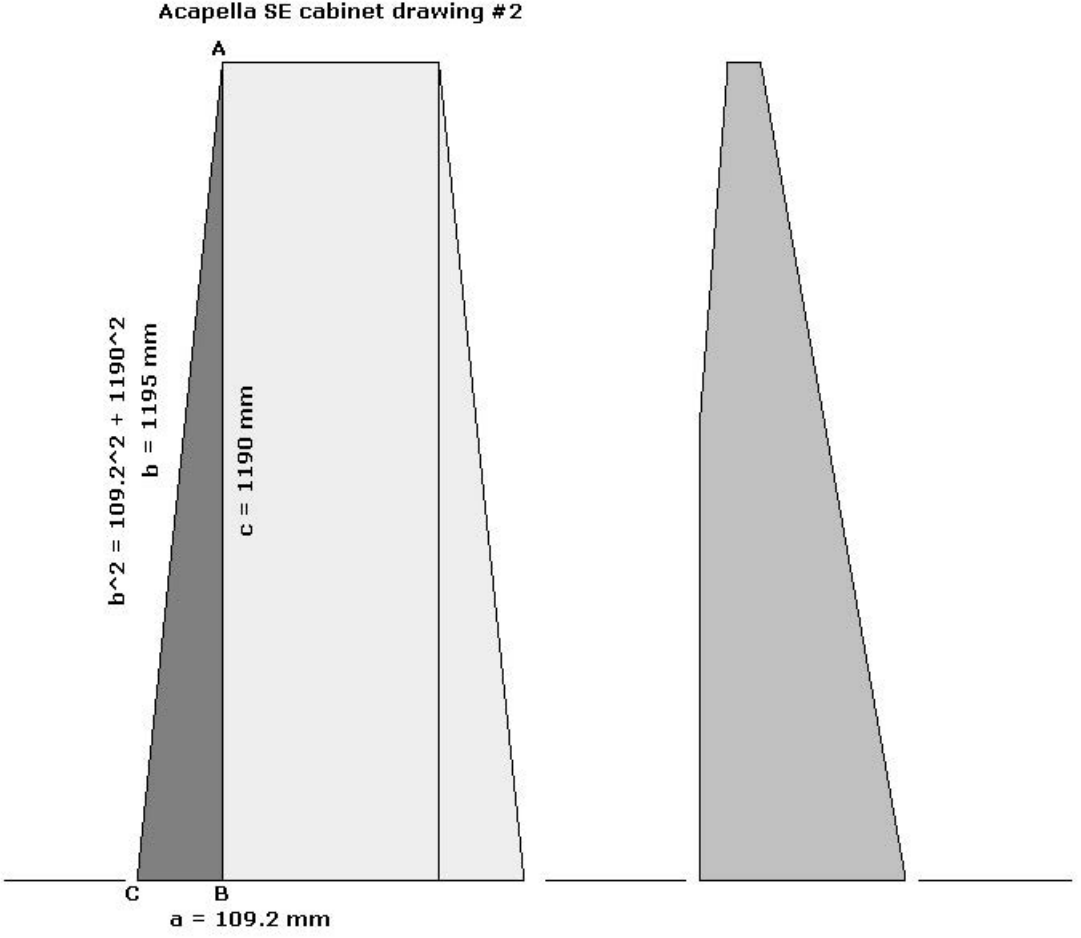
Acapella SE, cabinet drawing #1



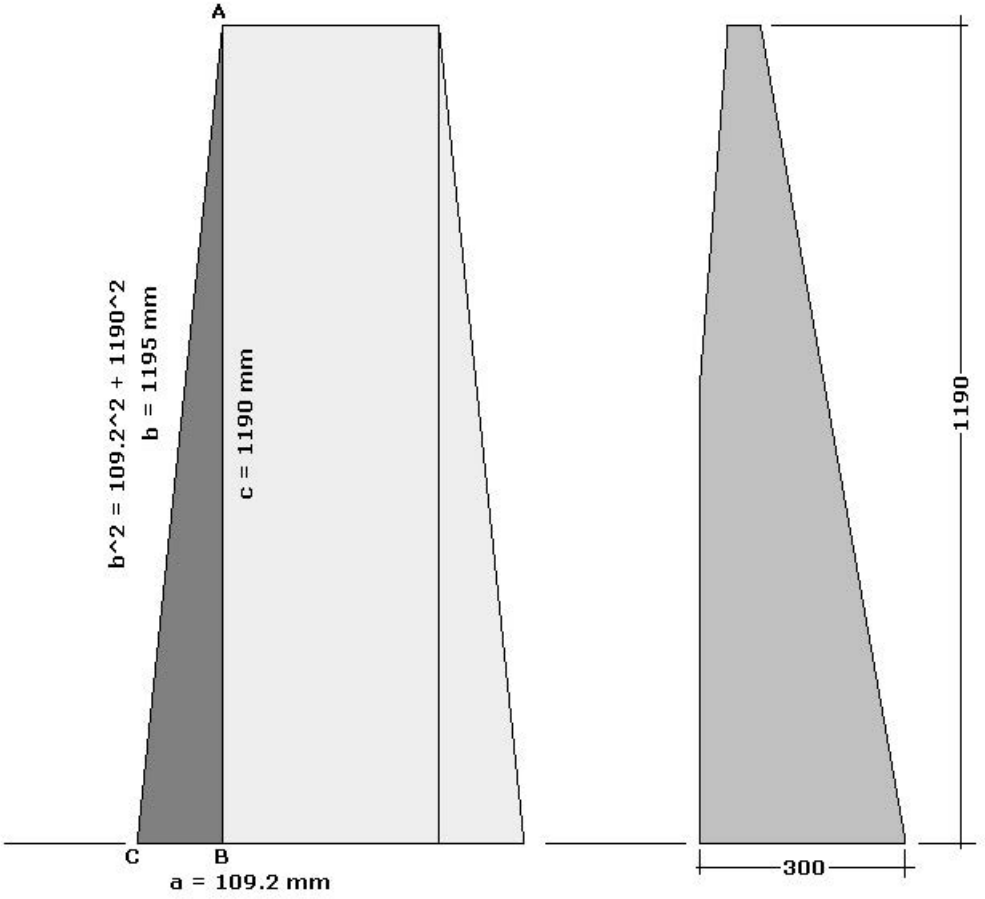
cosA = b/c, cos 20 = 0.9397 = 300/c, c = 319.3 mm
tanA = a/300, tan 20 = 0.36397 = a/300, a = 109.2 mm
rear width = 290 + (2*109.2) = 508.4 mm

Acapella drawing #2, base dimensions. Seen from top.

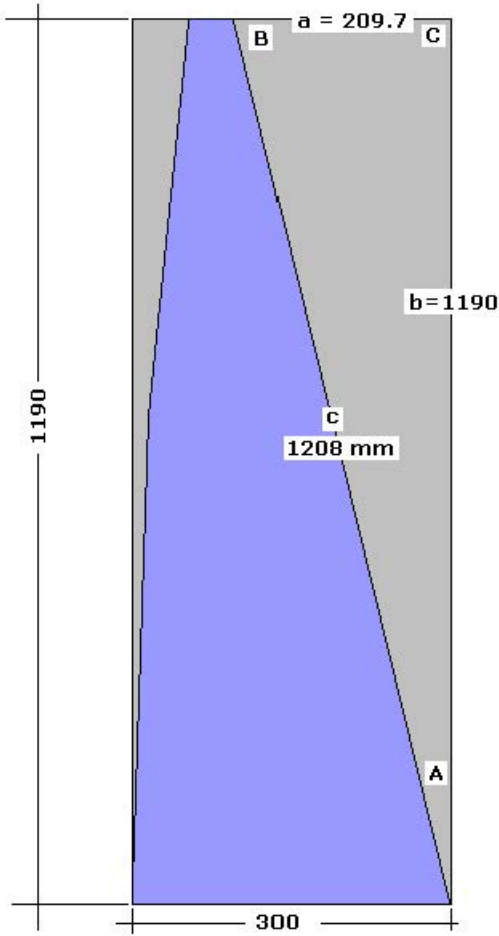



Acapella SE cabinet drawing #2
A
b^2 = 109.2^2 + 1190^2
b = 1195 mm
c = 1190 mm
C
B
a = 109.2 mm

Acapella SE cabinet drawing #3

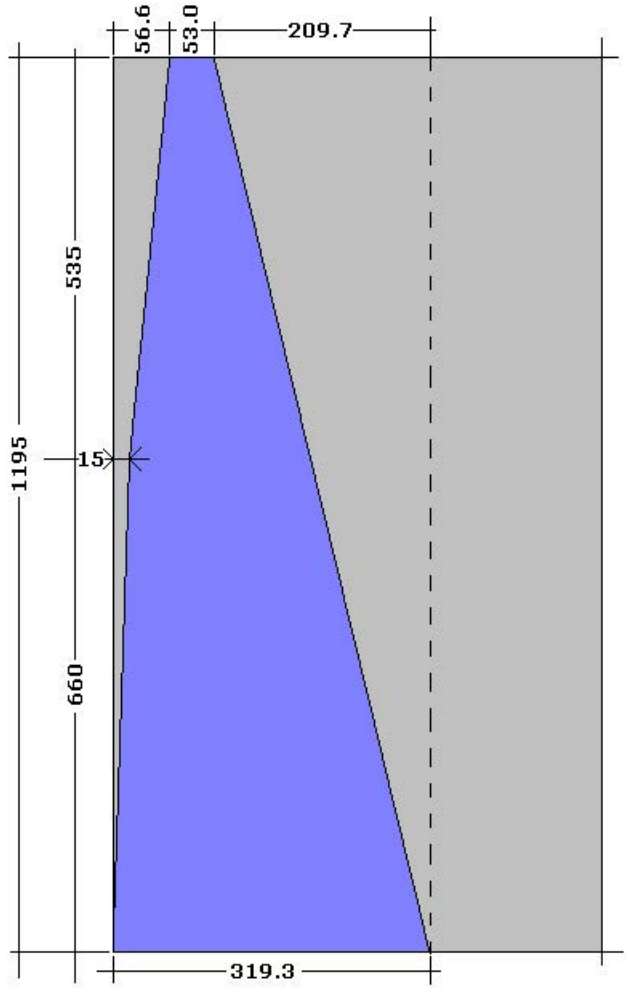


Acapella SE, drawing #3b. Calculating length of front panel

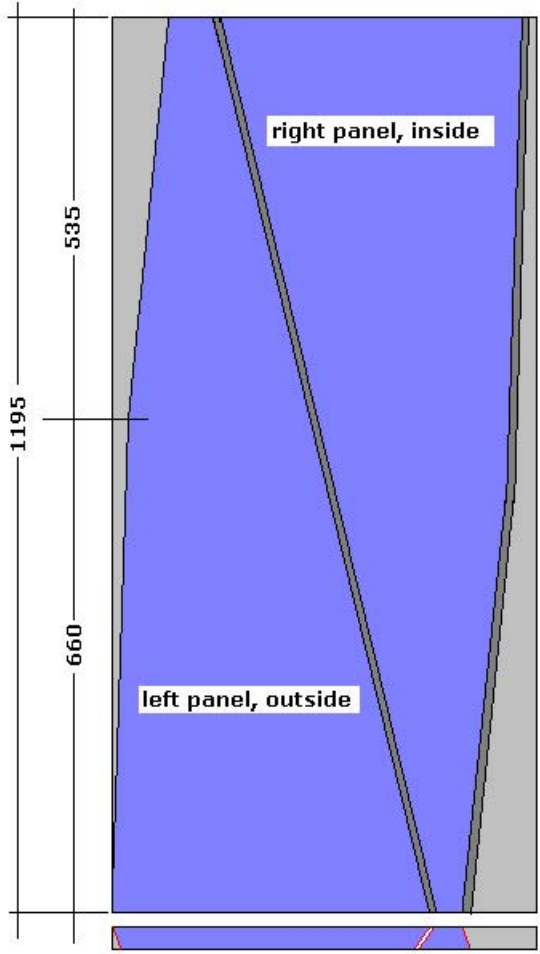


Frontpanel is tilted 10 deg.
tanA = a/b. tan10=0.1763 = a/1190, a = 209.7
c^2 = 209.7^2 + 1190^2, c = 1208 mm

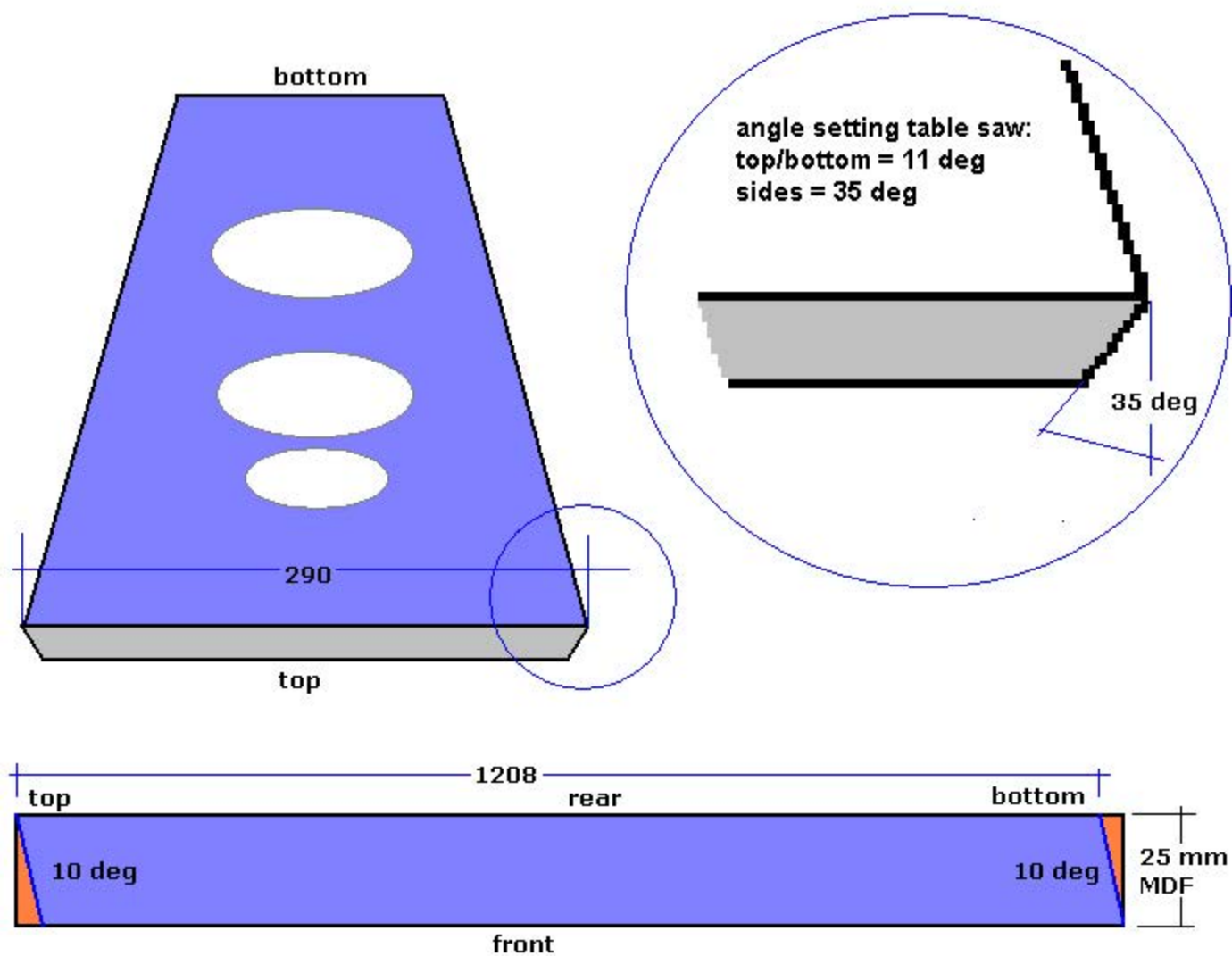
Acapella SE, drawing #4 Cutting plan, side panels



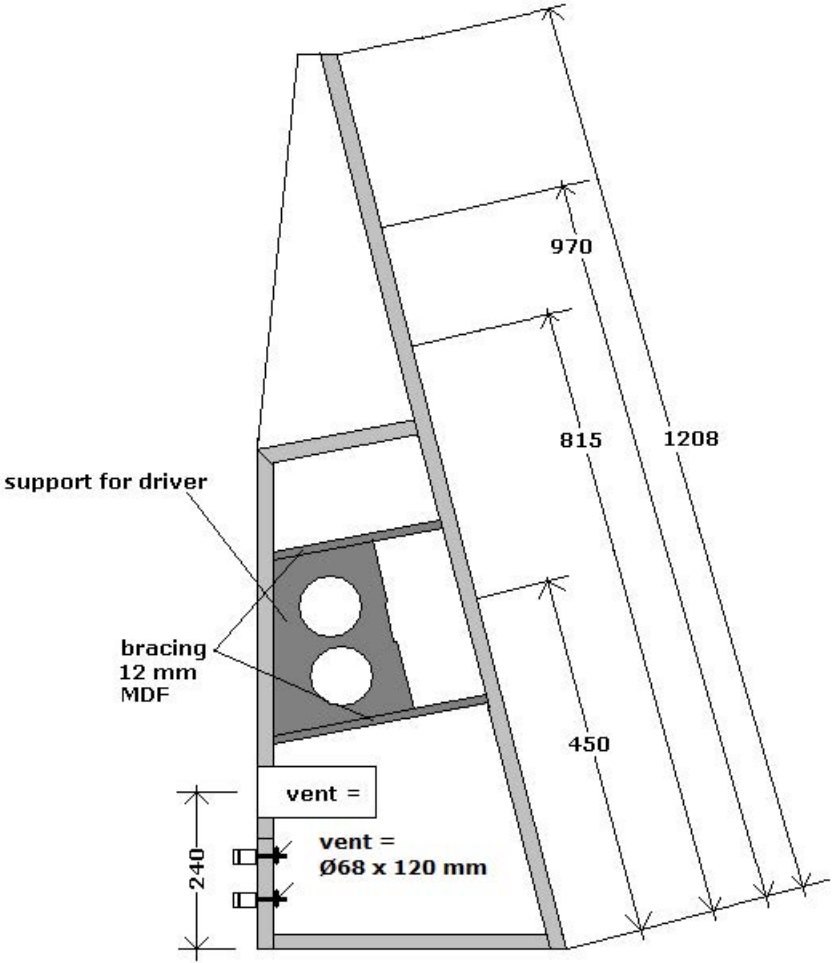
Acapella SE, drawing # 5, side panel cutting

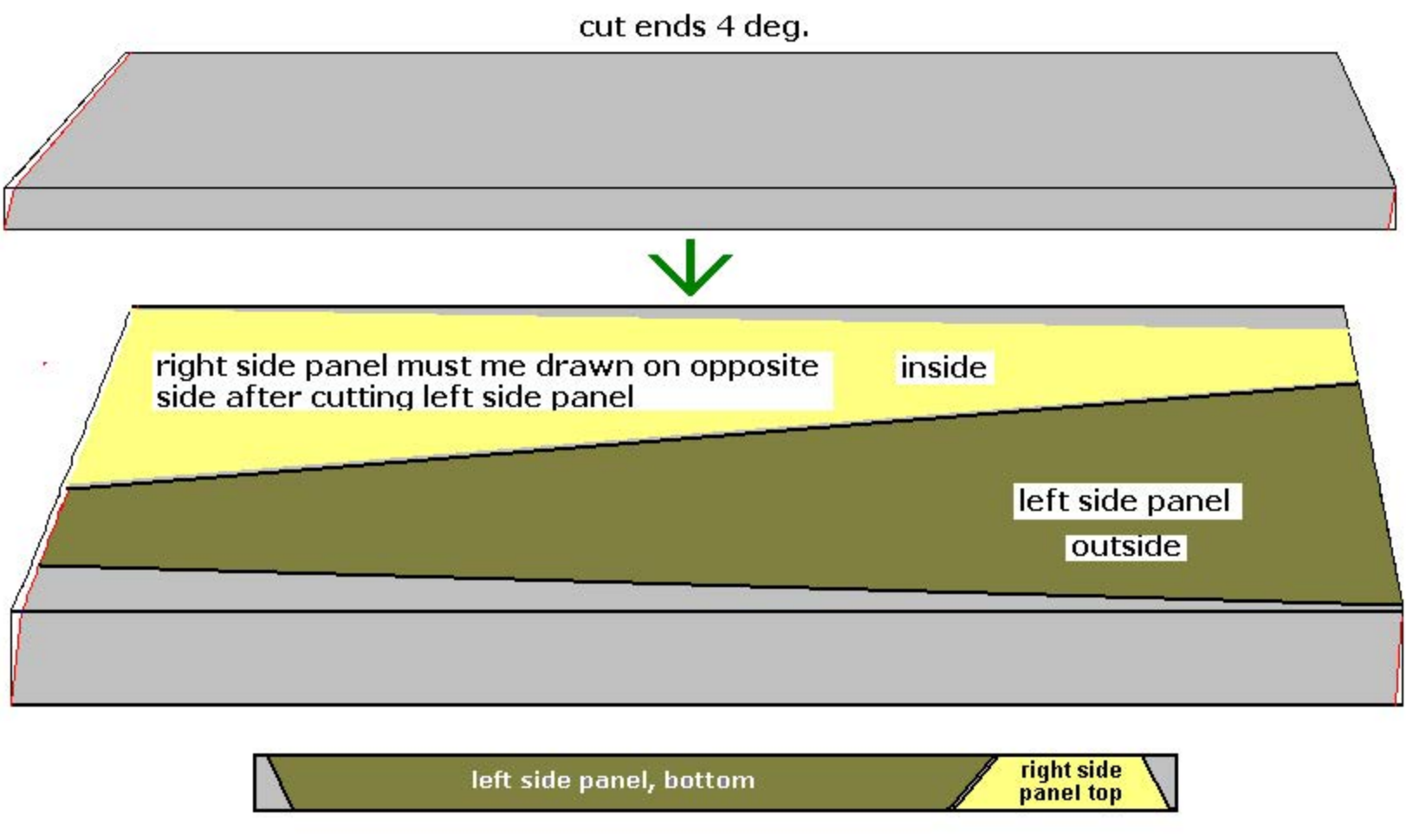


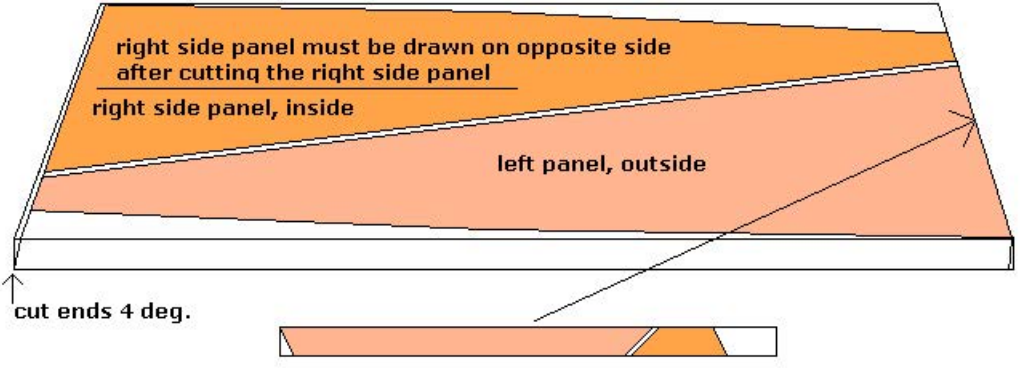
Acapella SE, cabinet drawing #6, front panel dimensions



Acapella drawing #7, bass enclosure, driver placement, vent dimensions




cut ends 4 deg.
right side panel must me drawn on opposite side after cutting left side panel
inside
left side panel
outside
left side panel, bottom
right side panel top


right side panel must be drawn on opposite side
after cutting the right side panel
right side panel, inside
left panel, outside
cut ends 4 deg.

Acapella drawing #7, bass enclosure, driver placement, vent dimensions