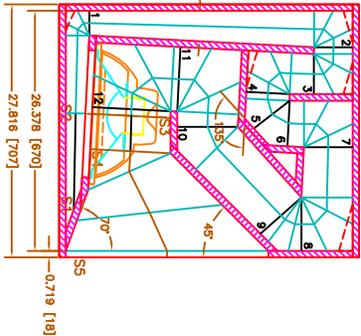
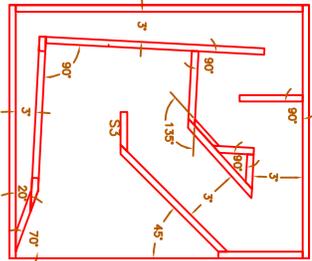
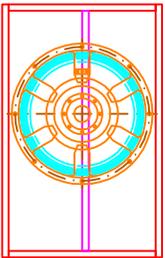
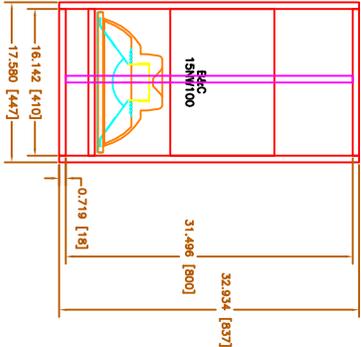


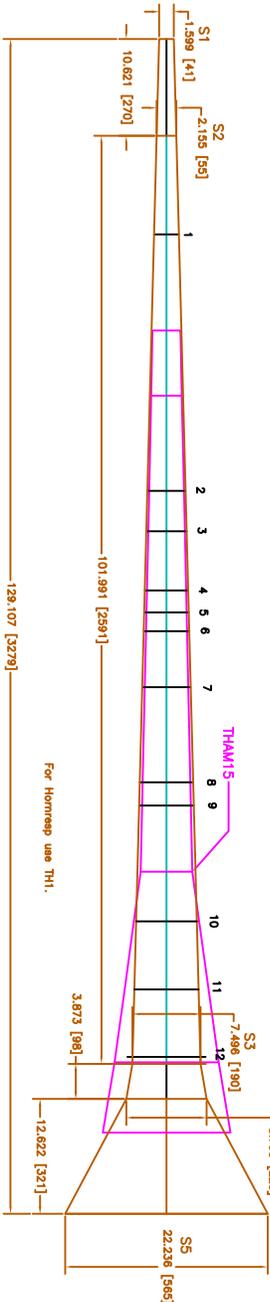
Some suggestions for braces.



All ducts from S1 to S4:



Material: 23/32" Plywood .719" [18.3mm]
 Diquinto martino's box dimensions (int.):
 800mm x 410mm x 670mm
 Jan 07, 2017



For Hornresp use TH1.

For BAC 15NW100:

S4=895mm²
 Compression = 41.78mm² [33.131in²]
 S1=eq=2135mm [2085in]
 H_eq=4235mm [2085in]

Maximum excursion ~225mm to horn path if cone compensation is applied all the way to the horn. If not, the horn will provide outside (relief) for the cone compensation to prevent bottoming of the driver. The increase area @ S2, and decrease S4.

Example, added 15/32" (.489") layer:

Typical relief for maximum cone excursion / cone compensation = zoom

Area = 599mm² [214.857in²]
 per per slide

Area = 160mm² [50.061in²]
 per per slide

For S2=2.005" (i.e.: no broaching allowance added)
 Compression @ edge of bottle outlet: 3.381

For S2=2.005" (i.e.: no broaching allowance added)
 Max. Excursion 0.885 [22.5]
 Height eq. (S2) = 3.479" [88.3mm]

Area = 32.799in² [211.610cm²]
 Height eq. (S2) = 2.032" [51.6mm]
 Compression ratio @ S2 = 4.04:1
 Internal duct width = 16.142" [41.0cm]

THAM15_Fornom_Mod_2_martino.dwg - here: Additional notes and driver areas as per drawing provided by 17, 2017

For TRYS: Change expansion angle to 3°, and create compensation relief from the horn. Add .1" to the duct height @ S2 for bracing.
 Martino_THAM_SS15_Rev01_2017Jun19_TRYS.dwg