English Automobile Series
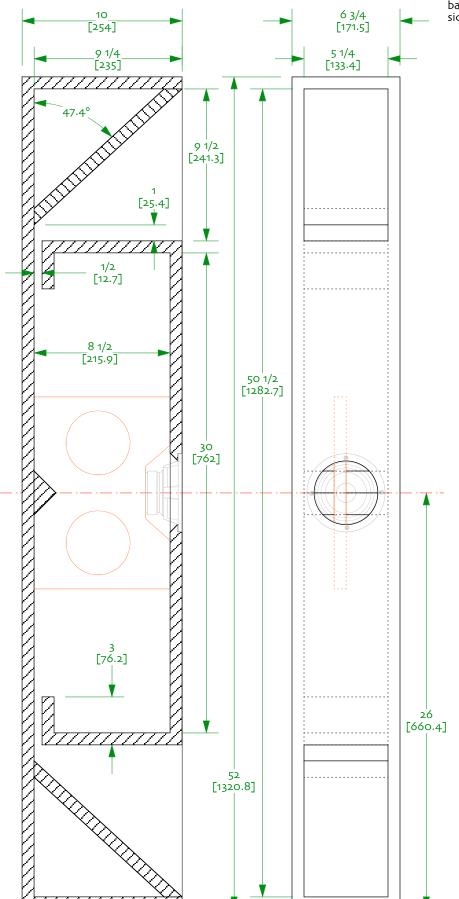for Mark Audio Single Fullrange Drivers

0v7

Lotus – CHR-70
Lotus^2 – 2 x CHR-70
Morgan – Alpair 6
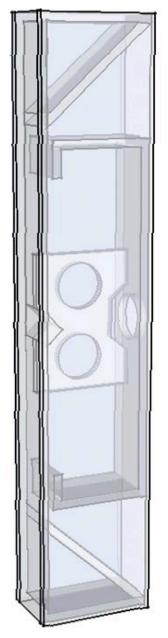Riley – Alpair 6
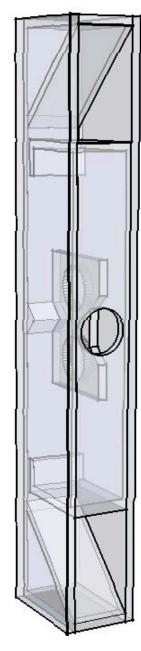Riley^2 – Alpair 6
Jaguar – Alpair 10

06-november-2009

Notes:

0/ drawn using 3/4" (19mm) material
1/ enclosure has sufficent compliance to accomodate 2 drivers with no changes
2/ rebate may be tricky given the baffle width. A supraBaffle is recommended, This can be the width of the baffle, and as long as you want. Bevel or round over the sides.

10
[254]

9 1/4
[235]

47.4°

9 1/2
[241.3]

1
[25.4]

1/2
[12.7]

8 1/2
[215.9]

30
[762]

3
[76.2]

52
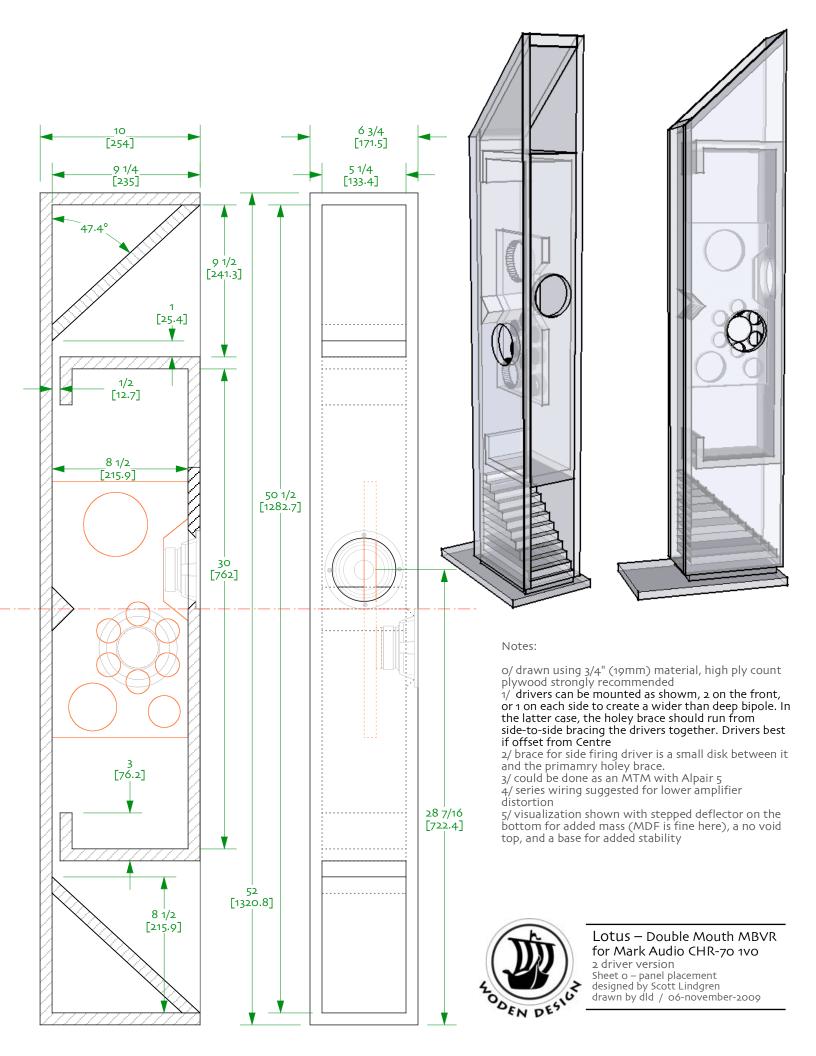[1320.8]

6 3/4
[171.5]

5 1/4
[133.4]

50 1/2
[1282.7]

26
[660.4]

Lotus – Double Mouth MBVR
for Mark Audio CHR-70 1v0

Sheet 0 – panel placement
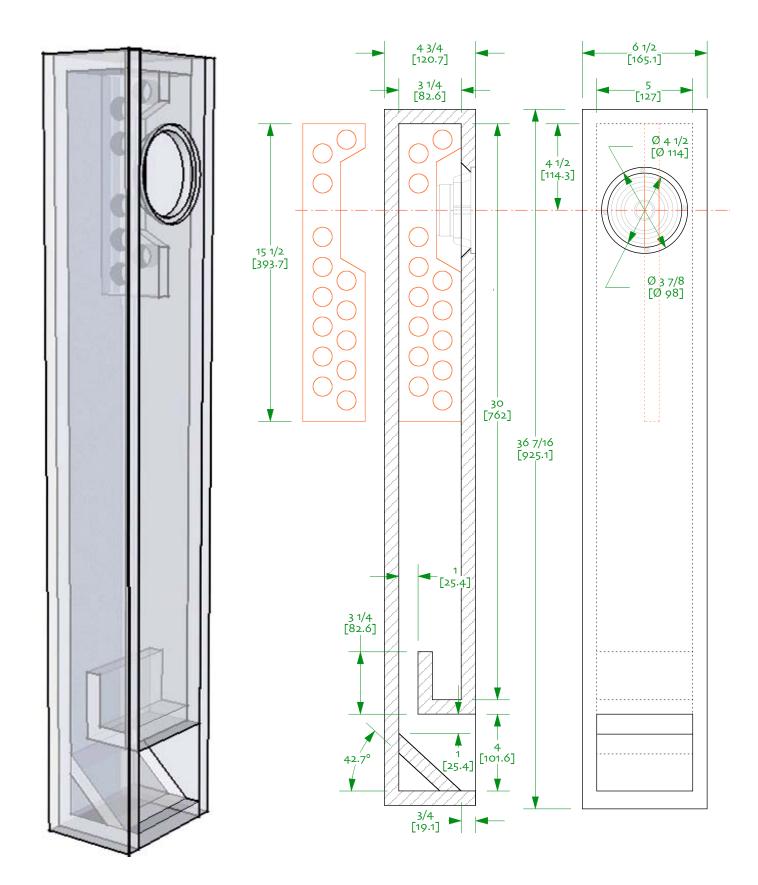designed by Scott Lindgren
drawn by dld / 06-november-2009

WODEN DESIGN

10
[254]

9 1/4
[235]

6 3/4
[171.5]

5 1/4
[133.4]

47.4°

9 1/2
[241.3]

1
[25.4]

1/2
[12.7]

8 1/2
[215.9]

50 1/2
[1282.7]

30
[762]

3
[76.2]

28 7/16
[722.4]

52
[1320.8]

8 1/2
[215.9]

Notes:

0/ drawn using 3/4" (19mm) material, high ply count plywood strongly recommended
1/ drivers can be mounted as showm, 2 on the front, or 1 on each side to create a wider than deep bipole. In the latter case, the holey brace should run from side-to-side bracing the drivers together. Drivers best if offset from Centre
2/ brace for side firing driver is a small disk between it and the primamry holey brace.
3/ could be done as an MTM with Alpair 5
4/ series wiring suggested for lower amplifier distortion
5/ visualization shown with stepped deflector on the bottom for added mass (MDF is fine here), a no void top, and a base for added stability

WODEN DESIGN

Lotus – Double Mouth MBVR for Mark Audio CHR-70 1v0
2 driver version
Sheet 0 – panel placement
designed by Scott Lindgren
drawn by dld / 06-november-2009

Morgan – MBVR for Mark Audio Alpair 6 ov95

Sheet 0 – panel placement
designed by Scott Lindgren
drawn by dld / 19-september-2009

WODEN DESIGN

4 3/4
[120.7]

3 1/4
[82.6]

6 1/2
[165.1]

5
[127]

15 1/2
[393.7]

4 1/2
[114.3]

30
[762]

36 7/16
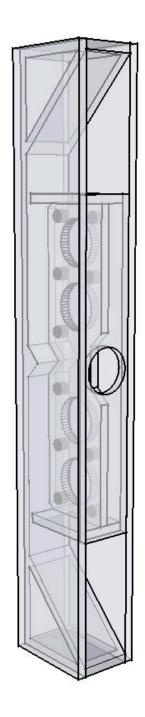[925.1]

Ø 4 1/2
[Ø 114]

Ø 3 7/8
[Ø 98]

1
[25.4]

3 1/4
[82.6]

1
[25.4]

4
[101.6]

42.7°

3/4
[19.1]

Notes:

0/ drawn using 3/4" (19mm) material
1/ enclosure has suffecient compliance to accomodate 2
drivers with no changes
2/ rebate may be tricky given the baffle width. A
supraBaffle is recommended, This can be the width of the
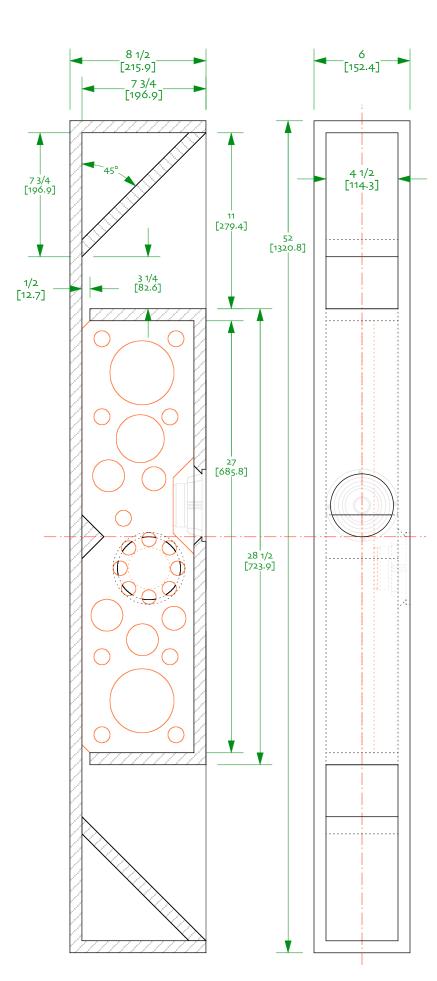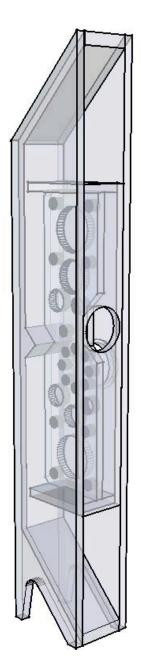baffle, and as long as you want. Bevel or round over the
sides.

8 1/2 [215.9]
7 3/4 [196.9]
6 [152.4]
7 3/4 [196.9]
45°
11 [279.4]
4 1/2 [114.3]
52 [1320.8]
1/2 [12.7]
3 1/4 [82.6]
27 [685.8]
28 1/2 [723.9]

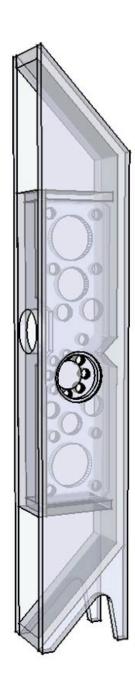**Riley – Double Mouth MBVR for
Mark Audio Alpair 6 0v99**

WODEN DESIGN

Notes:

0/ drawn using 3/4" (19mm) material
1/ enclosure has sufficent compliance to accomodate 1 driver with no changes
2/ rebate may be tricky given the baffle width. A supraBaffle is recommended, This can be the width of the baffle, and as long as you want. Bevel or round over the sides.
3/ drivers can be mounted as showm, 2 on the front, or 1 on each side to create a wider than deep bipole. In the latter case, the holey brace should run from side-to-side bracing the drivers together. Drivers best if offset from Centre
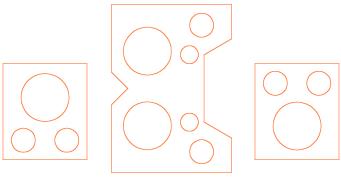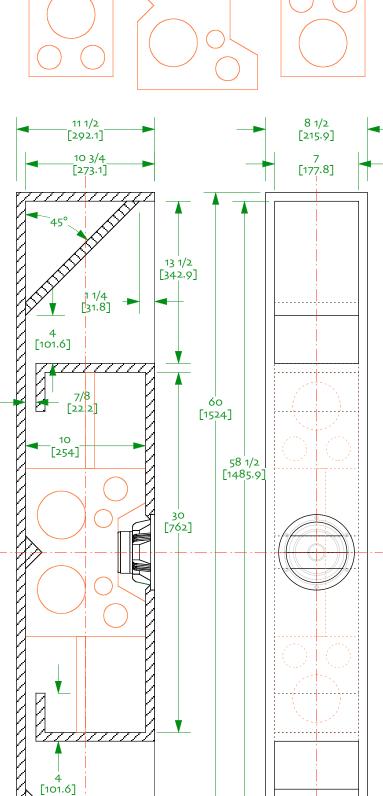

Riley^2 – Double Mouth MBVR
for Mark Audio 2 x Alpair 6 0v99

Sheet 0 – panel placement
designed by Scott Lindgren
drawn by dld / 05-november-2009

WODEN DESIGN

Notes:

0/ drawn using 19mm (3/4") material

1/ holey baffle shown is indicative only – details are up to builder

2/ damp mas you would a bass reflex

11 1/2 [292.1]

10 3/4 [273.1]

8 1/2 [215.9]

7 [177.8]

45°

13 1/2 [342.9]

1 1/4 [31.8]

4 [101.6]

7/8 [22.2]

10 [254]

60 [1524]

58 1/2 [1485.9]

30 [762]

4 [101.6]