

**Cut Sequence for 2 cabinets...**

Have the lumber yard (Lowes or HD) cut 1 sheets MDF into 4 - 24x48 pieces, and another half sheet to 23x48 and a 25x48 (to allow for sawblade thickness in your cuts). All cut this way so you can get them home in a car.

Trim all long edges square - Lowes panel saw was not perpendicular :(

This assumes you have a table saw, the idea is to not change your saw setup for each width you have to rip.

As indicated in the drawings above:

1. Rip a 13.5" wide length for top/bottom, then setup and cut each piece to 9.5 for 4 pieces for 2 tops and 2 bottoms.
2. Rip the 4 - 9.5" wide lengths (for the front baffle) - from 4 of the pieces.
3. Rip the 4 - 12" wide lengths (for the sides) - from what's left of the same 4 pieces.
4. Rip the 8" wide lengths (2 for the braces and 2 for back baffles)
5. Trim lengths of the 4 sides, 4 front baffle pieces and 2 of the 8" wide back baffle pieces to 46.5
6. Setup and cut 8 total pieces to 11.25" from 2 of the 8" wide pieces.

Trim the back baffles to fit (8 x 46.5) - option is to make the back baffle removable.

**Planned assembly sequence**

Braces have been cutout in centers for air passage - 2 holes with roundover edges...other ways optional.

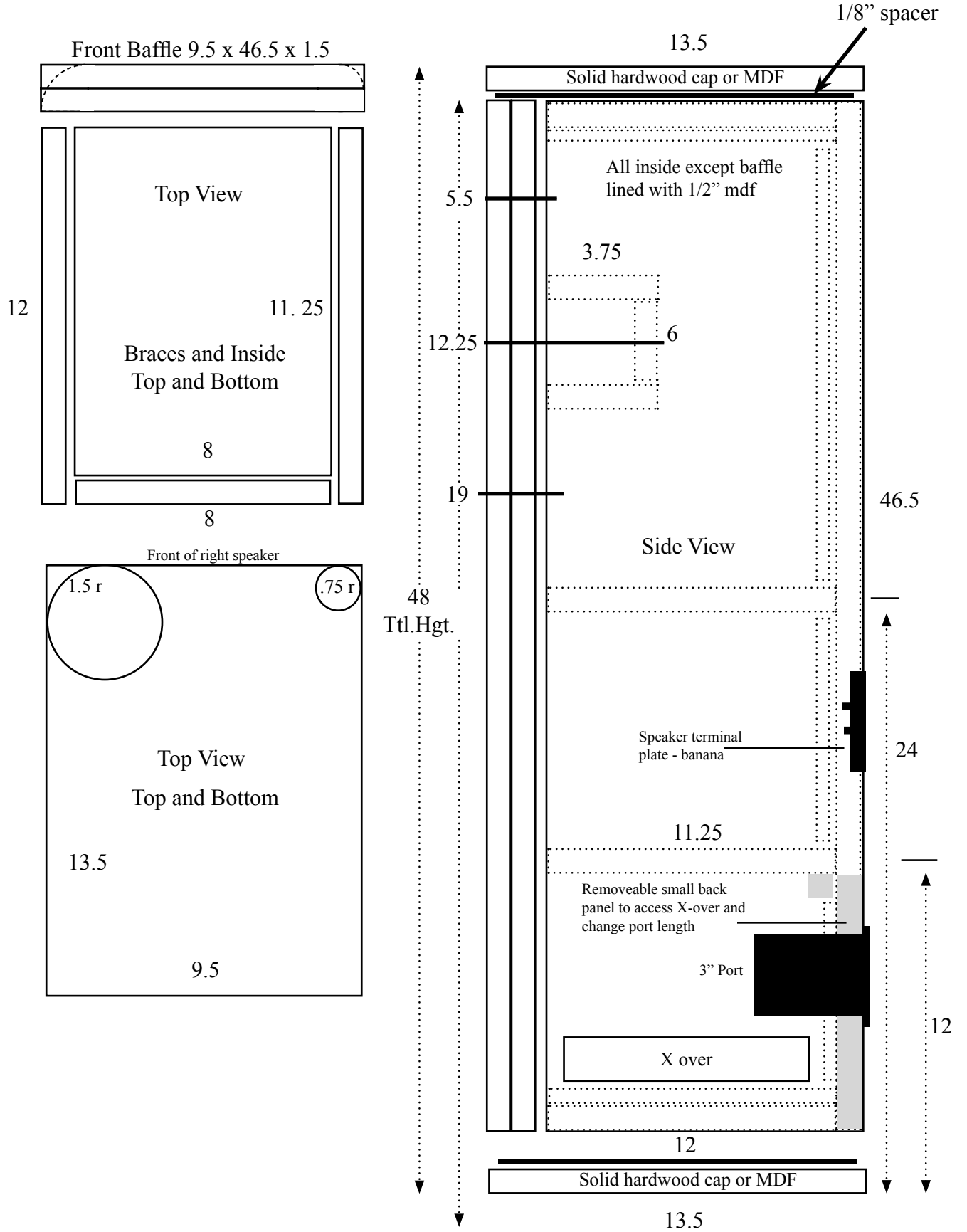
For each cabinet:

1. Glue and screw 2 sides to 4 braces.
2. Join 2 front baffle pieces to total 1.5" thickness.
3. Route speaker holes and speaker recesses in front baffles.
4. Route the roundovers on the cabinet edges.
5. Glue and screw top, bottom and baffle to the side/baffle structure. Clamp/glue, don't screw on the front edges of the panels where the roundovers will go or remember to remove screws before routing.
6. Sides will be lined with .5" MDF - which could be precut and used to help when assembling the braces.

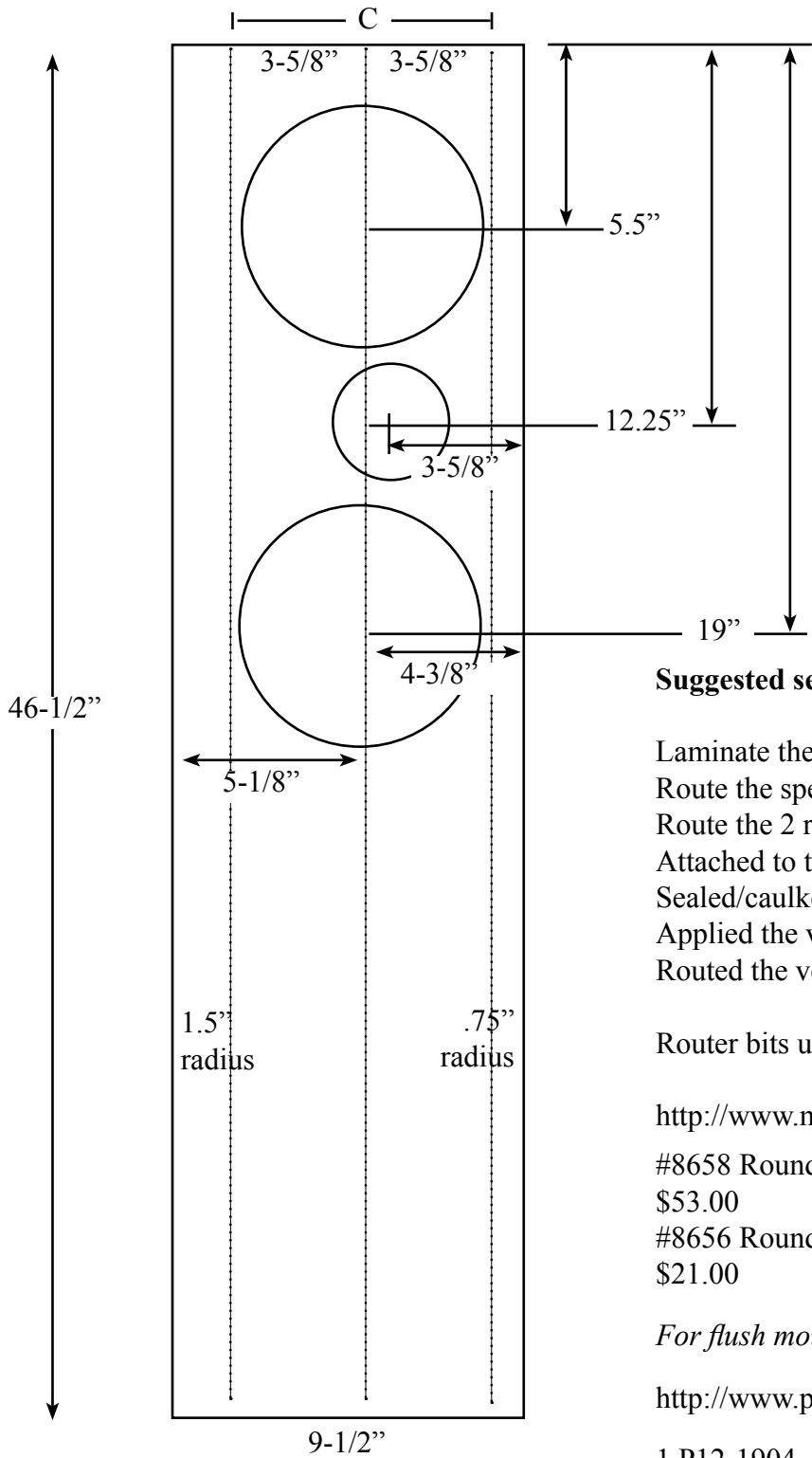
Assemble separate and attach the tweeter cavity.

# Eros Plan and Assembly - Exploded Views

Not to scale!



Baffle - left speaker  
 (right speaker reversed)



**Suggested sequence**

- Laminate the baffle to 1.5" thick.
- Route the speaker holes and flush mount dados.
- Route the 2 radiused sides - 1.5r and .75r
- Attached to the speaker box.
- Sealed/caulked the inside joint.
- Applied the veneer.
- Routed the veneer flush with the speaker holes.

Router bits used:

<http://www.mlcswoodworking.com>

#8658 Round Over bit 1-1/2" radius - 1/2" shank - \$53.00

#8656 Round Over bit 3/4" radius - 1/2" shank - \$21.00

*For flush mounting the veneer:*

<http://www.pricecutter.com>

1 P12-1904 - \$9.99

Solid Carbide Dado Trimmer

D Dia.: 1/4" B: 1/8" Length: 1/4" OAL: 1-9/16"

Shank: 1/4"