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Subject: 4 Pi Home Theater Build

Posted by [NWCgrad](#) on Thu, 12 May 2011 18:31:05 GMT

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After a couple of years of going back and forth between the 4 Pi and the Deluxe Econowave, I have committed to building three 4 Pi's. Of which, two will be vented with the center being sealed (per suggestion from Wayne Parham). I will be going fully upgraded (JBL 2226H and B&C DE250 + upgraded crossover componets).

Unfortunately I can only complete two of the speakers now - but I am building the third cabinet so it will be ready!

I am adding extra reinforcement to the MDF cabinets because the speakers will need to survive at least two - possibly three - military moves. I am moving this summer for 2 years in Cambodia, so I need to ruggedize as best I can (was going with birch plywood but had issues beyond my control so ended up with MDF). To accomodate, the speaker depth has been increased from 14.25" to 15.75" - internal volume will be as close to Wayne's spec as I can get (+0.1 Ft<sup>3</sup>) so not to screw up tuning or induce standing wave issues. Both the front and rear baffle will be 1.5" thick (however, the back baffle has cutouts to bring the volume down from .75" to .5" - the cutouts shown in the second attachment will not be used as a window brace but rather will be glued and screwed to the back panel).

### File Attachments

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- 1) [Render.jpg](#), downloaded 26008 times
  - 2) [window brace.jpg](#), downloaded 24306 times
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