Subject: 4pi Dinner Theater Update
Posted by dutchswan0311 on Sun, 01 Jul 2012 20:11:56 GMT
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Below are a couple of images of the baffle wall's construction. The wall's foundation, which houses the four F20 subs, is 169" wide and is 63" tall. The overall baffle wall will end up being about 165" wide x 160" tall with an AT screen that measures 194" on the diagonal (@ 16x9).

The subs are screwed to a 3/4" platform of OSB in order to raise them to the level of the finished hardwood floor that will be installed at a later date. They are also glued/screwed to the 2x6 supports for the baffle wall (or perhaps it might be more accurate to state that the baffle wall supports are screwed to them). I had originally planned to keep them "floating" under the baffle wall, but it ended up being much easier to do it this way. Time will tell if I made the right choice.

The left and right mains are angled inward at 9 degrees with a focal point that is a distance of 2/3 the length of the room away from the baffle wall. The platform on which they rest is 3/4" OSB, and with their final resting place determined; I screwed them down to this platform from underneath ensuring they will not move. From here, I will proceed building the baffle wall around them. The plan is to frame around the 4pis, leaving them to protrude 3/4" past the finished wall so that they will be flush with the acoustical treatments that will be applied. The final size of the screen will be a maximum of 169" wide x 95" tall (194" measured diagonally).

P.S. Don't worry about the safety of my 4pis with consideration to the fact the interior is still under construction. 1/2" OSB will cover the front of the baffle wall until the space is finished, and will then be replaced by the AT screen.