Subject: bracing theater pi 7's
Posted by replay on Fri, 23 Mar 2001 19:40:37 GMT
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hi wayne, my cabinet maker is building the cabinets now. your plans do not mention bracing. can i do with out? he's using 15 ply russian birch ply 3/4". also your thoughts on placing tiptoes on the base of the cabinents.p.s. great idea adding the forum

Subject: Bracing
Posted by Wayne_Parham on Sat, 24 Mar 2001 00:02:07 GMT
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I recommend placing braces every 18". For the larger bass reflex and cornerhorns, the best way to do this is with 2" x 3/4" hardwood stock fastened perpendicular between panels and connecting them. So in your case, I would connect the front and back baffle panels together with two braces - one placed between the woofer and cabinet bottom and one half way between the woofer and the top. It's easy and effective.Also use the braces as a place to put R11 or R13 spanning the cross-section of the cabinet. You want insulation to cover three-sides of the cabinet's interior, and in large cabinets you also want to break it up into sections seperated with sheets of insulation spanning the cross-section. It does a great job of trapping unwanted midrange reflections but bass will pass right through.

Subject: Re: bracing theater pi 7's
Posted by jlharden on Sun, 25 Mar 2001 19:47:15 GMT
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Hi, I have considered braces utilizing threaded rod and turnbuckles. I wouldn't think you would need very large rod because of the strength of the steel. You could use the turnbuckles to provide the exact amount of pull or push on the opposing panels. With the small amount of raw materials used you shouldn't have to adjust much for the displacement. The only thing that I think to consider and have discussed lightly with Wayne is resonance of the steel. I think we decided it to be a non issue. Just more food for thought. Jerrod