



As drawn the speaker vents through a throat chamber into a 29" wide horn slot. Another possibility would be venting into a horn slot that widens from the speaker to meet the 29" width at the first right angle box corner from the throat. Obviously, it would be easiest to have the speaker coupled to the horn through a full size circular opening, e.g.: about 14" Dia. for the 401SLF.

From the simulations, the throat chamber volume and cross-sectional area affect the impulse response quite drastically. Just from bad past experiences, the 1/2" material should be very well cross-braced and stiffened (or replaced w/ 3/4"). The woodworking is made easier by keeping the horn wall sections at 90° angles with each other. The woofer mounting should be doubled and stiffened as shown.

