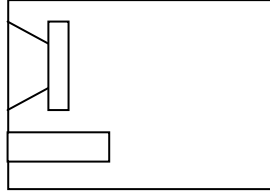
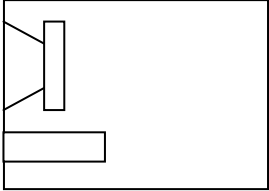
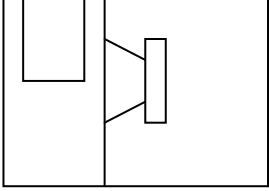
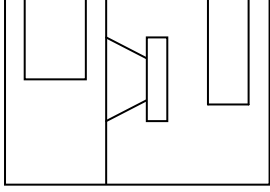
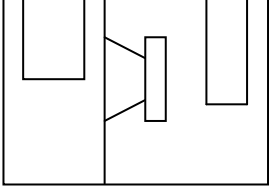


Construction plan for AUDIO SYSTEM Subwoofer (Volume includes Subwoofer and Port)

BOX	HELON 12 SPL	HELON 15 SPL	THIELE SMALL PARAMETER
<p>PORTED (Bassreflex)</p>	 <p>V = 70 l d = 15 cm l = 25 cm f = 47 Hz</p>	 <p>V = 95 l oder V = 120 l d = 15 cm d = 20 cm l = 24cm l = 30 cm f = 40 Hz f = 42 Hz</p>	<p><u>HELON 15</u></p> <p>f_s = 36 Hz Q_{ts} = 0.45 V_{AS} = 64 L</p>
<p>ISOBARIC 5th (Einfach-ventilierter Bandpass)</p>		 <p>V₁ = 60 l V₂ = 35 l d = 20 cm l = 27 cm f = 60 Hz</p>	<p><u>HELON 12</u></p> <p>f_s = 38 Hz Q_{ts} = 0.51 V_{AS} = 30 L</p>
<p>ISOBARIC 7th (Doppel-ventilierter Bandpass)</p>	 <p>V₁ = 25 l V₂ = 50 l d₁ = 15 cm d₂ = 10 cm l₁ = 20 cm l₂ = 22 cm f₁ = 82 Hz f₂ = 40 Hz</p>	 <p>V₁ = 50 l V₂ = 85 l d₁ = 20 cm d₂ = 12,5 cm l₁ = 18 cm l₂ = 27 cm f₁ = 76 Hz f₂ = 36 Hz</p>	
<p>Original Boxes</p>	<p>HELON 12 BR HELON 12 BP</p>	<p>HELON 15 BR HELON 15 BP</p>	