

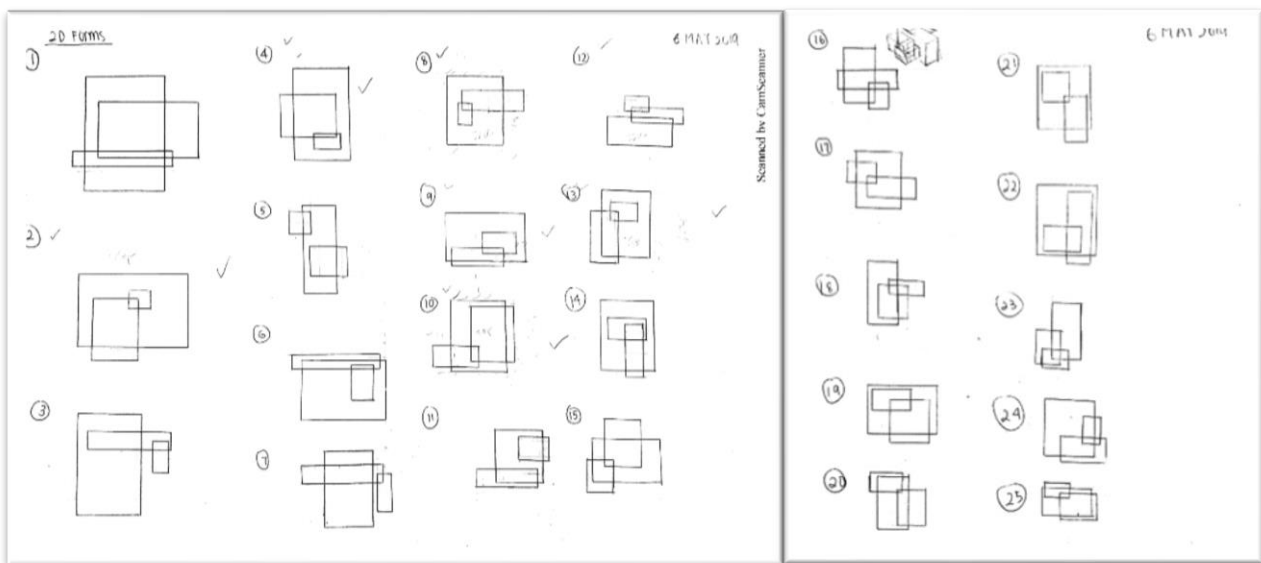
PAE PROJECT 1 (PART 2) – The Balance of Proportions

Name: Chua Fu Yi, Clarice

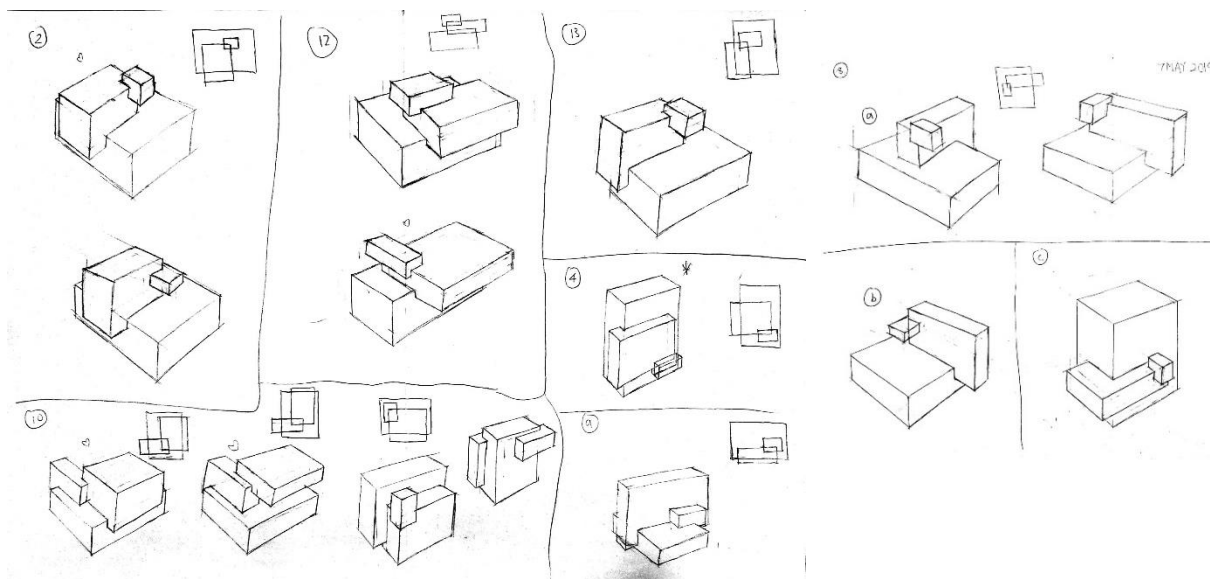
Student No.: S10186862E

Product Portfolio

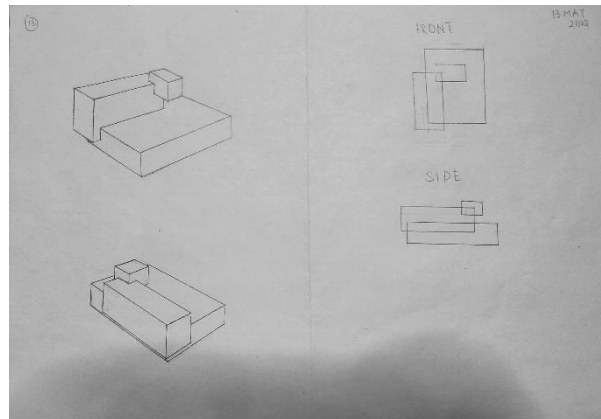
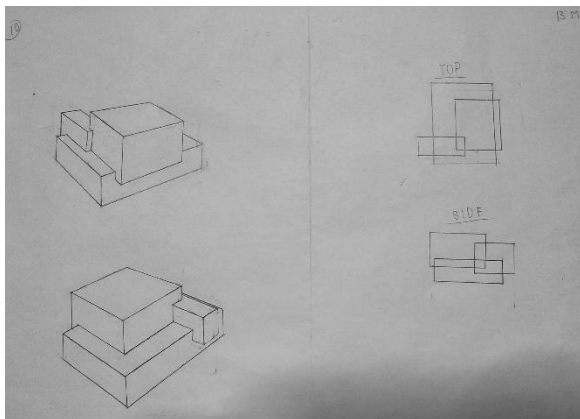
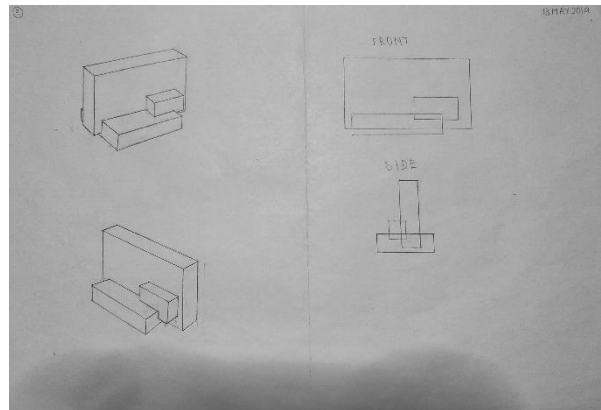
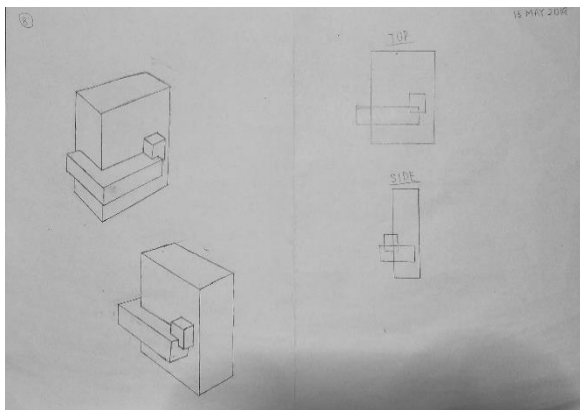
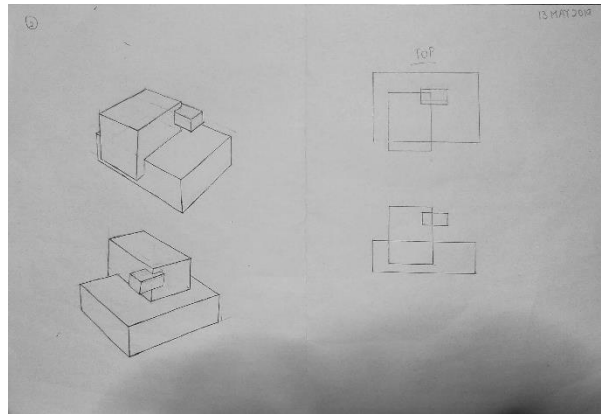
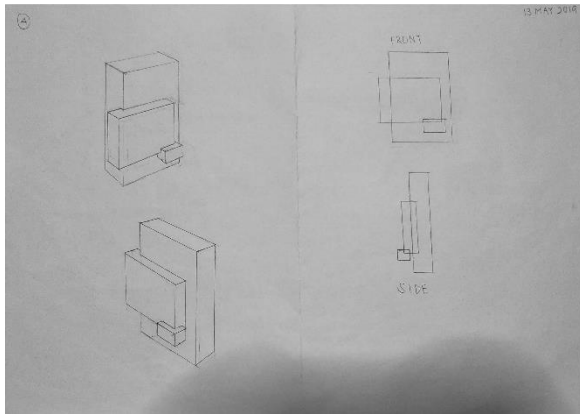
1 25 side view sketches



2 Configuration Exploration

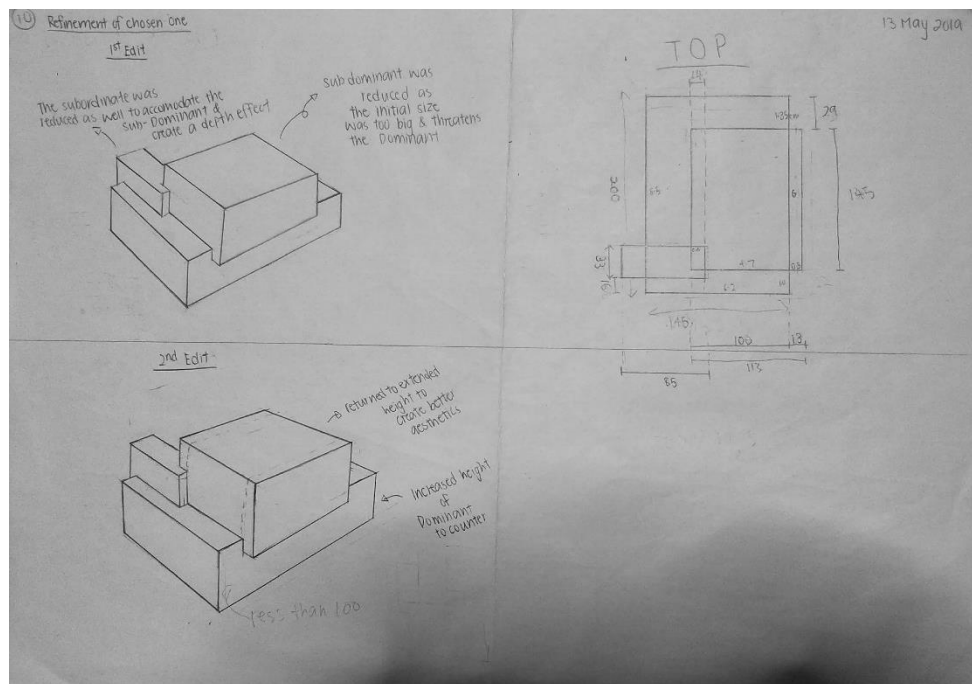


3 Final 6 configurations

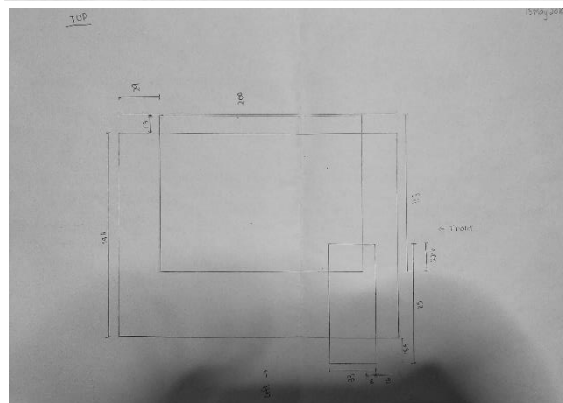
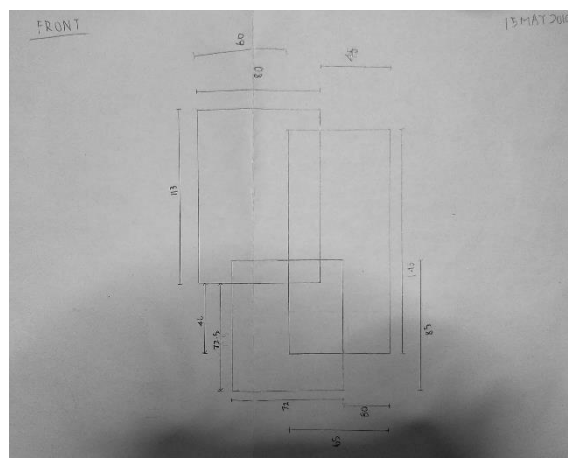
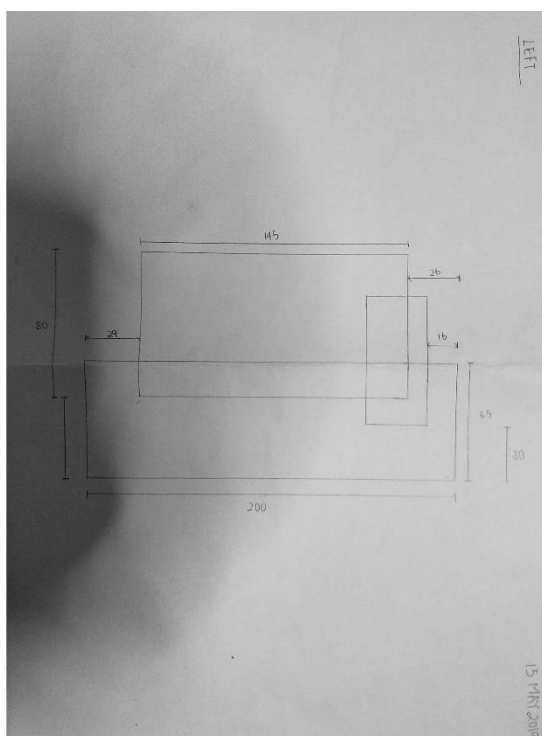


Final

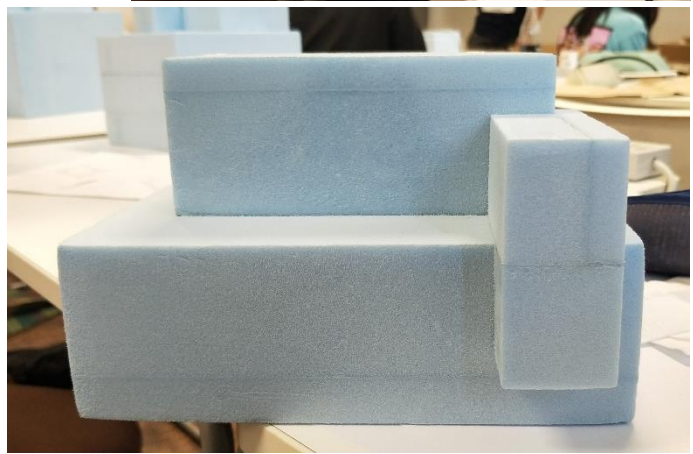
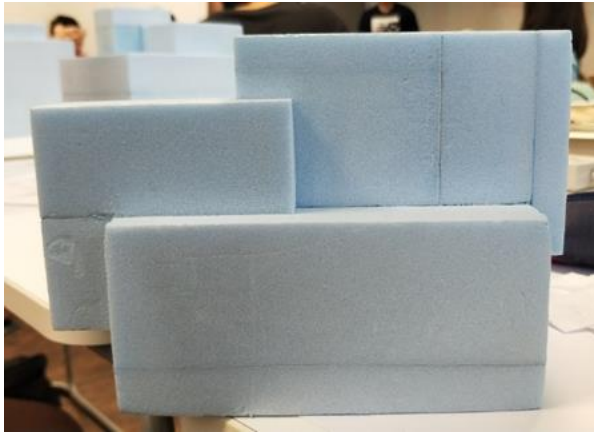
4 Refinement



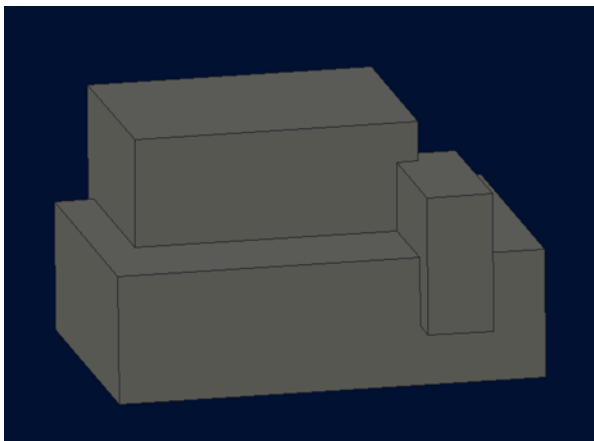
5 Final Dimension



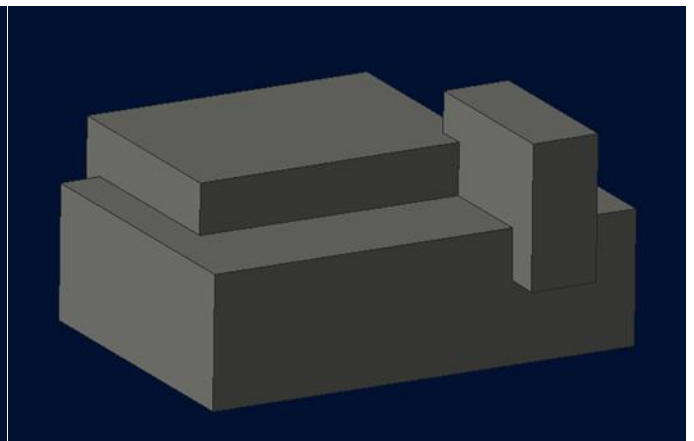
6 Blue Foam Model



7 Adjustments Made to Improve Proportion

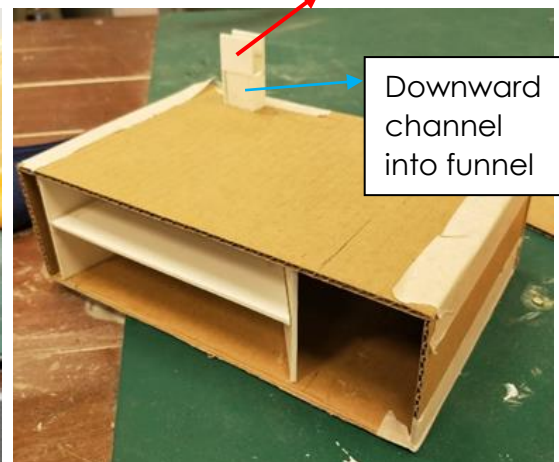
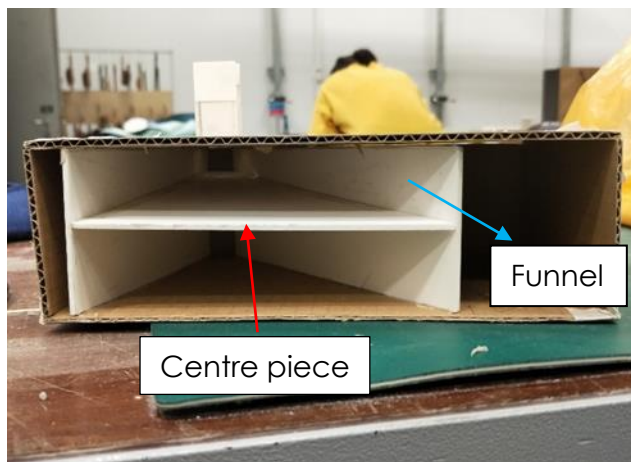


Original



Final

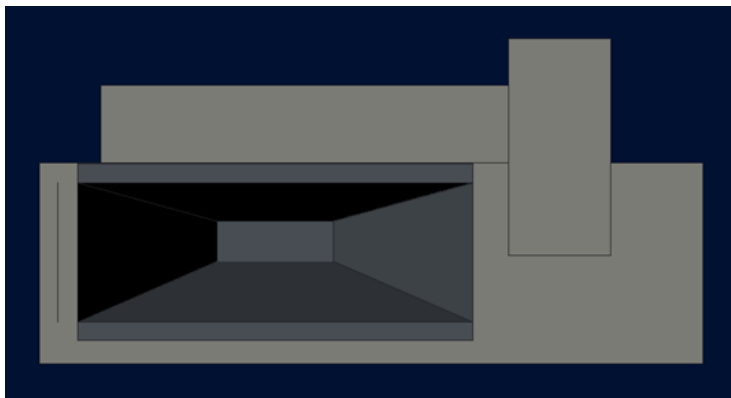
8 Prototype



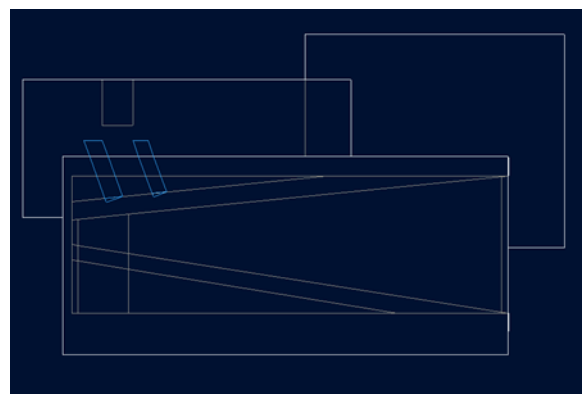
Problems Identified:

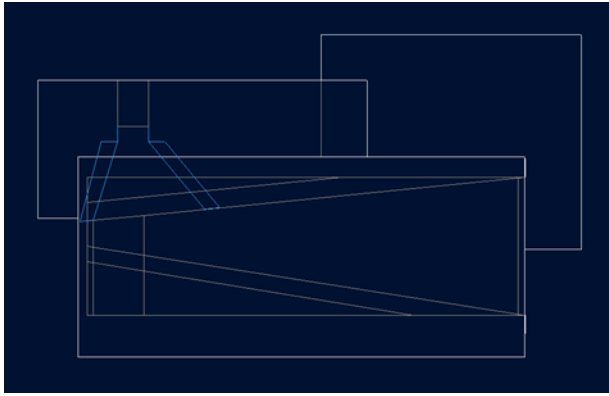
- Only centre piece angled downwards = Sound travelling downwards
- Excess space behind downward channel = Affected sound quality

9 CAD drawing

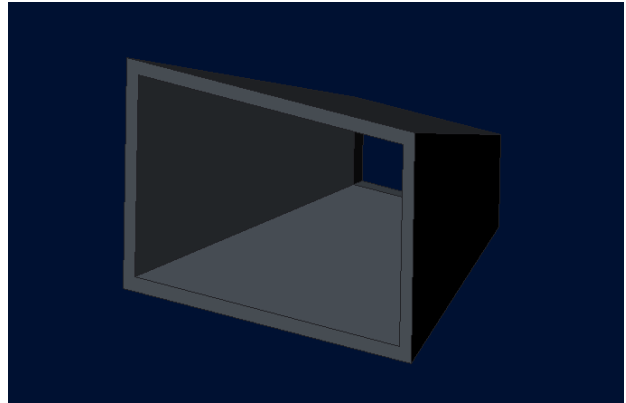
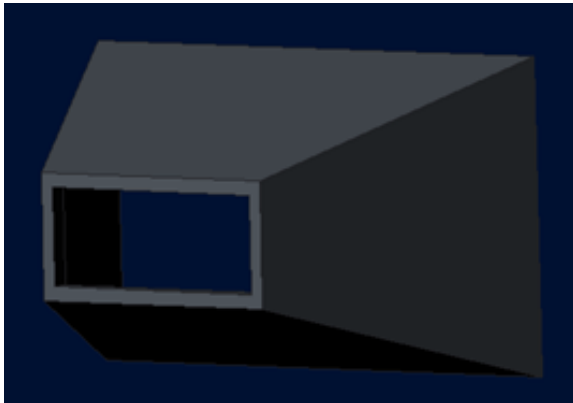


Initial downward channel





Improved downward channel,
from parallel to tapered



10 Final Sound Box

