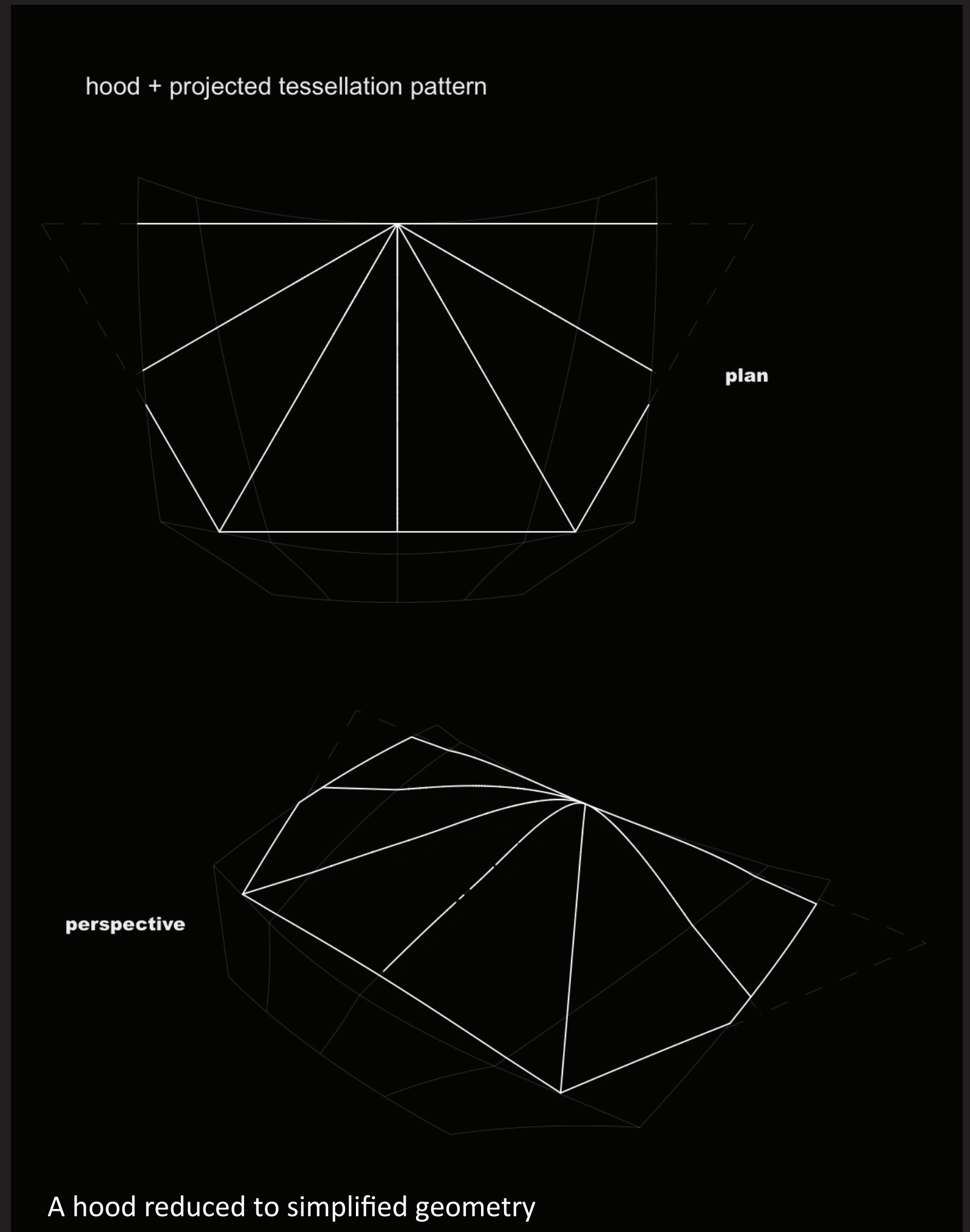
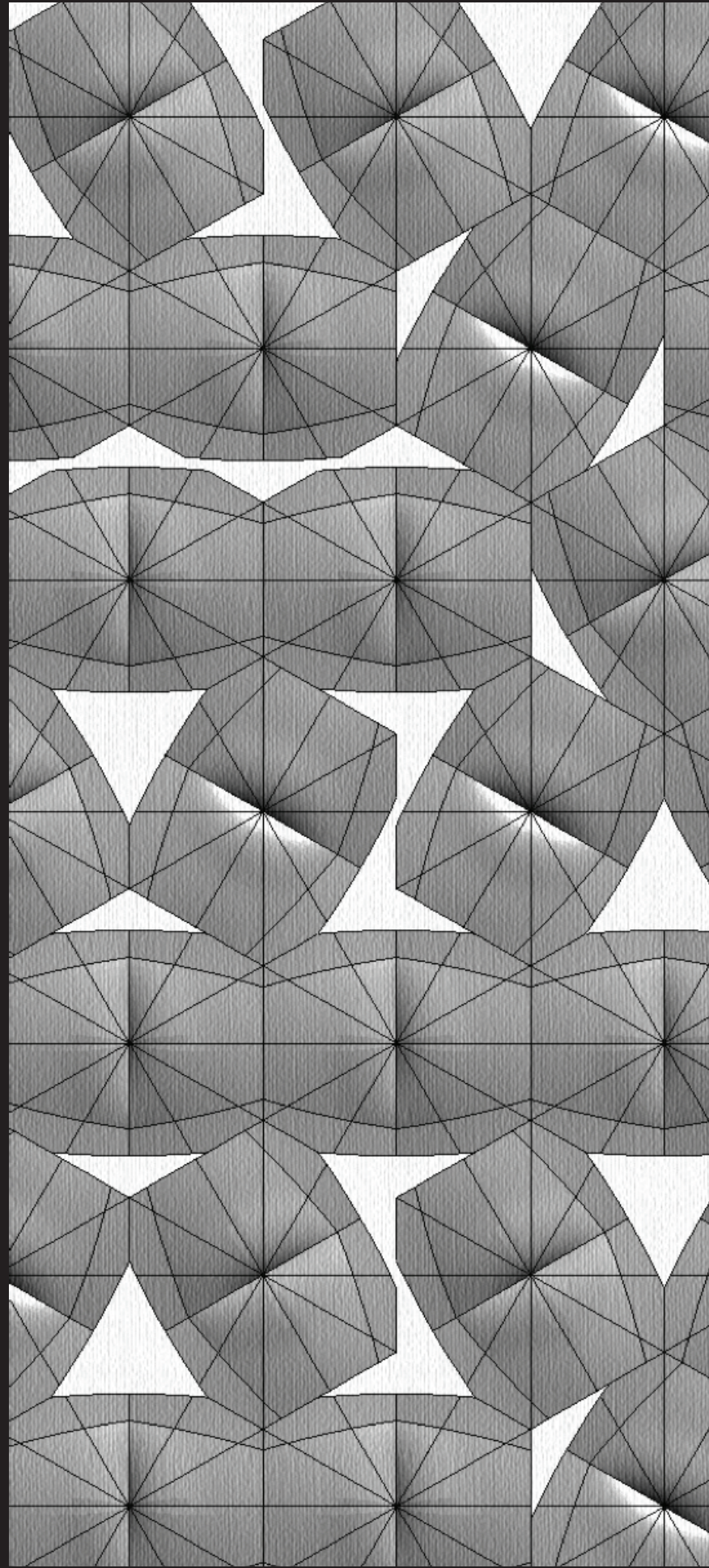
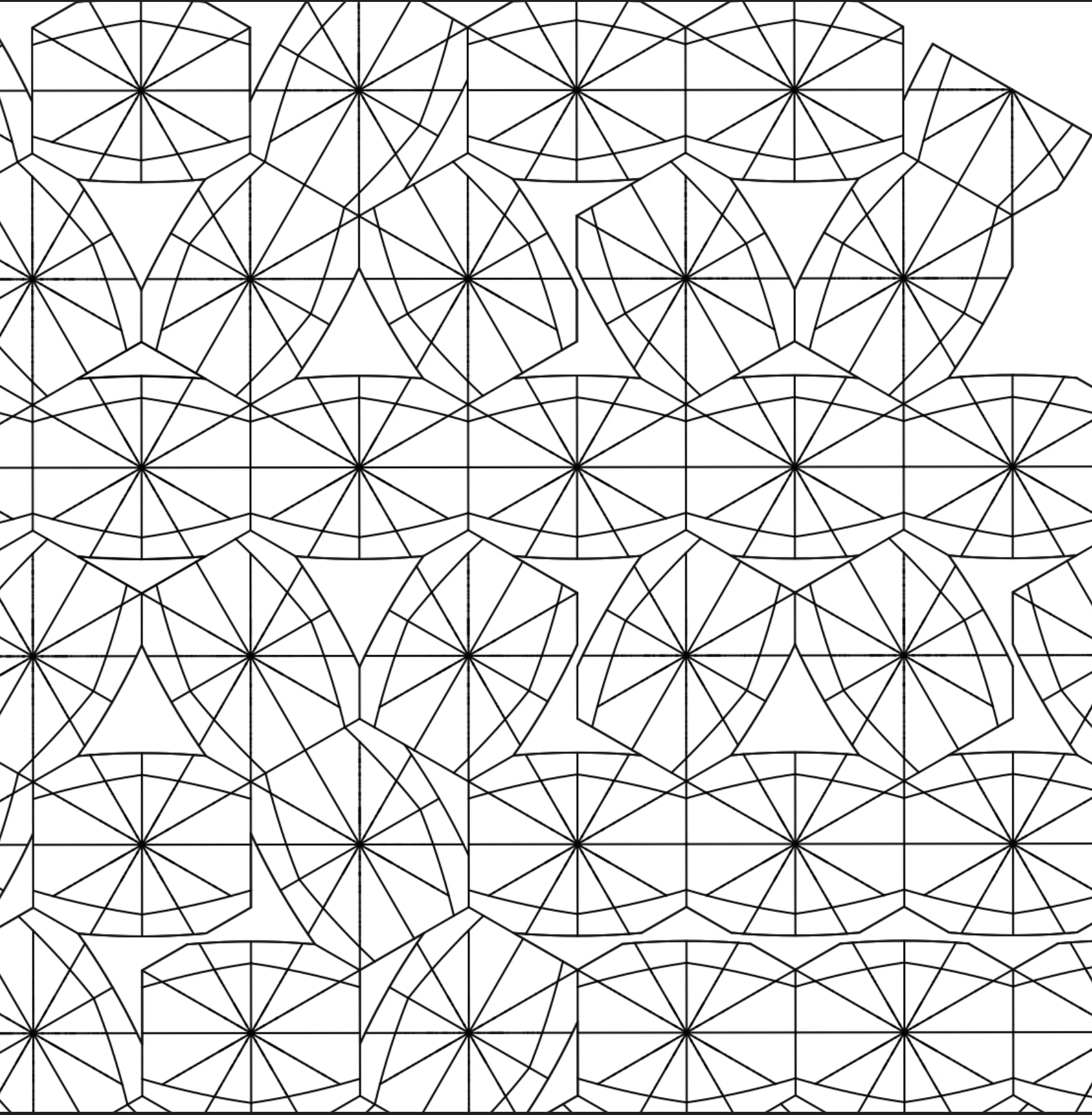
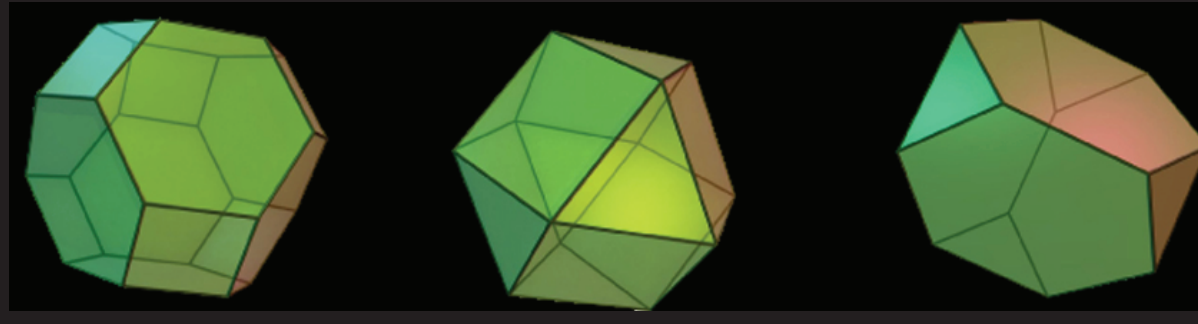
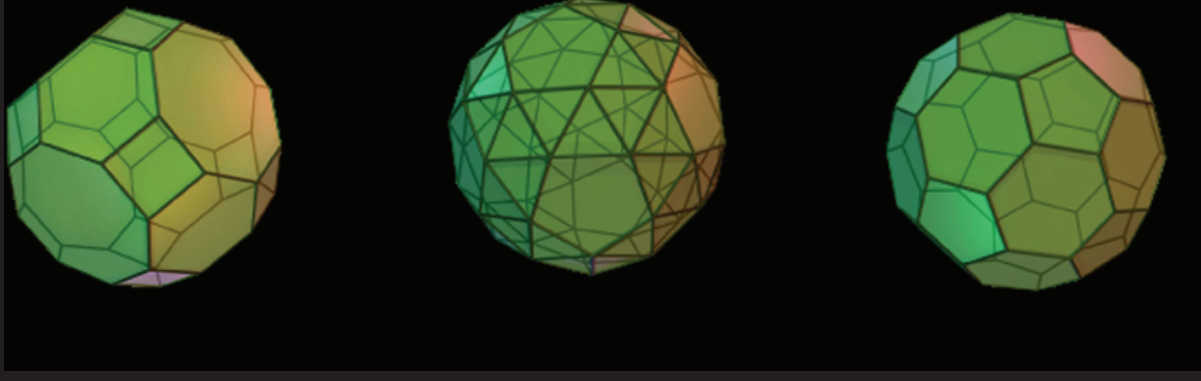
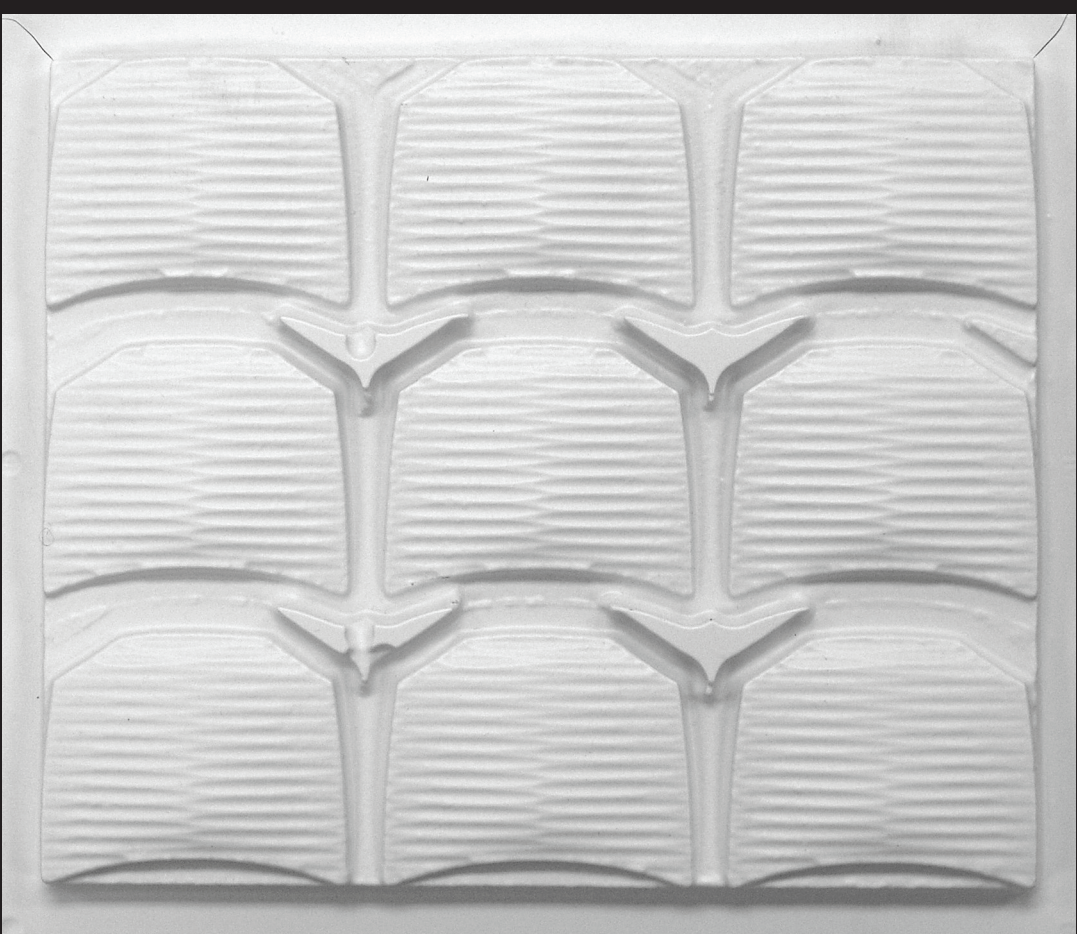


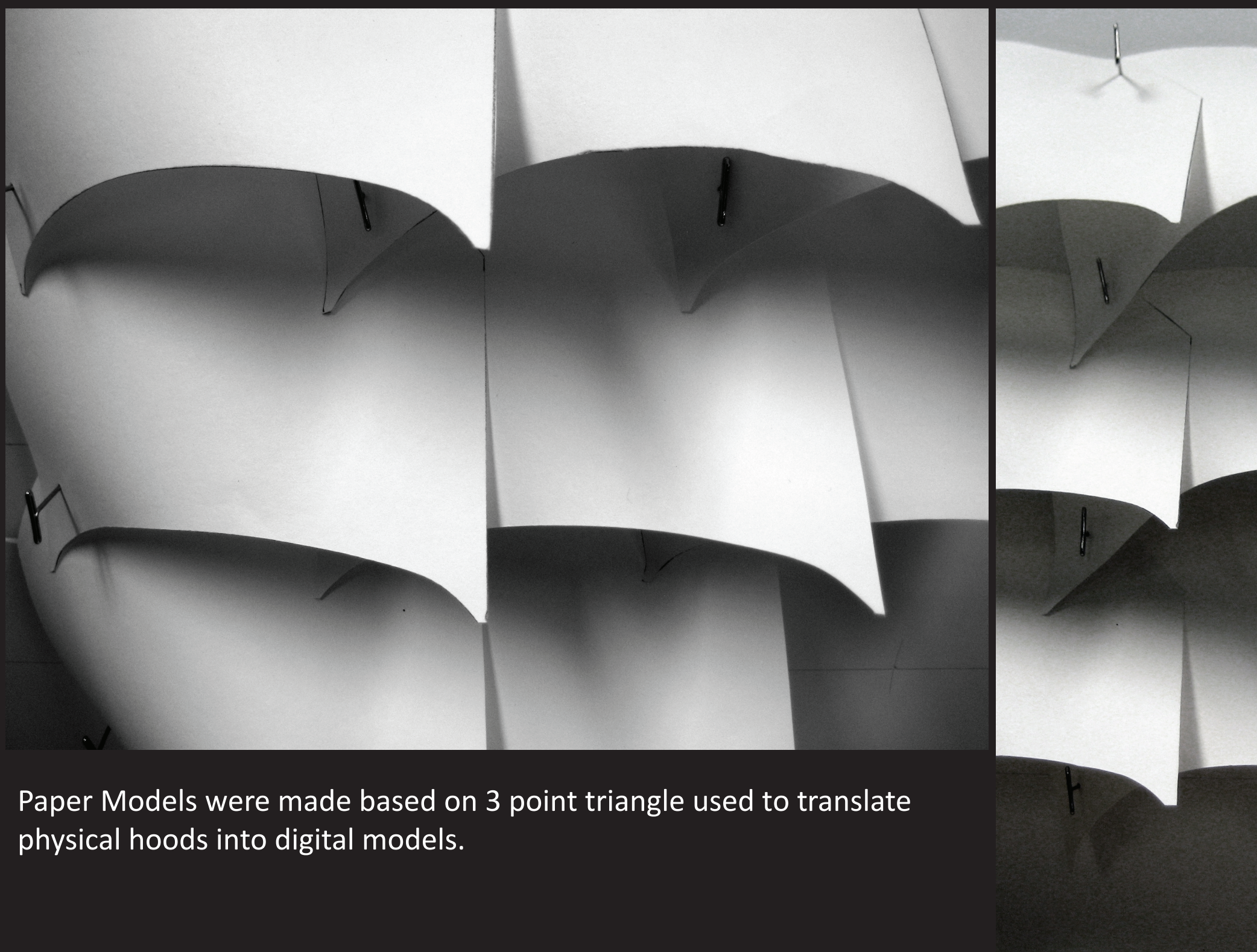
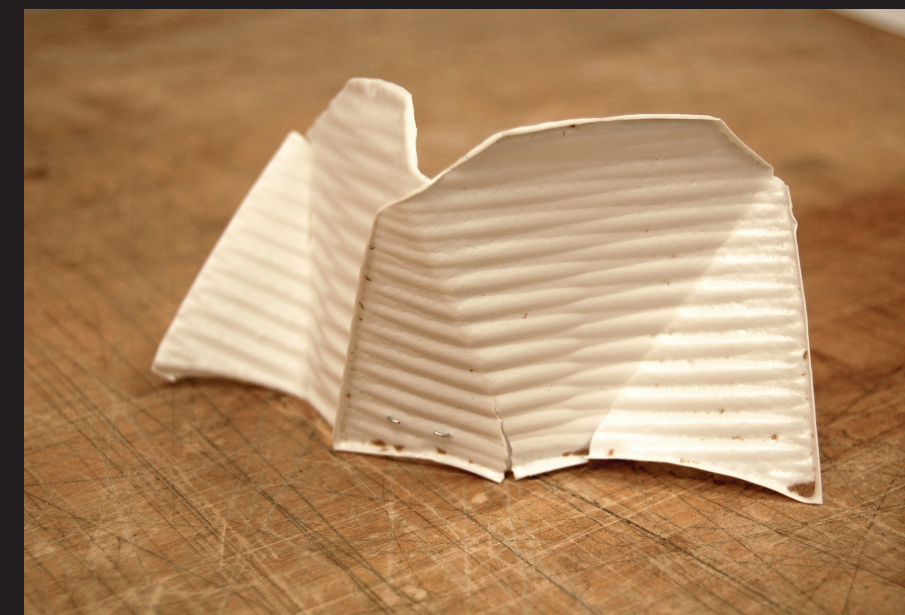
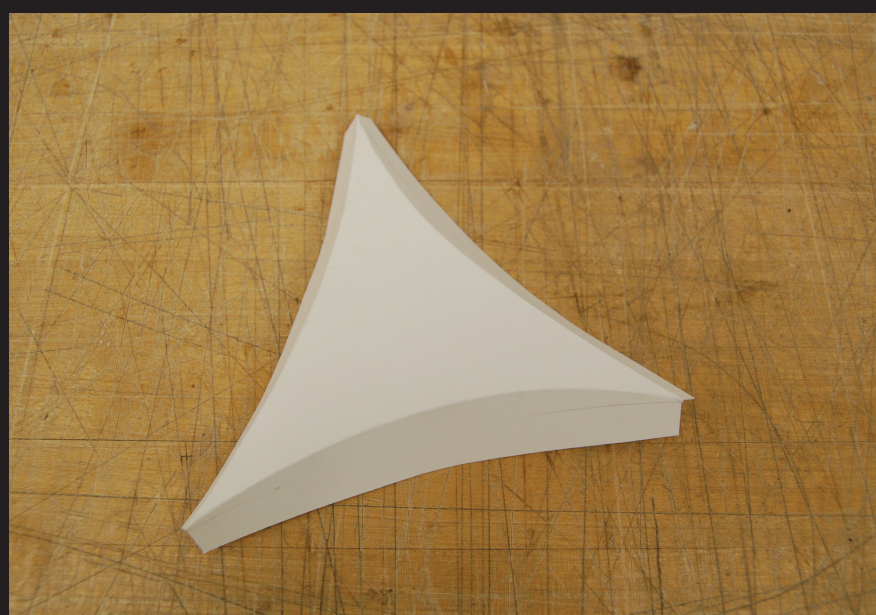
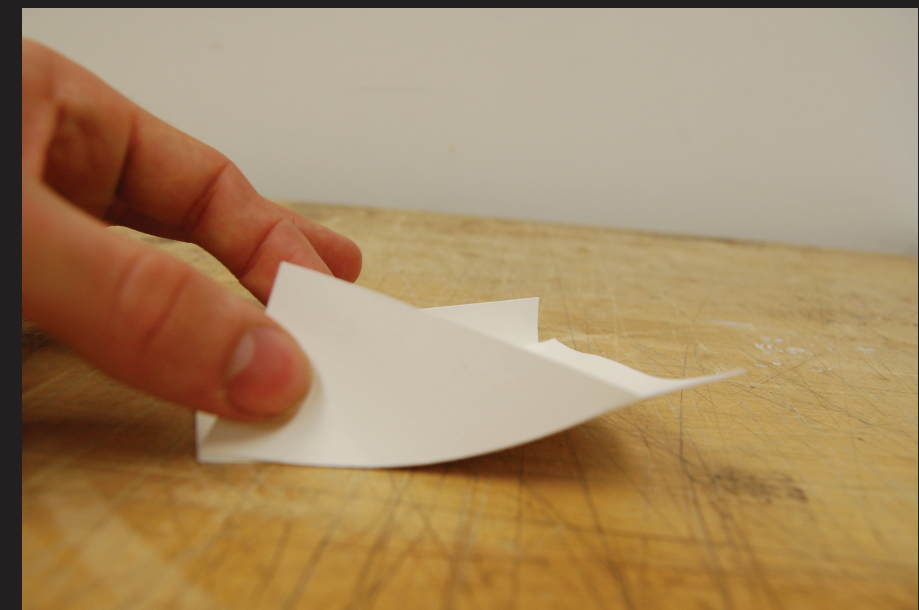
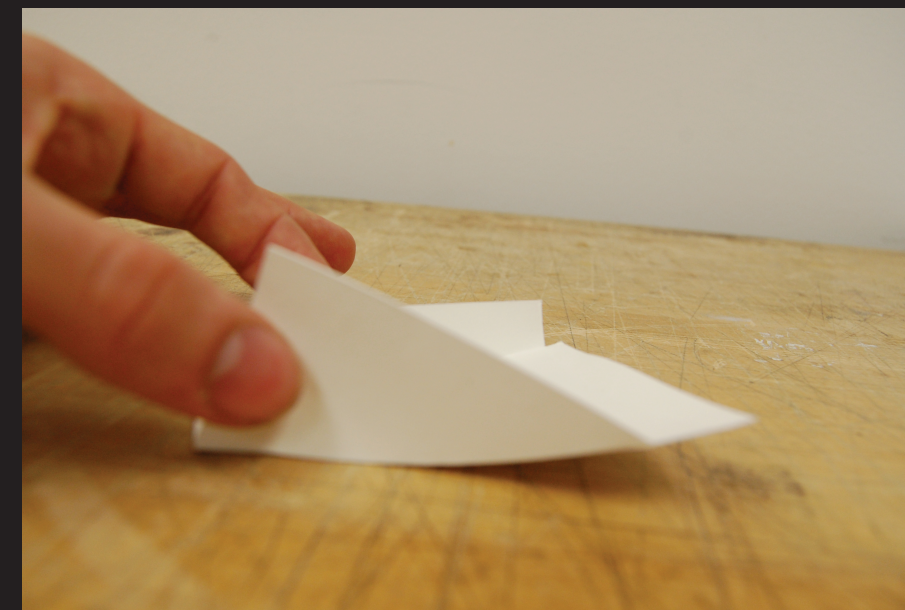
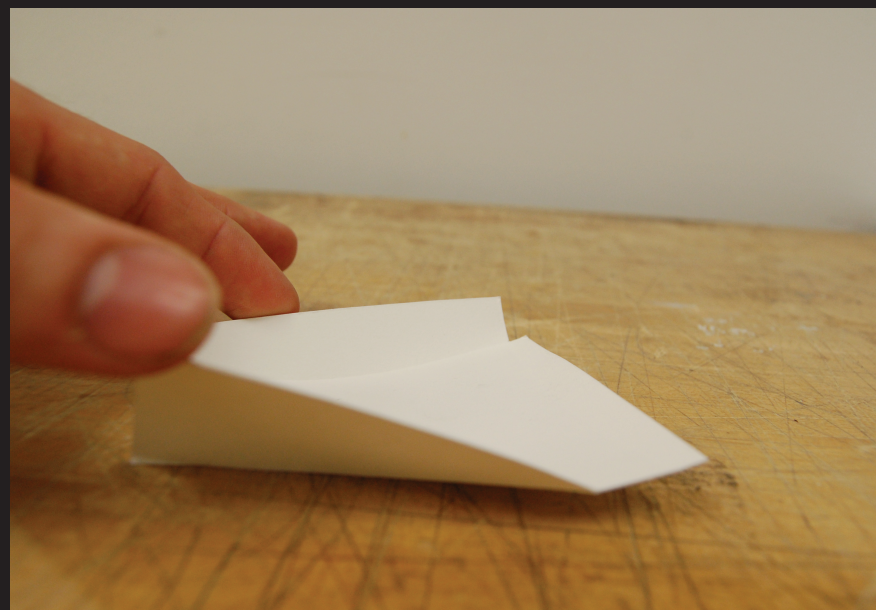
Geometric Exploration



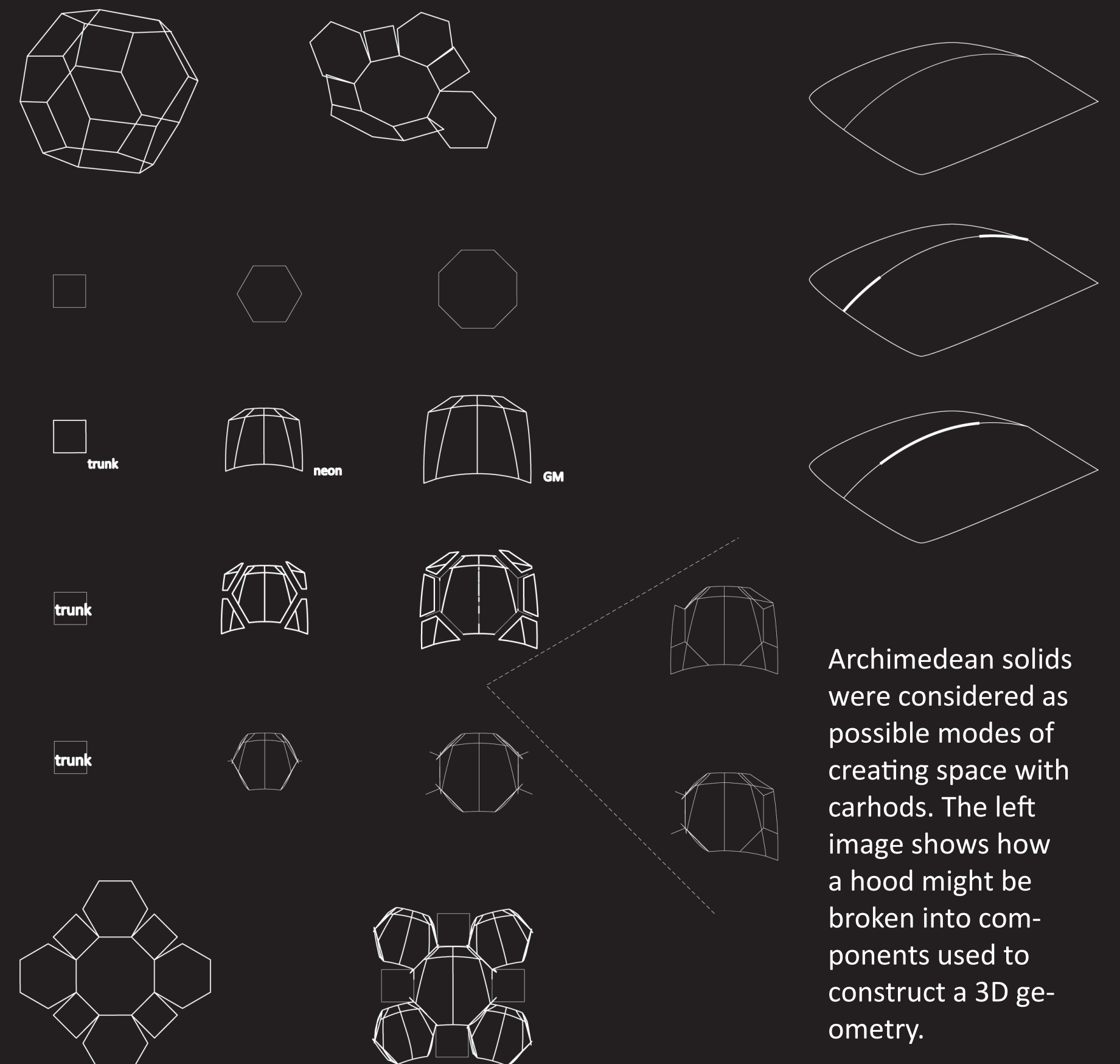
Physical Hood was reduced to simple geometry for the purpose of digital translation. Once translated, a tessellation pattern was applied to the hood. The hood created a special type of tessellation called Penrose. In this type, seams between shapes are staggered, creating the possibility for greater structural stability.



Once digitized, the hood was scaled down and a positive mold was made using MDF and a CNC router. The mold was translated to polystyrene using a vacuum former.



Paper Models were made based on 3 point triangle used to translate physical hoods into digital models.



Archimedean solids were considered as possible modes of creating space with carhods. The left image shows how a hood might be broken into components used to construct a 3D geometry.