

Zoe Nye
Carlos Cuadrado

ARCHITECTURAL CERAMIC ASSEMBLIES WORKSHOP
ARC 404 | OMAR KHAN
SPRING 2020

Sequence

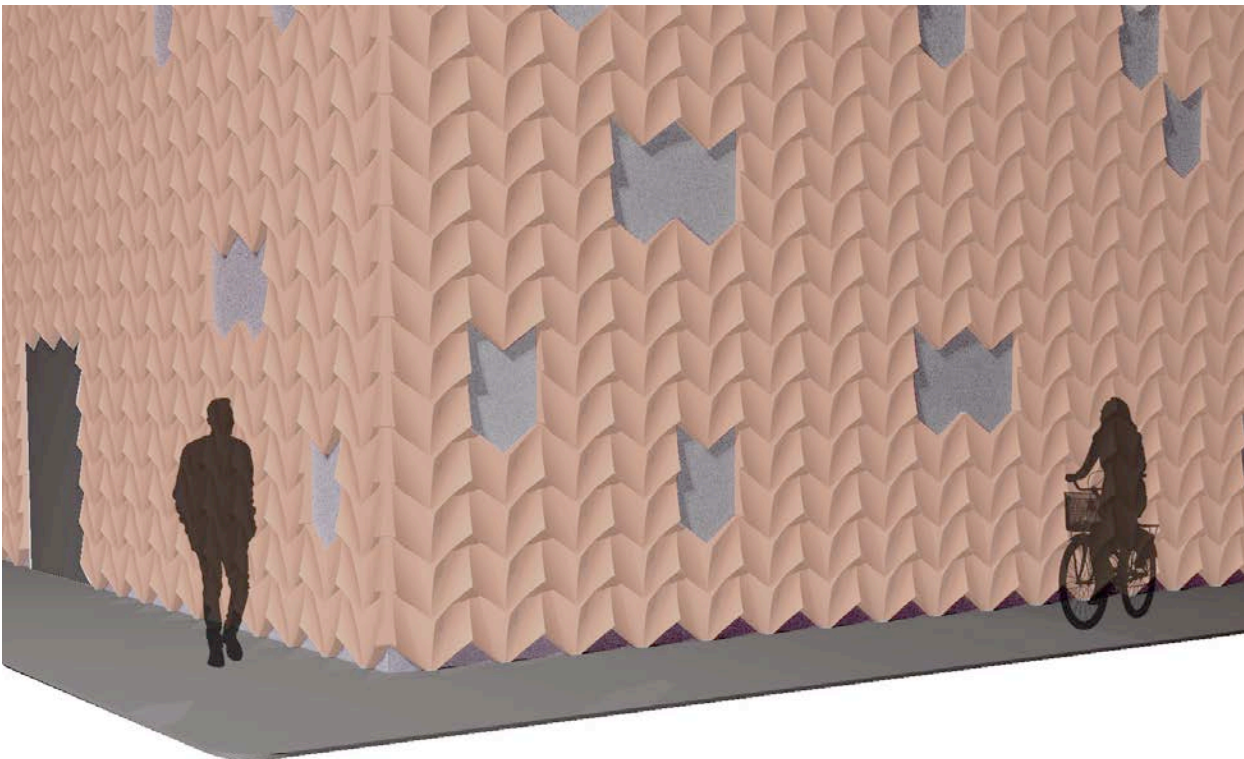
Carlos Cuadrado

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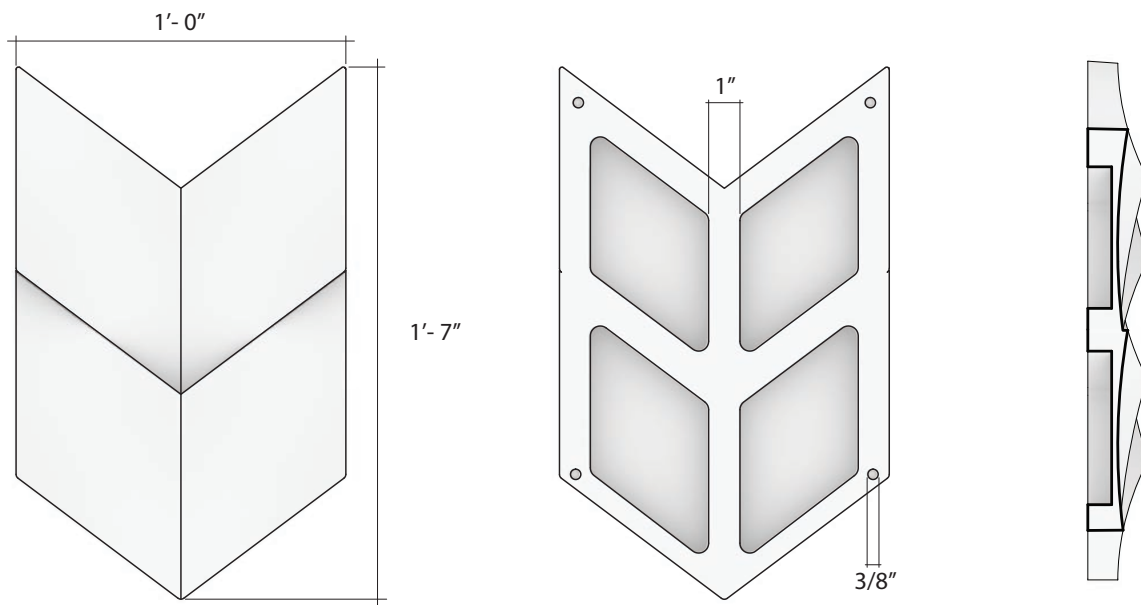
The purpose of this project is to discover the design and manufacturing of architectural terra cotta. Through our design, we were able to create a unique panel that can be aggregated to form a rain screen. The design of the panel creates texture due to the varying heights of the sides. This also enables different types of shadows throughout the day. The sun creates different shapes and colors as it rises and sets.

This design would be created with the ram press for the most efficient and cost effective process. Each module is connected by a Monarch clip to a track running behind.

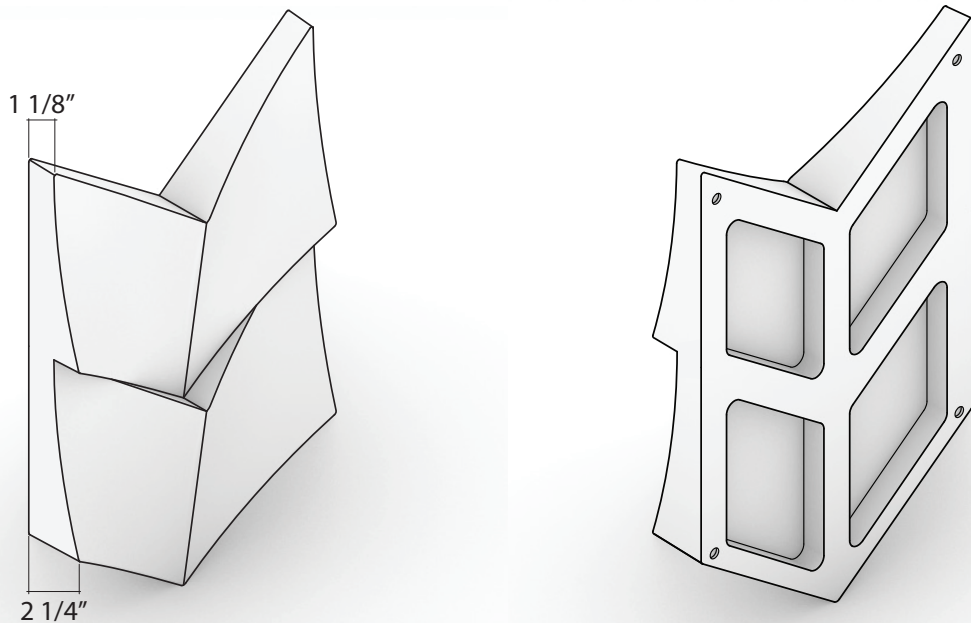
The name Sequence comes from the way these panels aggregate. They cannot be randomly placed, due to the shape and angles of the chevron. The equally placed modules create a "sequence".



Panel Design

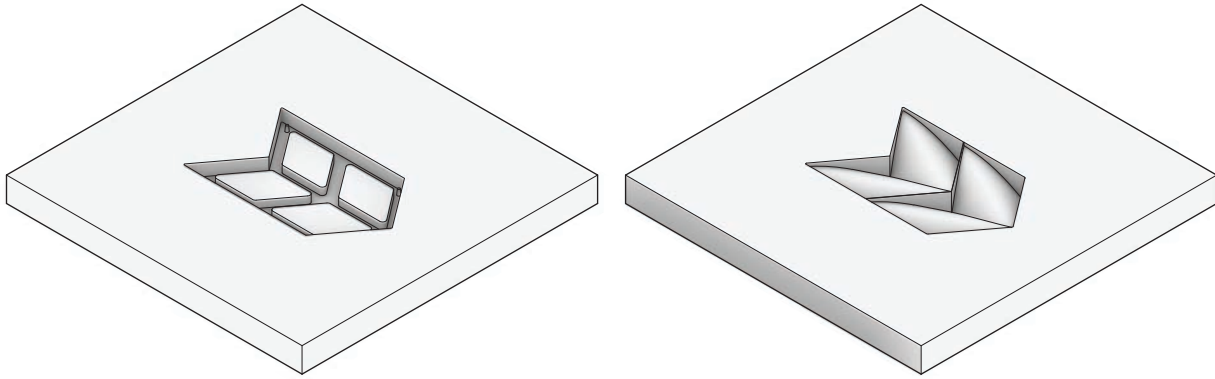


Module Elevations and Section:
The backside of the tile is cut out to remove material and help with an even drying

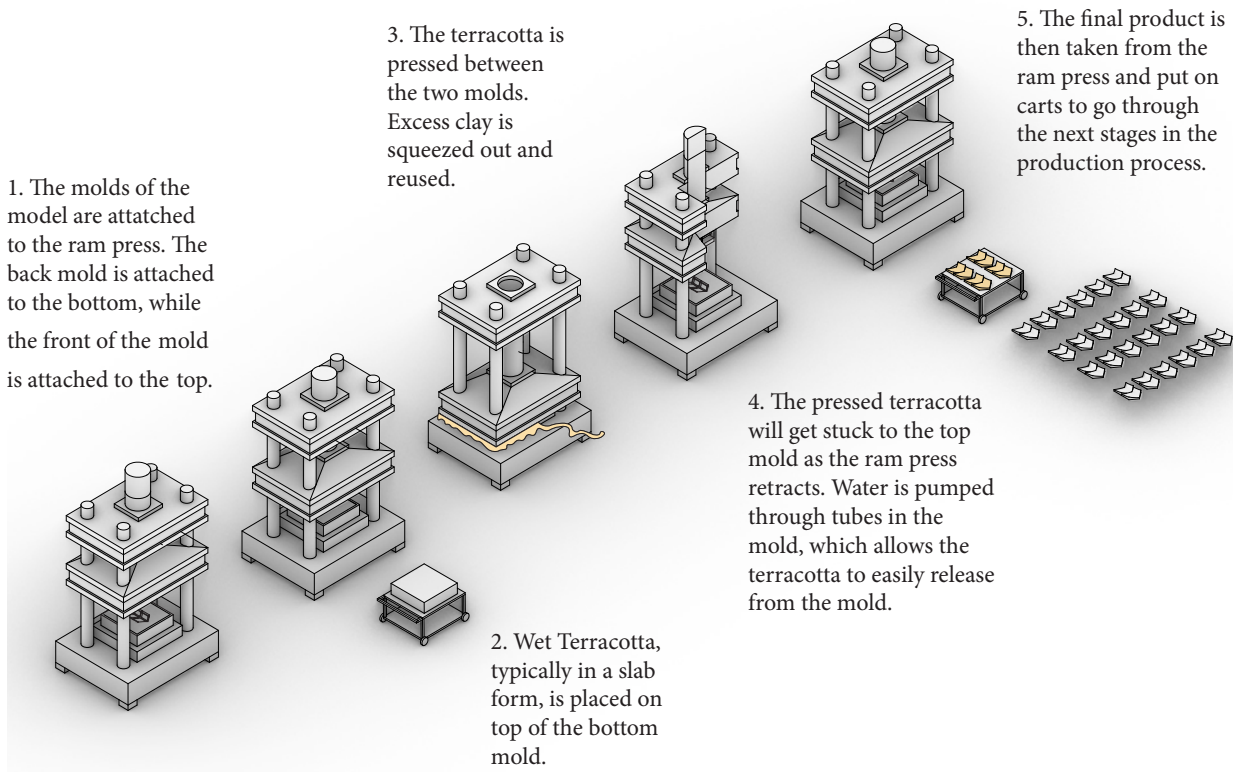


Isometric view of the front and back side of the module

Manufacturing Technique

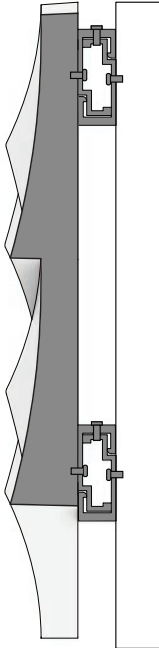


Isometric Mold Design

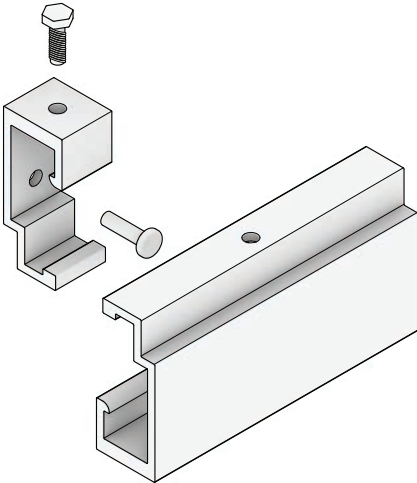


Ram Press Process

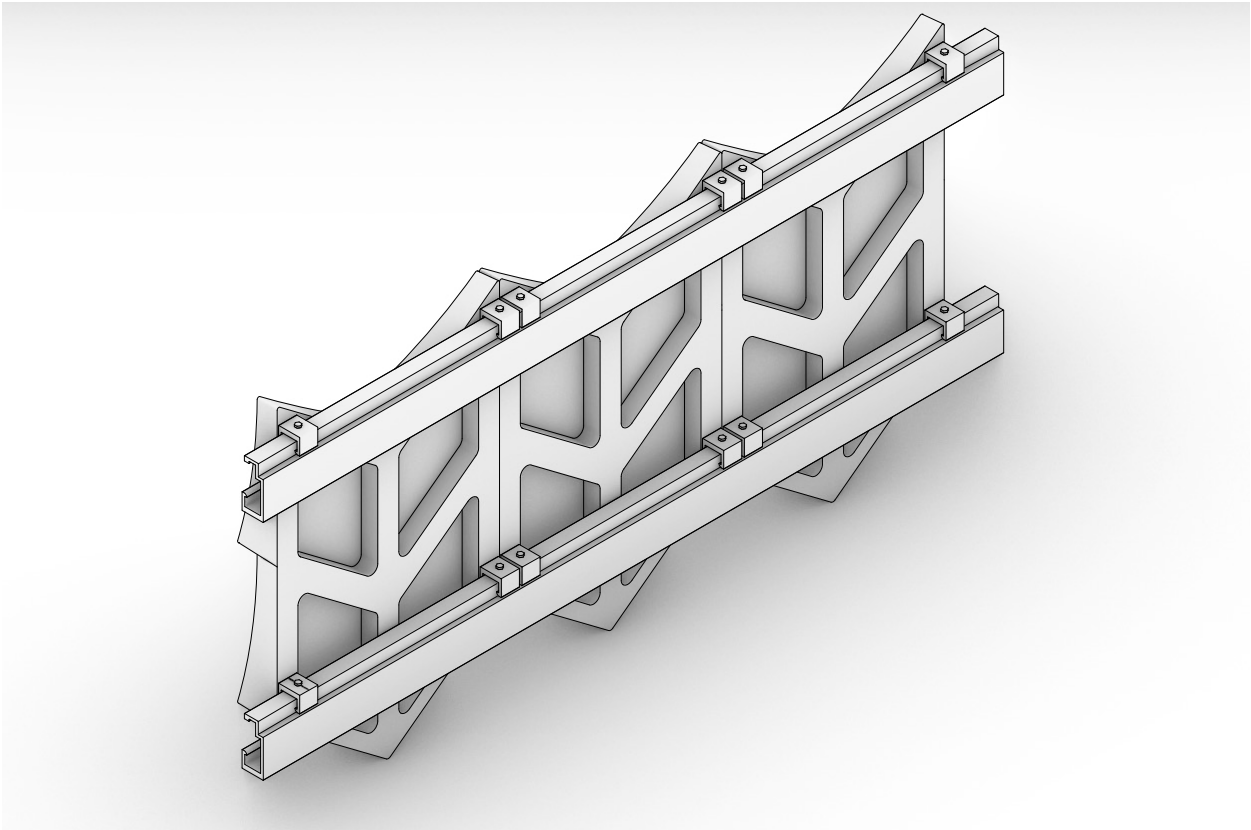
Construction Details



Section of connection detail

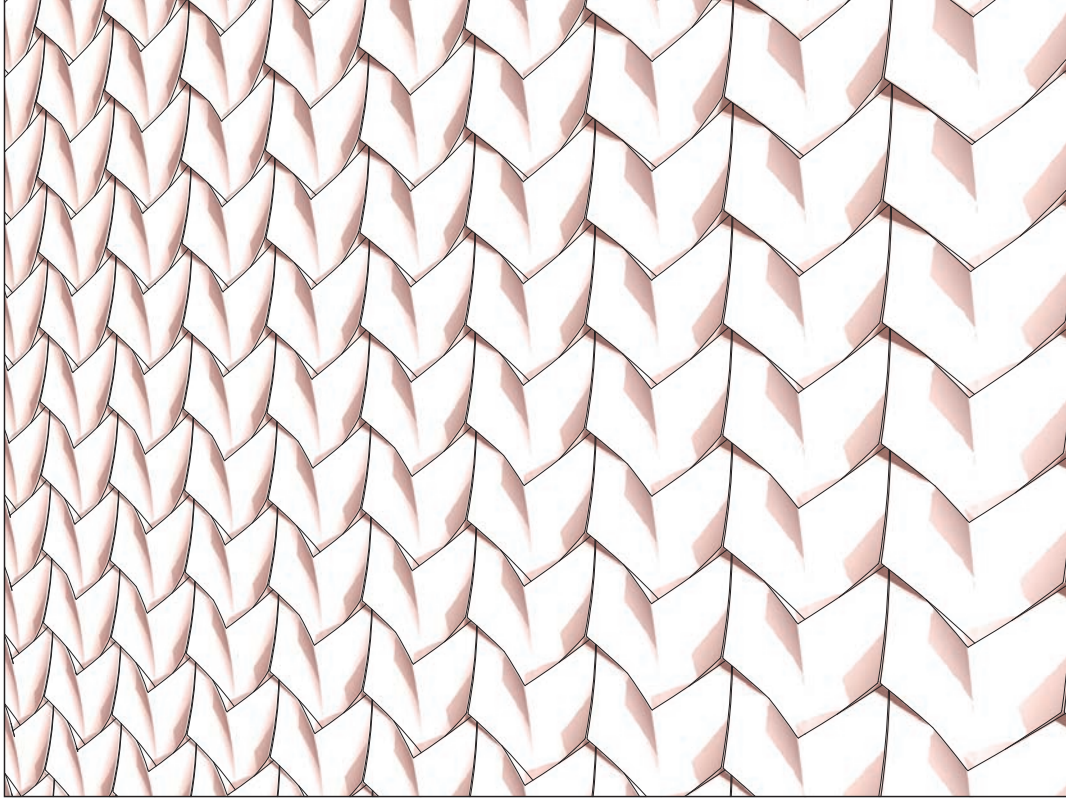


Isometric view of Monarch clip and track

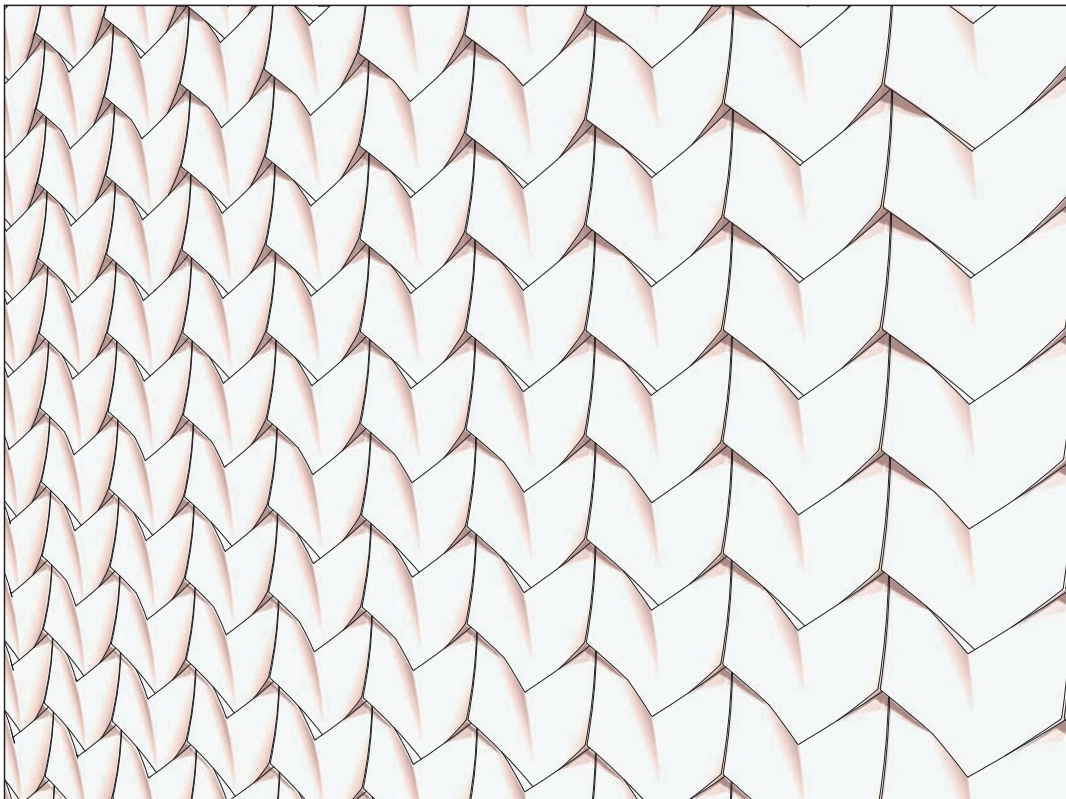


Isometric view of modules and track connection

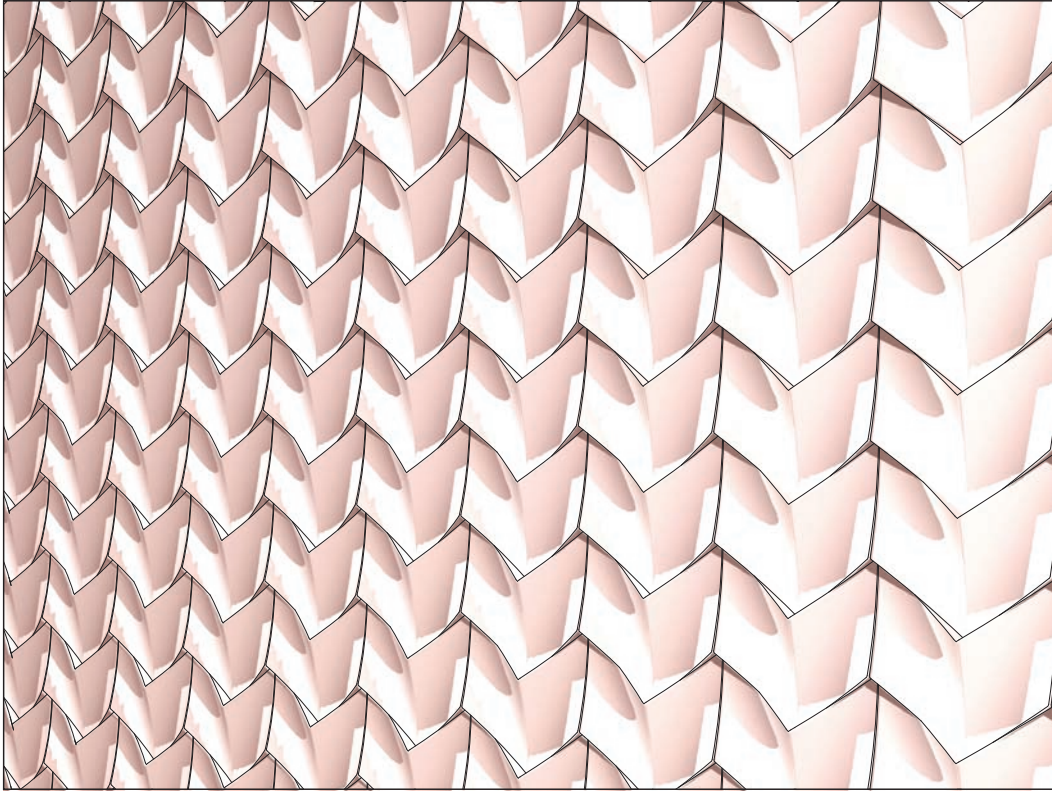
Performance



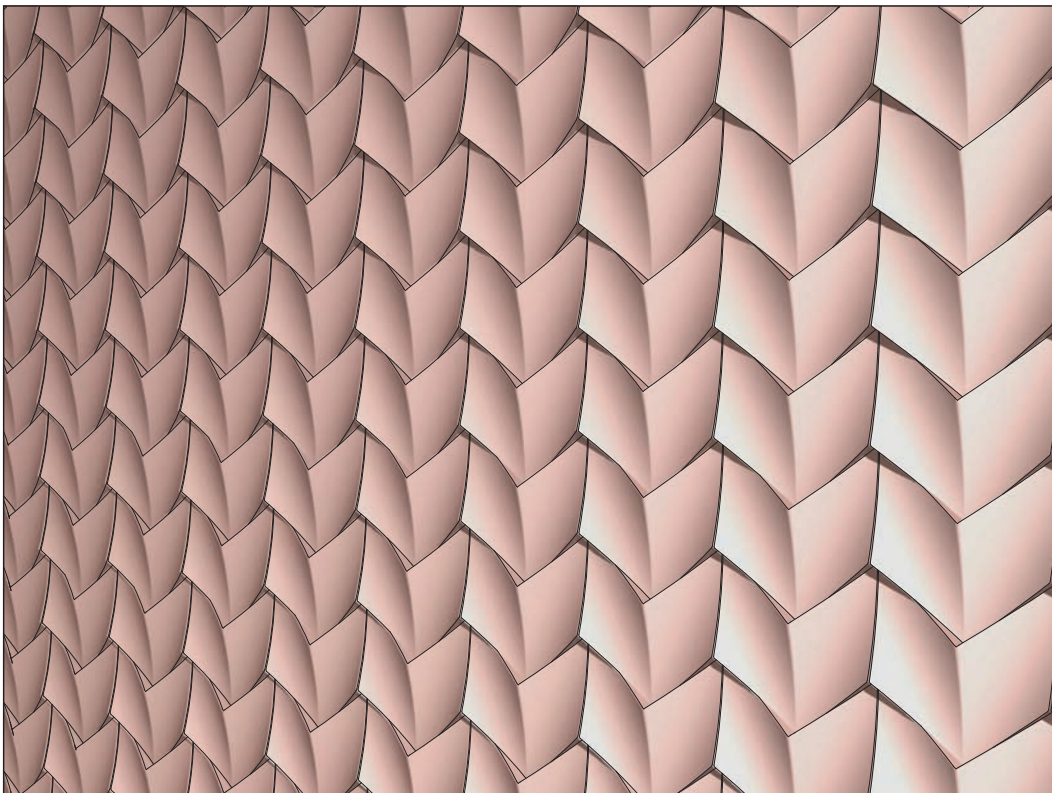
6am Render



10am Render



2pm Render



6pm Render