

Jack Heiser
Brian Nicpon

ARCHITECTURAL CERAMIC ASSEMBLIES WORKSHOP
ARC 404 | OMAR KHAN
SPRING 2020

Waterway

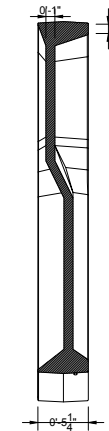
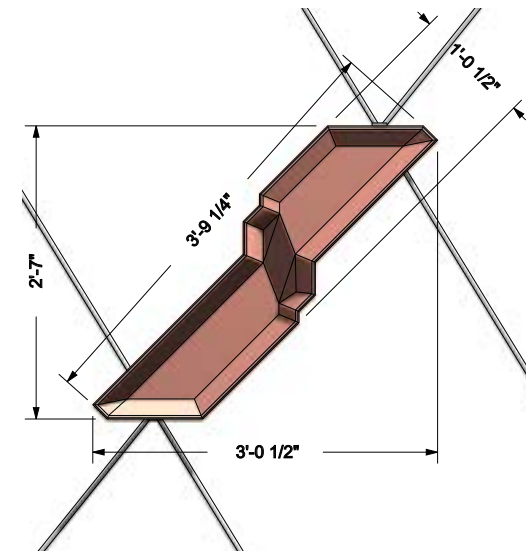
Jack Heiser
Brian Nicpon

Project Description: For our initial design proposal for this project, we wanted to create a free standing pavilion with a stepped tile that could stack and control water flow. As we moved forward, we realized that the sizing and mass of our tiles would be very difficult to manufacture. We decided to adjust the sizing of our tile and adapt the dry stacking method into a panel system that could be hung from a framing system as a facade. The tile has the stepped form to block rain and control its flow on it. The tiles are rested on metal "hook" that fits into a drilled hole in the tile. This hanger is then attached to a peice that the wires are fed through. The wires cross each other and the connector is fixed to the intersected point. With this assembly we can achieve the same visual apperance of a dry stacking system, but have it floating along the facade of a building.

Project Rendering

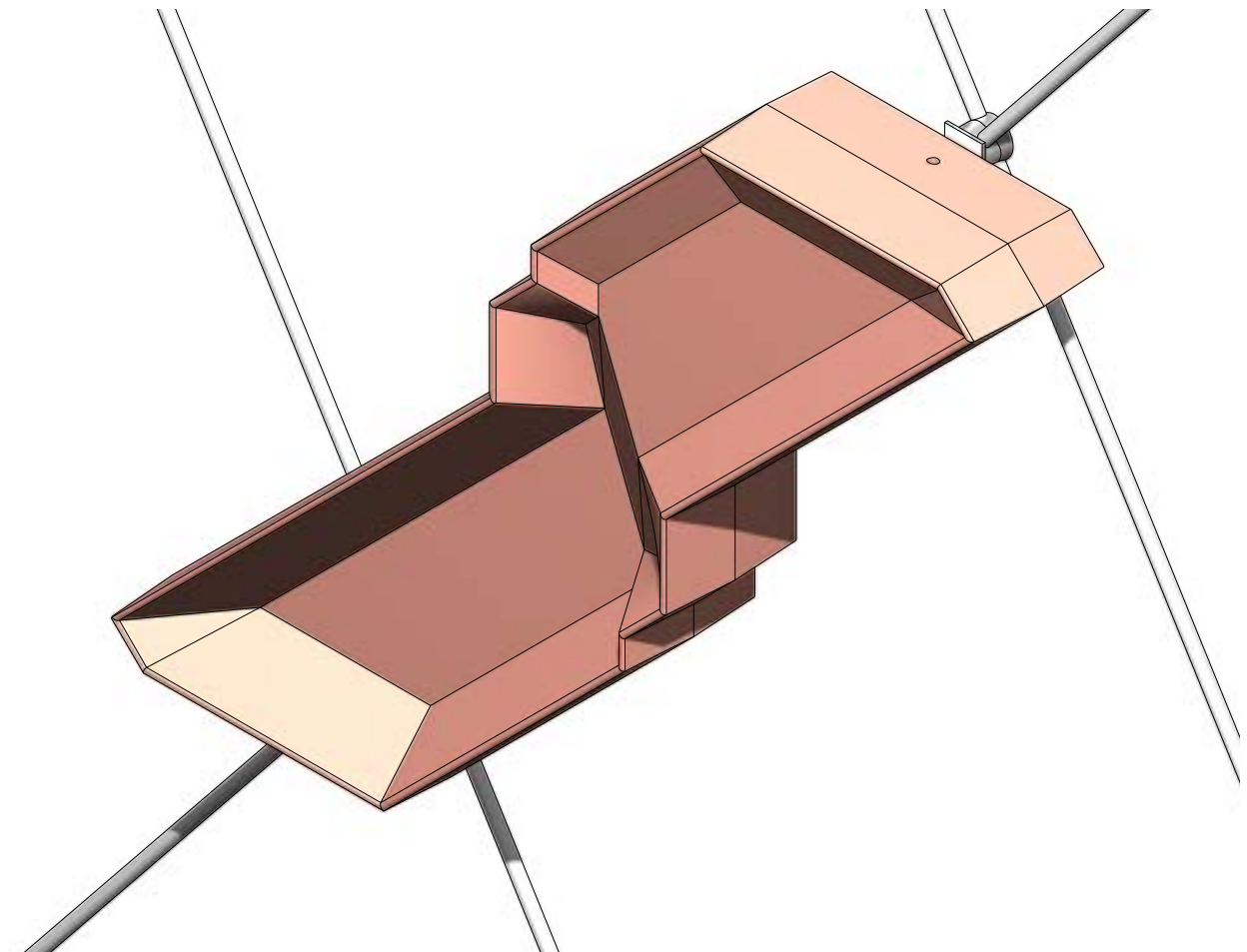


Panel Design

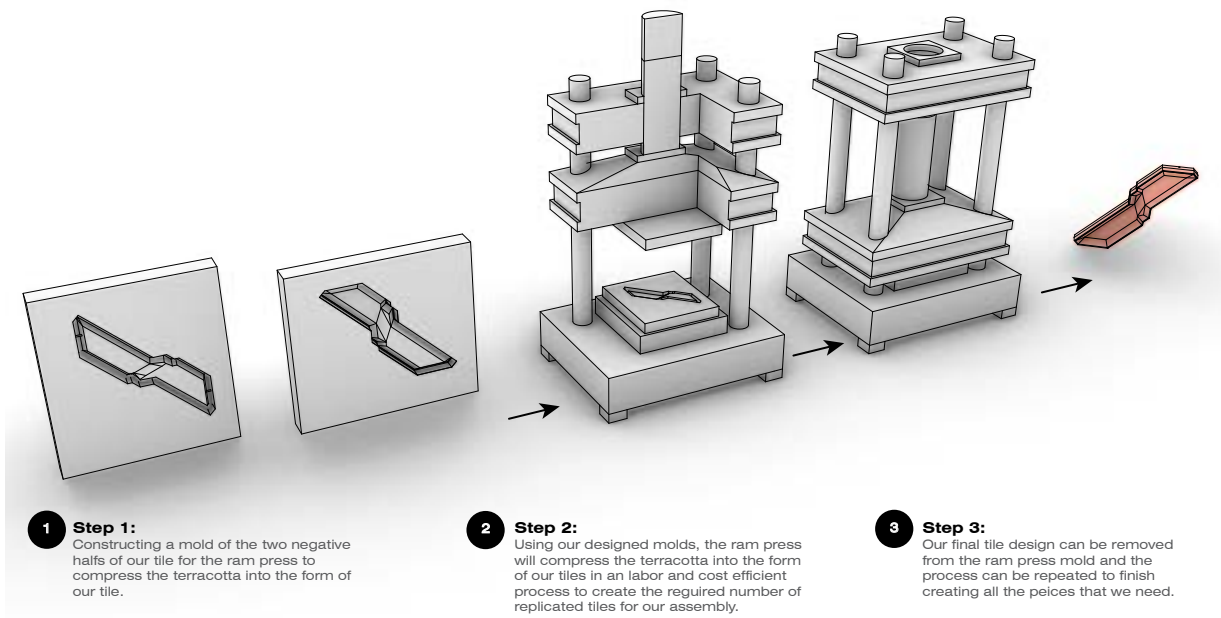


Plan and Section of tile design

Isometric of one panel attached to cable system

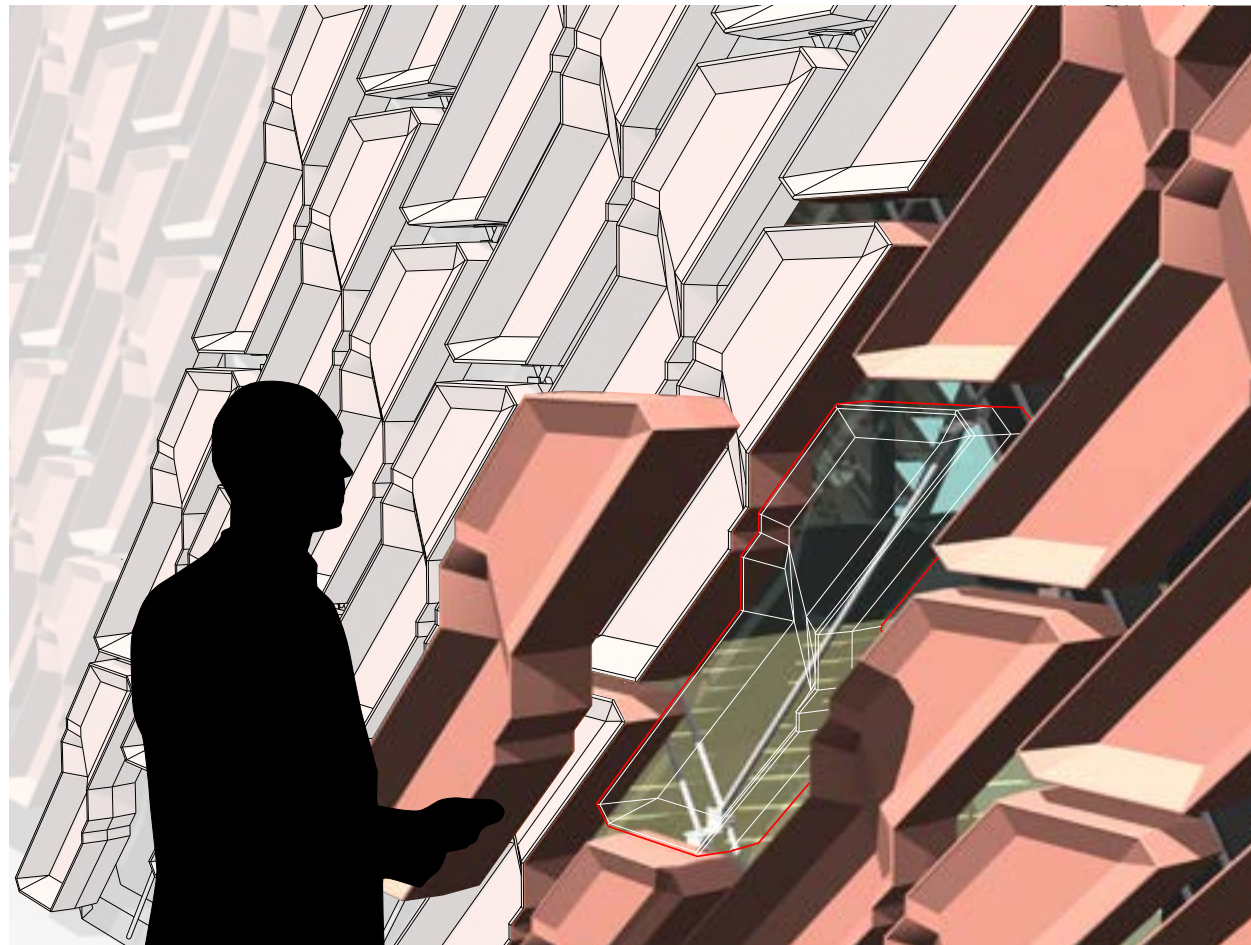


Manufacturing Technique

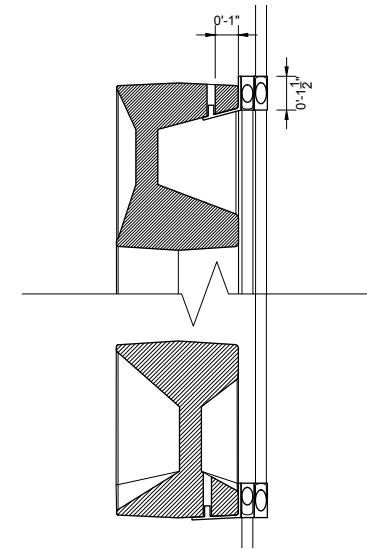


Individual tile mold design and Ram press manufacturing method diagram

Maintenance Diagram

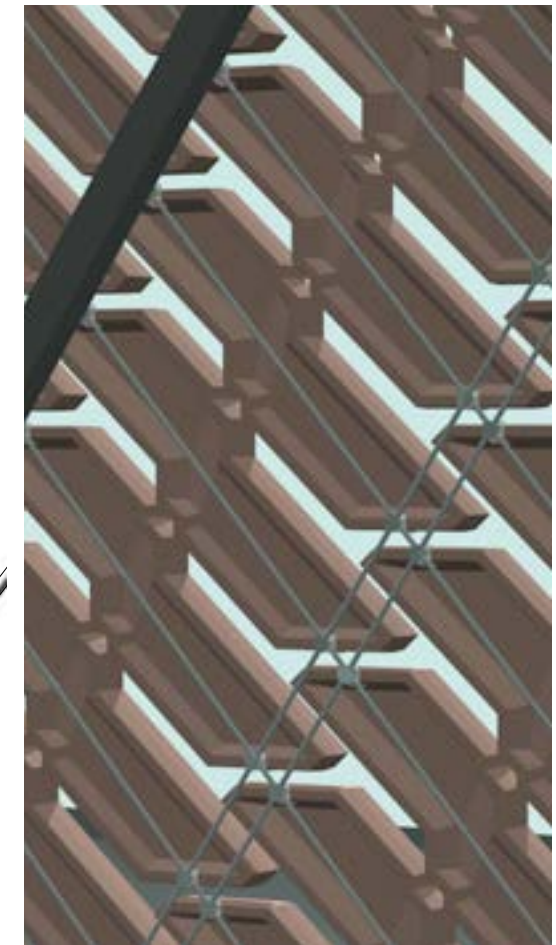
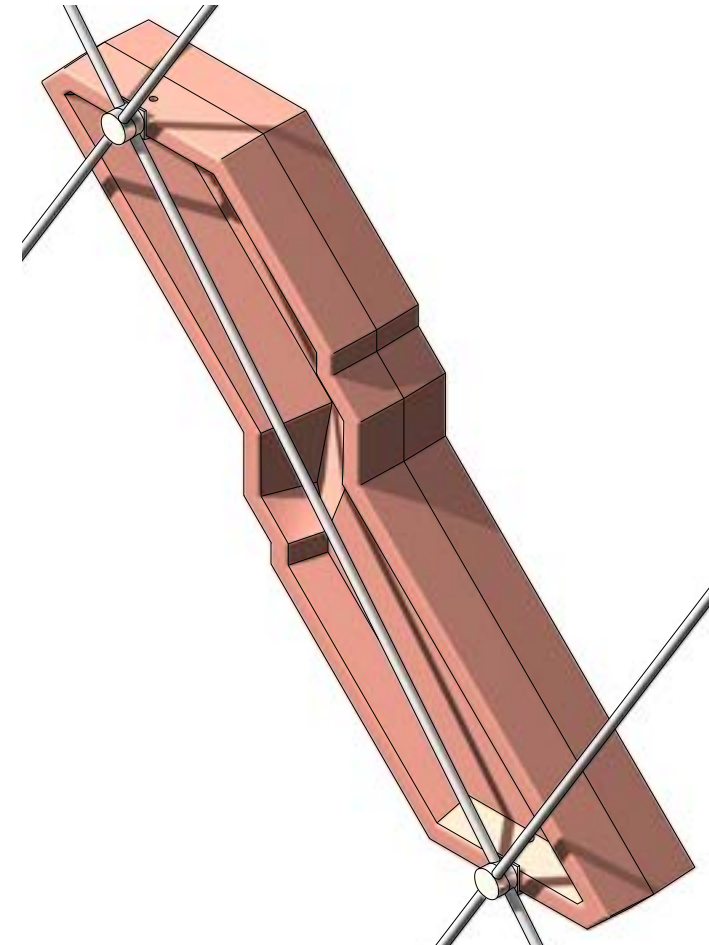


Construction Details



Section of attachment method

Isometric of construction detail of multiple panel assembly



Performance

Panel performance renders

