



Finalized Concept Render + 3D-Printed Physical Model for Client Presentations

Project Summary

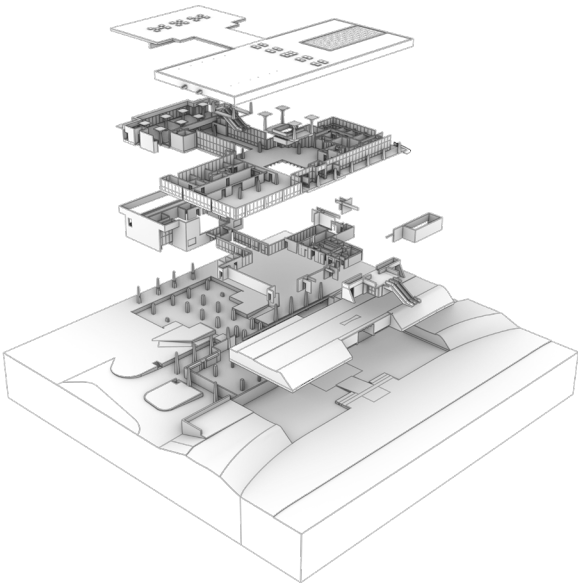
Collaborated with the design team on a physical model for the ABI Airport terminal expansion. The model was developed for client presentations and design review, with a modular assembly strategy that allowed major building and site components to be removed, tested, and updated as the design evolved.

My Role

- Developed 3D-printable model components
- Prepared files for fabrication and assembly
- Created modular pieces for removal and review
- Supported design iteration through model updates
- Helped study massing and terminal layout design options

Outcome

The completed model supported client presentations and gave the team a flexible tool for studying expansion options, communicating design intent, and reviewing the project at multiple scales.





Finalized Concept Design + Climate Analysis

Project Summary

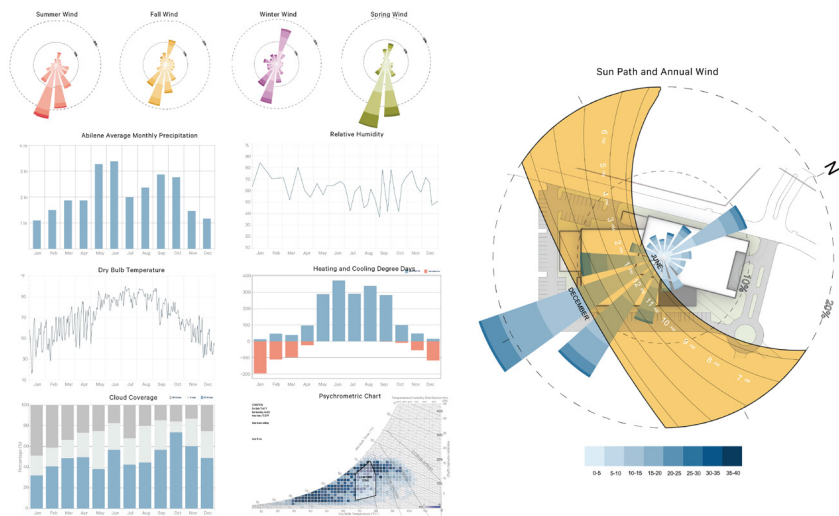
Supported early concept development for the McMurry Athletics Facility through design modeling, visualization, and daylighting analysis. I helped develop digital studies from team sketches, produced renderings and graphics for review, and tested design options to better understand daylighting performance across multiple iterations.

My Role

- Built massing models for concept options
- Translated team sketches into digital studies
- Developed renderings and presentation graphics
- Ran daylight studies for early design options
- Helped compare performance across iterations

Outcome

This work supported early design review by helping the team evaluate concept direction, visual quality, and daylighting performance before advancing the preferred option.





Team Finalized Concept Render + Design Option Study

Project Summary

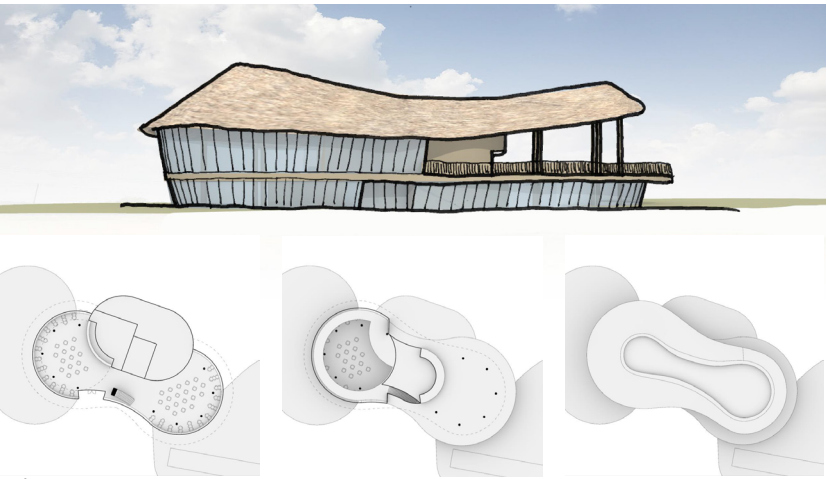
Assisted the design team during early design development for the Abilene Zoo Big Cat Cafe. I supported concept iteration through digital modeling, physical model studies, and presentation graphics for client review. One of my early concept options was presented to the client and advanced into the final round of options considered.

My Role

- Modeled early concept design options
- Created graphics and slides for client presentations
- Contributed a concept option presented to the client
- Supported finalized design option development
- Developed contextual analysis materials
- Assisted in production of presentation model of massing and site

Outcome

Supported early design development through client-input graphics, concept studies, final presentation materials, and 3D-printed model components. The work helped the team communicate design options, context, and the finalized concept for review.



Ark



LEED Daylighting + Quality Views Study

Project Summary

Collaborated with Umesh Atre (Internal Sustainability lead) on an external LEED study for a high-rise project. I prepared the analysis model from the consultant's Revit file, completed daylighting and quality views studies, and produced documentation for LEED submission.

My Role

- Built analysis-ready model from external Revit file
- Ran LEED daylighting and quality views studies
- Documented credit eligibility and analysis results
- Coordinated workflow with sustainability lead
- Supported final submission package

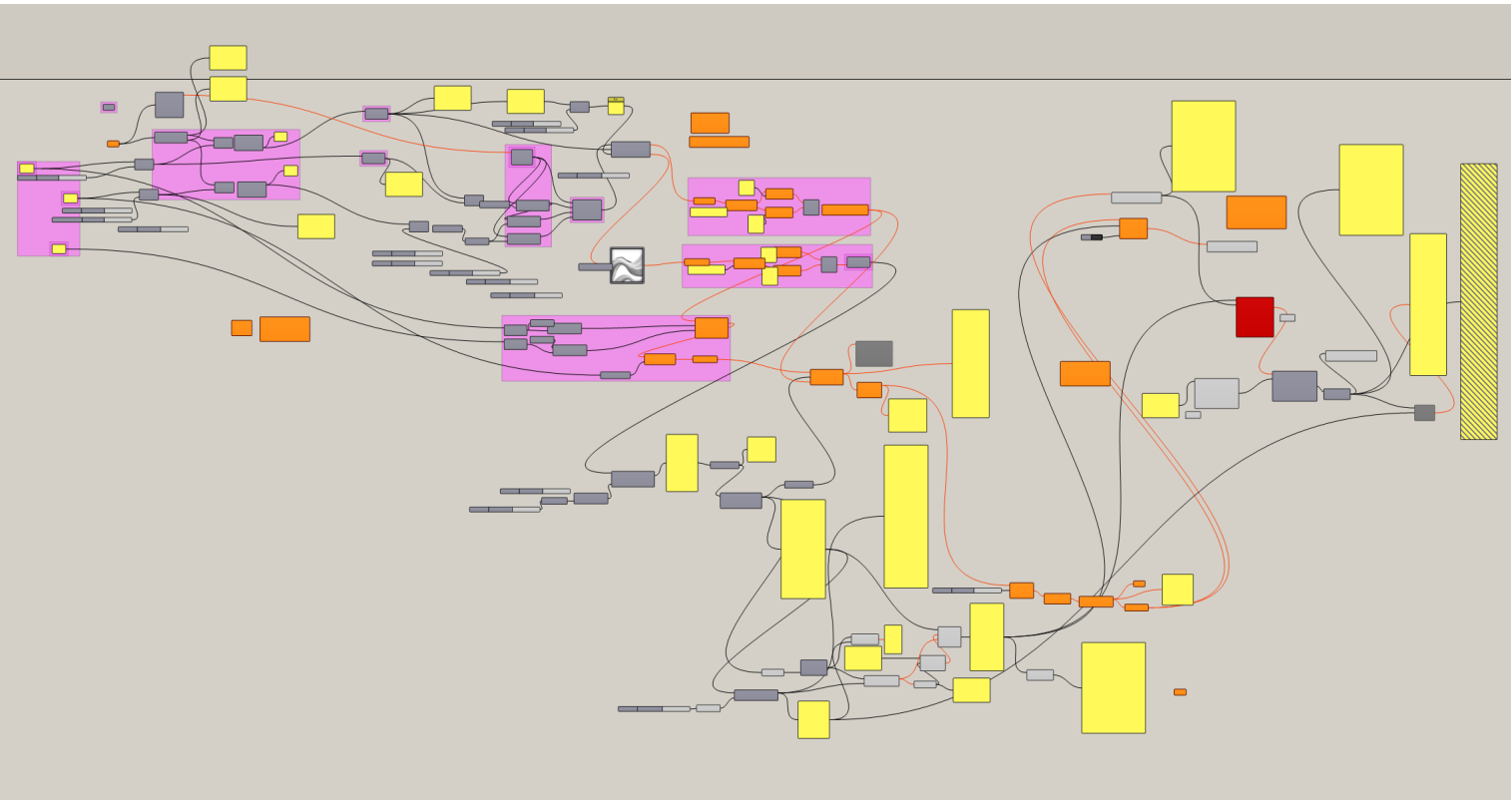
Outcome

Study documentation contributed to 3 Daylighting credits and 1 Quality Views credit.

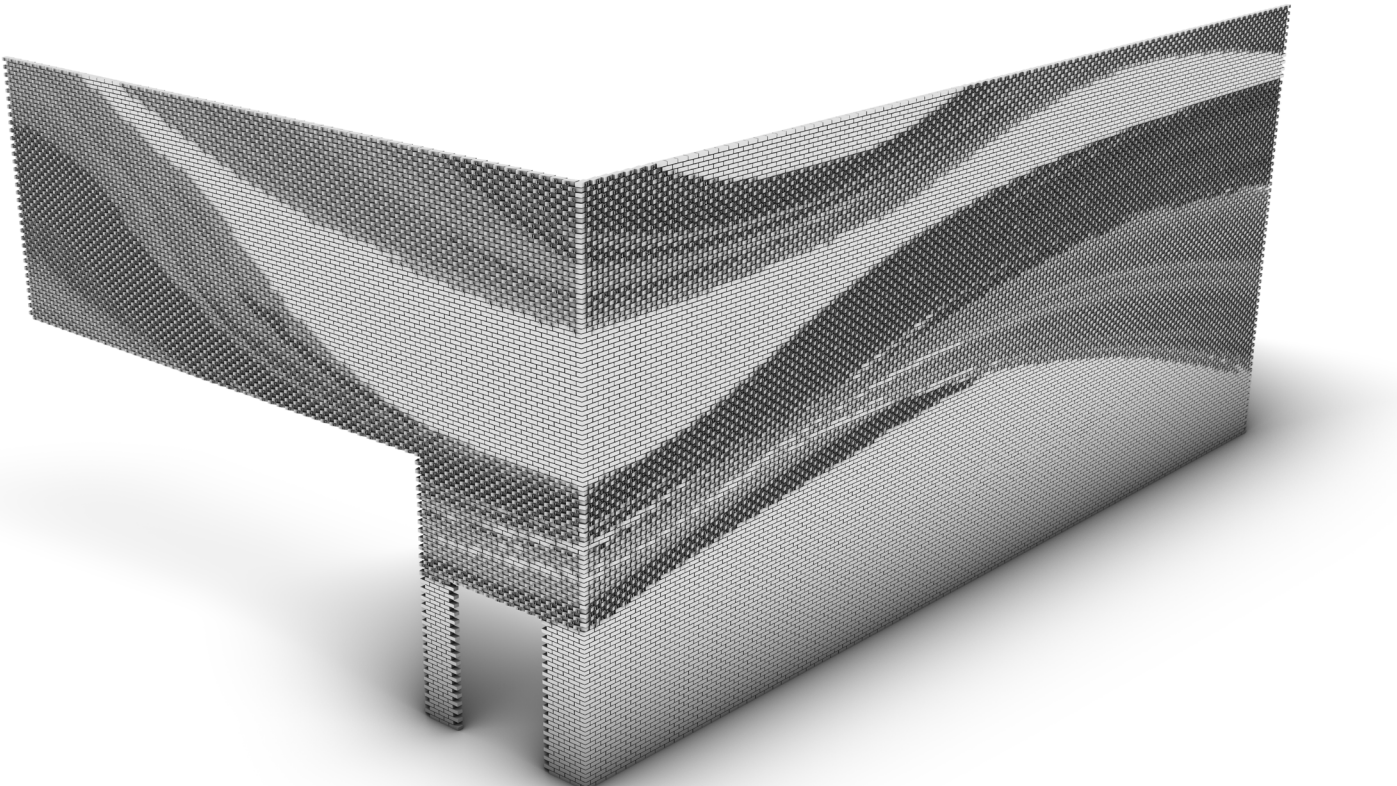
Parametric façade study using Grasshopper to generate wave-like brick patterns through controlled brick rotations. Parametric wall used on finalized design option



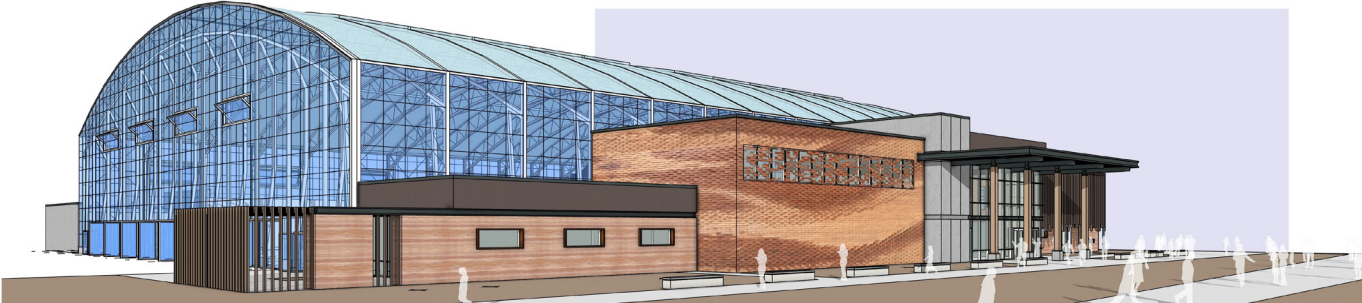
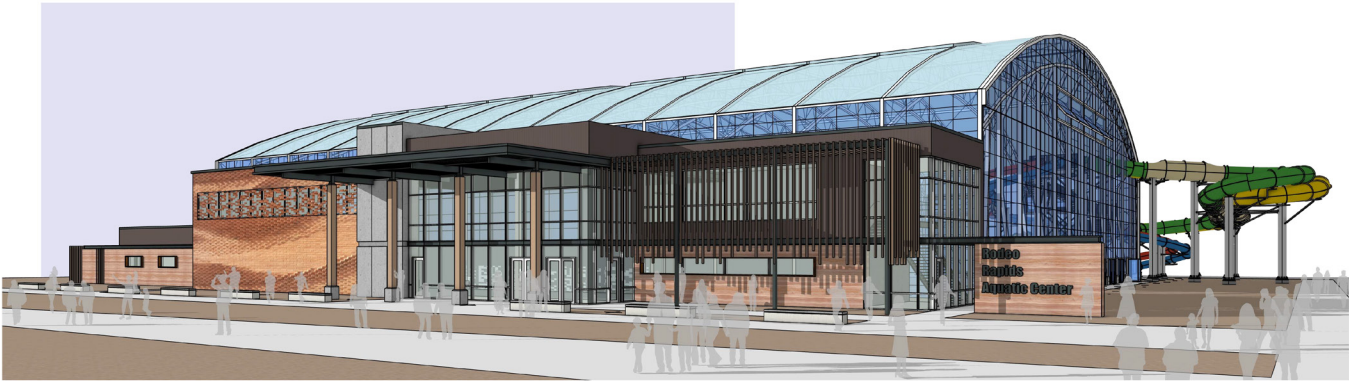
Projected numbering of simplified brick rotations - Bricks only rotate at whole degree numbers for ease of measurement



Fully mapped grasshopper script



Projected pattern on Brick wall - Baked from grasshopper using brick rotations



Design Concept with Finalized pattern wall applied

Selected renderings and presentation graphics produced in support of concept design, visualization, and design review.



Greenwood Middle School - Exterior Rendering



Hope Center Pavilion - Exterior Rendering



Starcare ORC - Interior Rendering



ACU Tennis Court Renovation - Interior Rendering