

Architectural Portfolio

Jose Armando Cortez-Martinez

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Jose Cortez-Martinez

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Work Experience

Design Engineer

International Vault-Siler City, NC
May 2022 to Present

- Create new and maintain existing plans by completing revisions requested by the client, document all changes and requests for changes to the jobs.
- Produce quotes, designs, details, sketches, manufacturing drawings, shop tickets, quality control packets, bill of materials list, and part assembly details, for many types of projects.
- Interface with coworkers within the same and in different fields such as Engineers, Salesmen, Project Managers, Architects, Metal Fabricators, Precast Fabricators, Installers and Purchasing Manager on a project by project basis as required.
- Create part drawings and 3D models as needed on AutoCAD and Inventor for new or existing products.
- Updating Excel sheets to reflect and facilitate access to job information like square footage, items included, and steel required.
- Growing knowledge on GSA and UL rated product guidelines.

Supervisor

JC Quality Millwork-Miami, FL
November 2021 to April 2022

Installing and supervising installations of woodwork.

Design Technician

EN Engineering-Greensboro, NC
June 2021 to October 2021

- Surveying, utility line locating, inspections, testing, and documentation of power distribution, gas distribution, ROW, compressors, and other related facilities
- Complete drawing task for associated utility design projects. Tasks include but are not limited to drafting, calculations, easement validation, cost estimating & permit package development.
- Managing multiple projects in order to assure timely, successful completion for projects resulting in high levels of customer satisfaction and company/departmental goal achievements.
- Review Geographic Information Systems (GIS) for update or conflict in field
- Coordinate projects for construction across multiple departments to accomplish timely construction and meet customer, crew member or client needs within a negotiated timeframe
- Learn and incorporate company safety rules and policies, company design standards and governing authority regulations into daily work and designs. Jobs will meet all requirements of applicable company safety standards, company distribution construction standards, and governing authority regulations

Shipping and Receiving Associate

Wilkinson Cadillac-Sanford, NC
October 2019 to May 2021

Education

Forsyth College in Architectural Technology

Forsyth Technical Community College
Present

Skills

Microsoft Office
Drafting (6 years)
CAD
Math
Communication skills
Autodesk Inventor
Spanish
MicroStation
Fluent
AI
Project management
CNC (Less than 1 year)
AutoCAD (6 years)
Microsoft Excel
Construction (1 year)
Adobe Illustrator
Schematics
SolidWorks (6 years)
Manufacturing
AutoCAD
Revit
Drafting
Customer service
English
Computer literacy
Windows
Autodesk Inventor (6 years)
Adobe Photoshop
Retail sales
SolidWorks
Microsoft Word

Languages

- Spanish - Fluent
- English - Fluent

Certifications and Licenses

BIM Fundamentals for Engineers

October 2024 to Present

Know the essential concepts of BIM, and the basic technical skills to create and manipulate a BIM model. Can retrieve information from a BIM model and use common modeling tools.

Solidworks Certification

March 2016 to Present

Groups

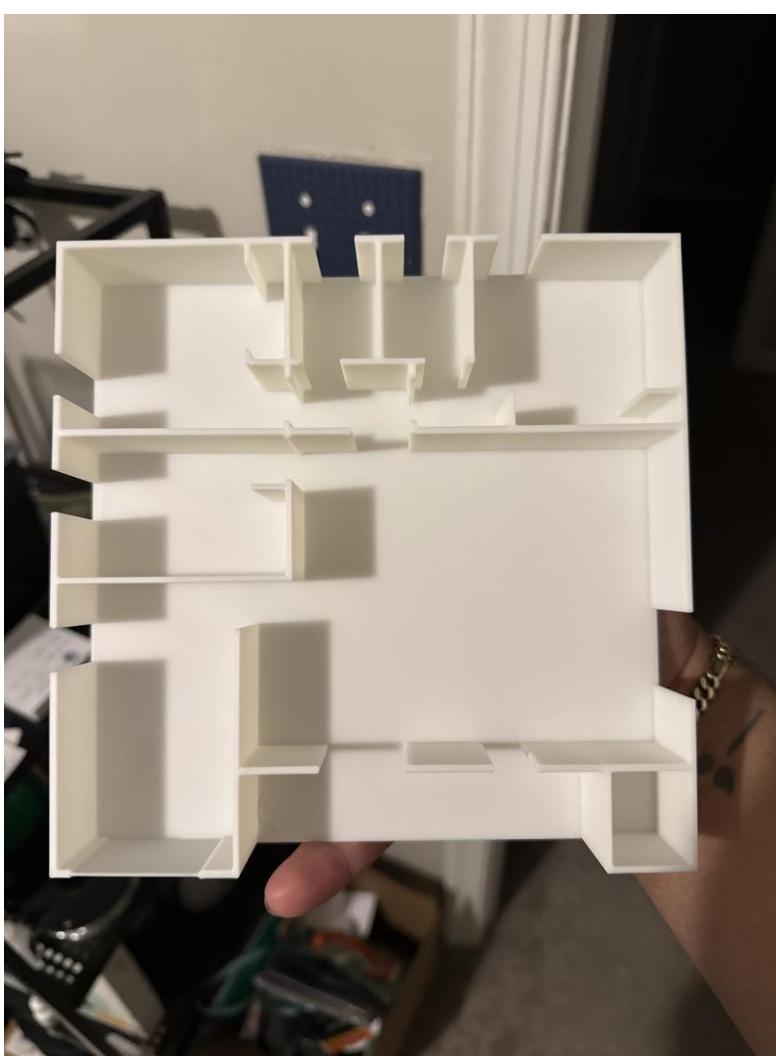
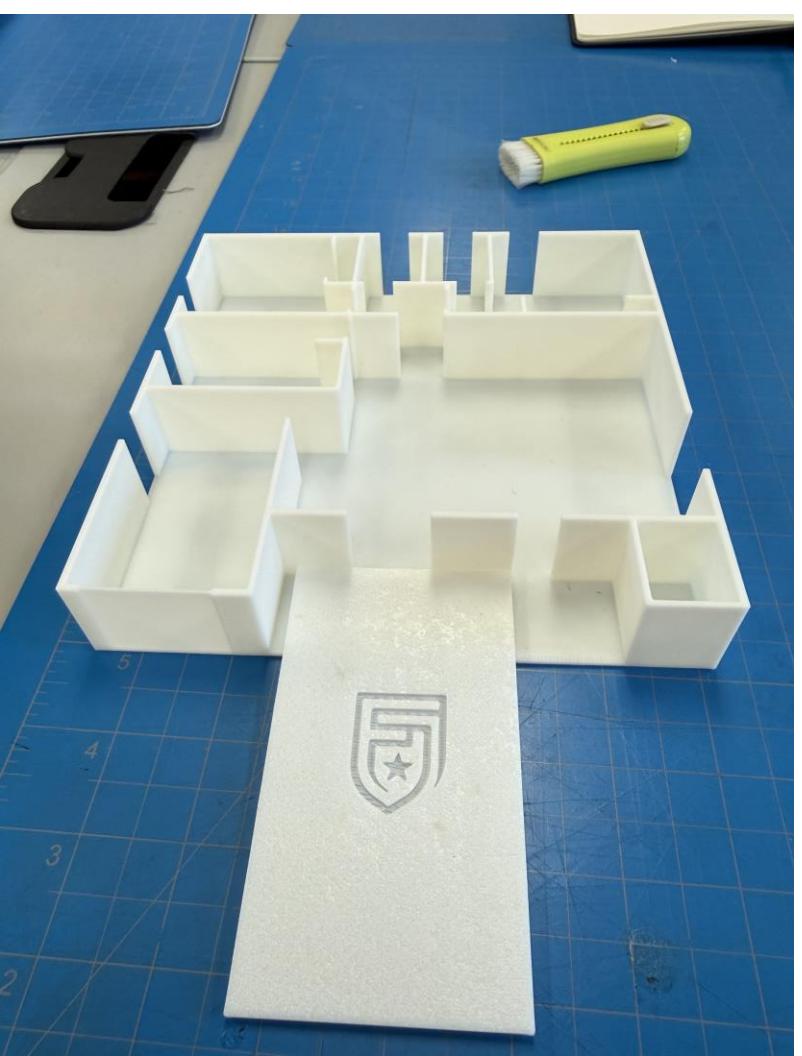
Psi Sigma Phi Multicultural Fraternity Inc.

November 2022 to Present

National Technical Honor Society

May 2018 to Present

Resume

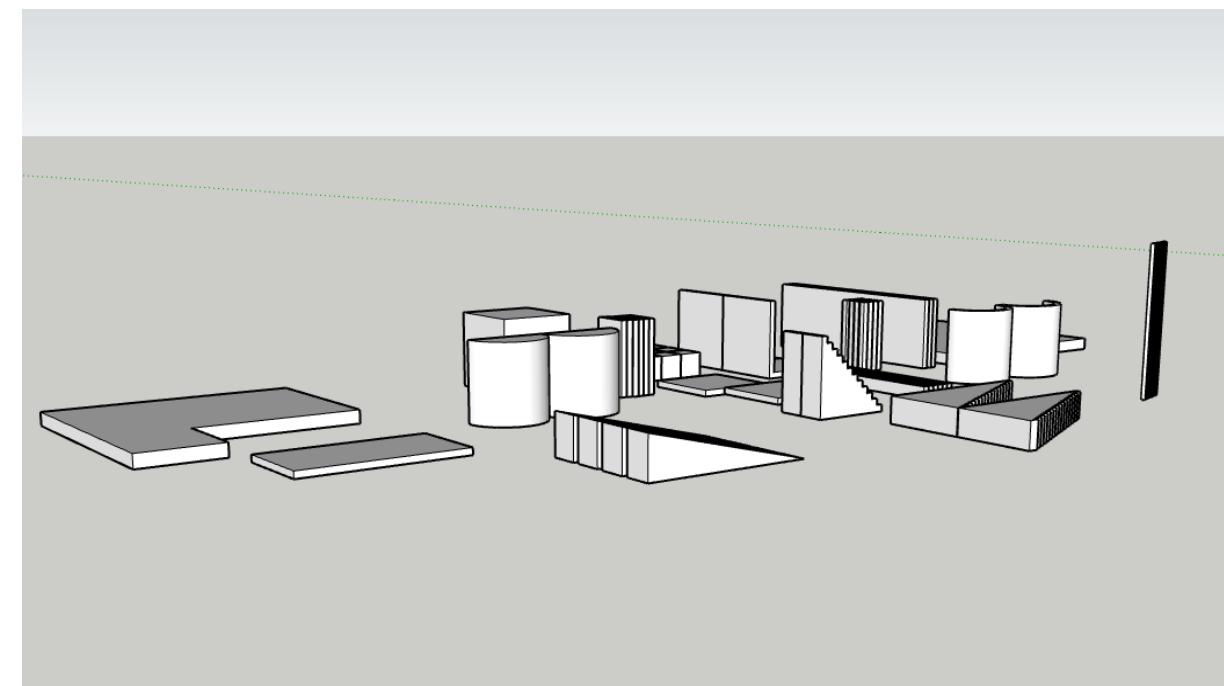
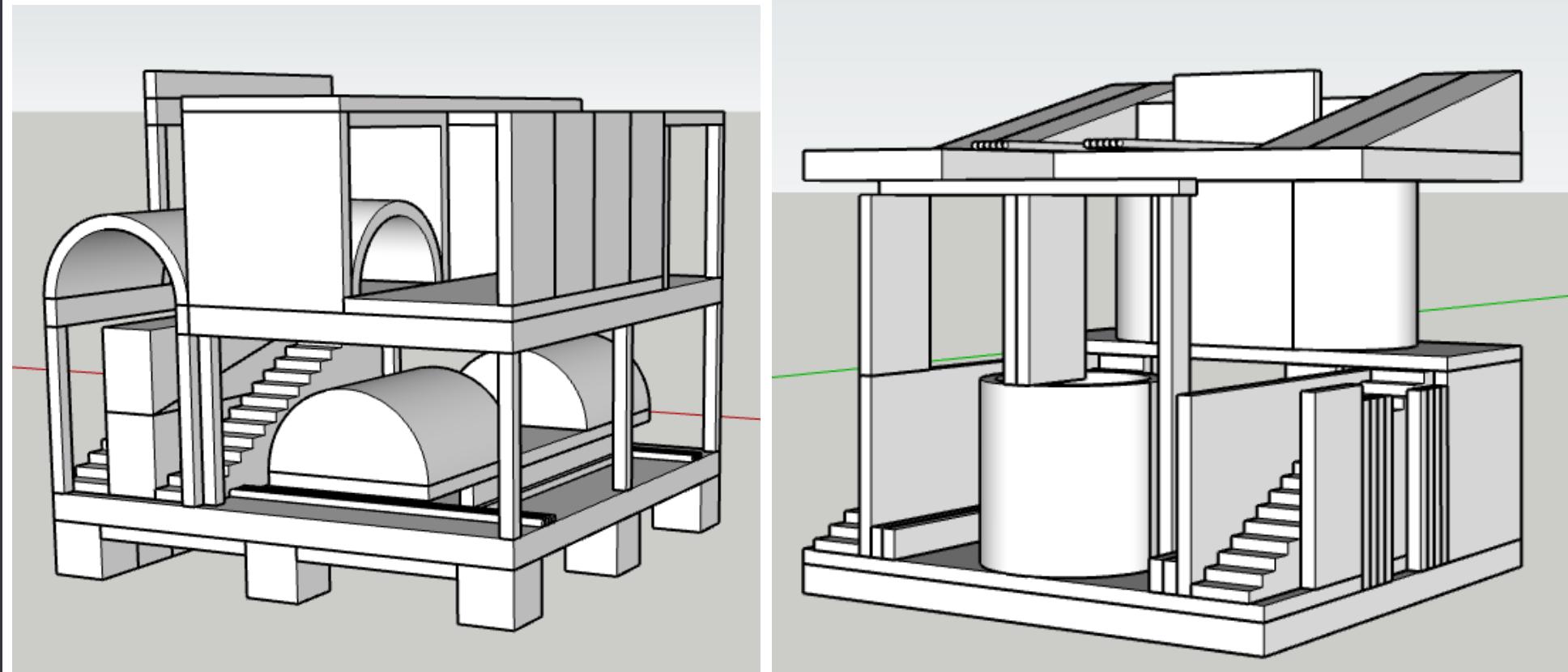


Kit of Parts

- This project focuses on exploring aspects of composition, the design process, and the discovery and creation of space through the third dimension, solids, voids, and scale, with a strong emphasis on craftsmanship. It also aims to develop an understanding of orthographic projections and how they relate to axonometric drawings and physical models.

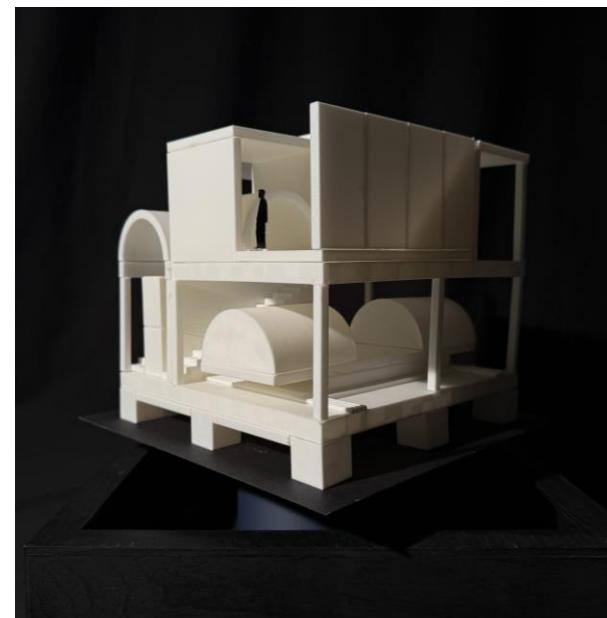
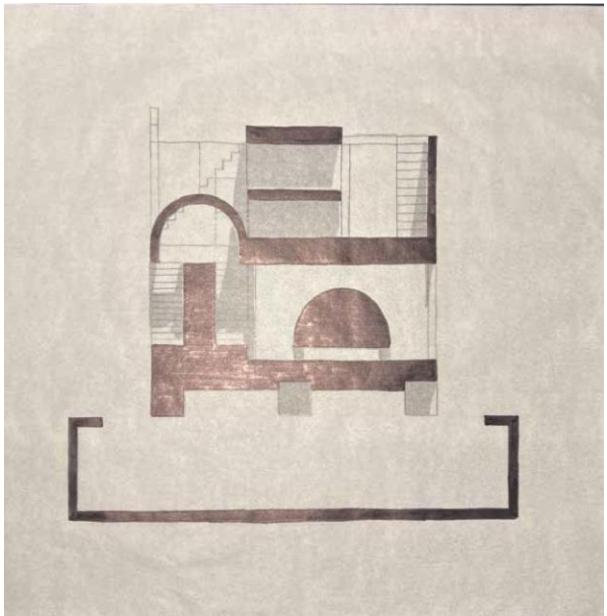
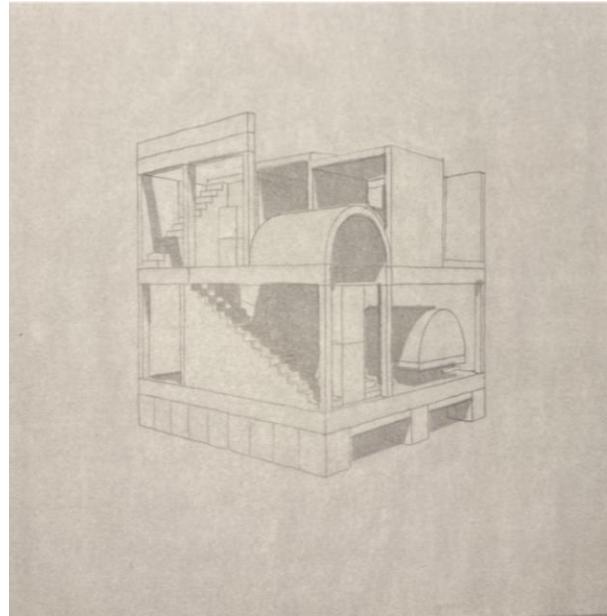
Kit of Parts (Phase 1)

- First two SketchUp Compositions from parts.



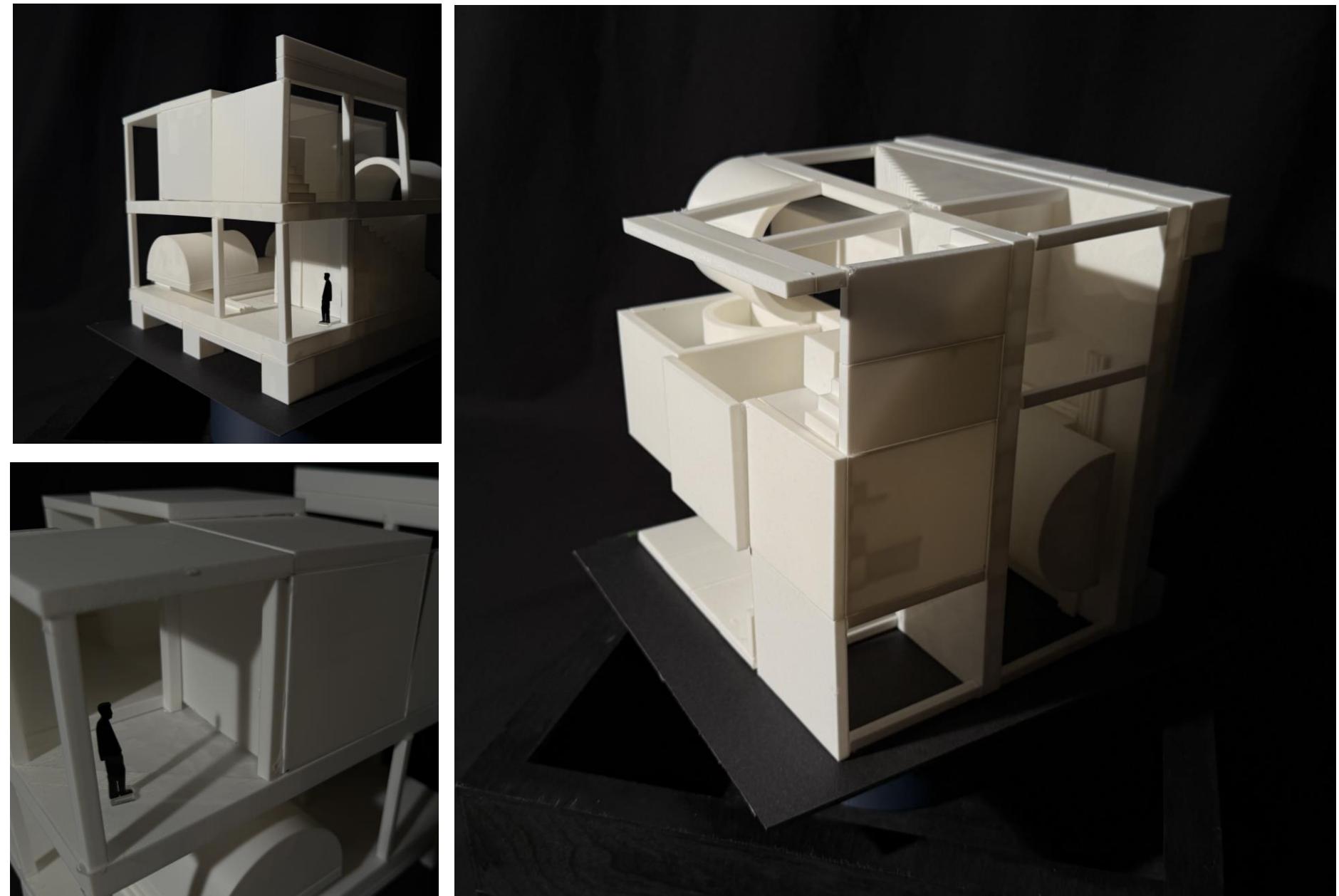
Kit of Parts (Phase 2)

- Physical model from one of the compositions in the previous phase along with hand-drawn perspective and section views.



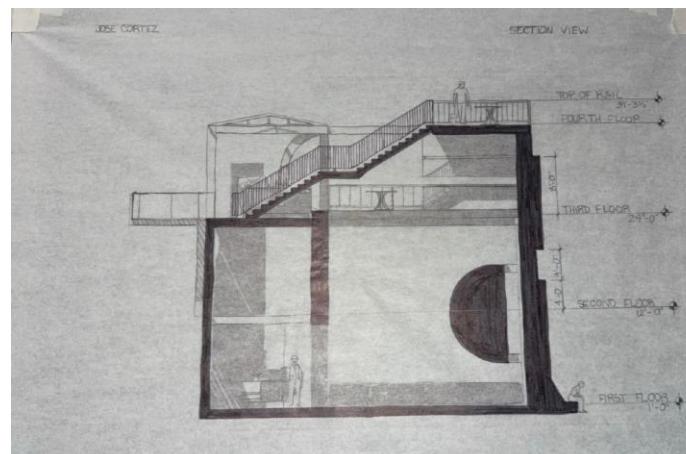
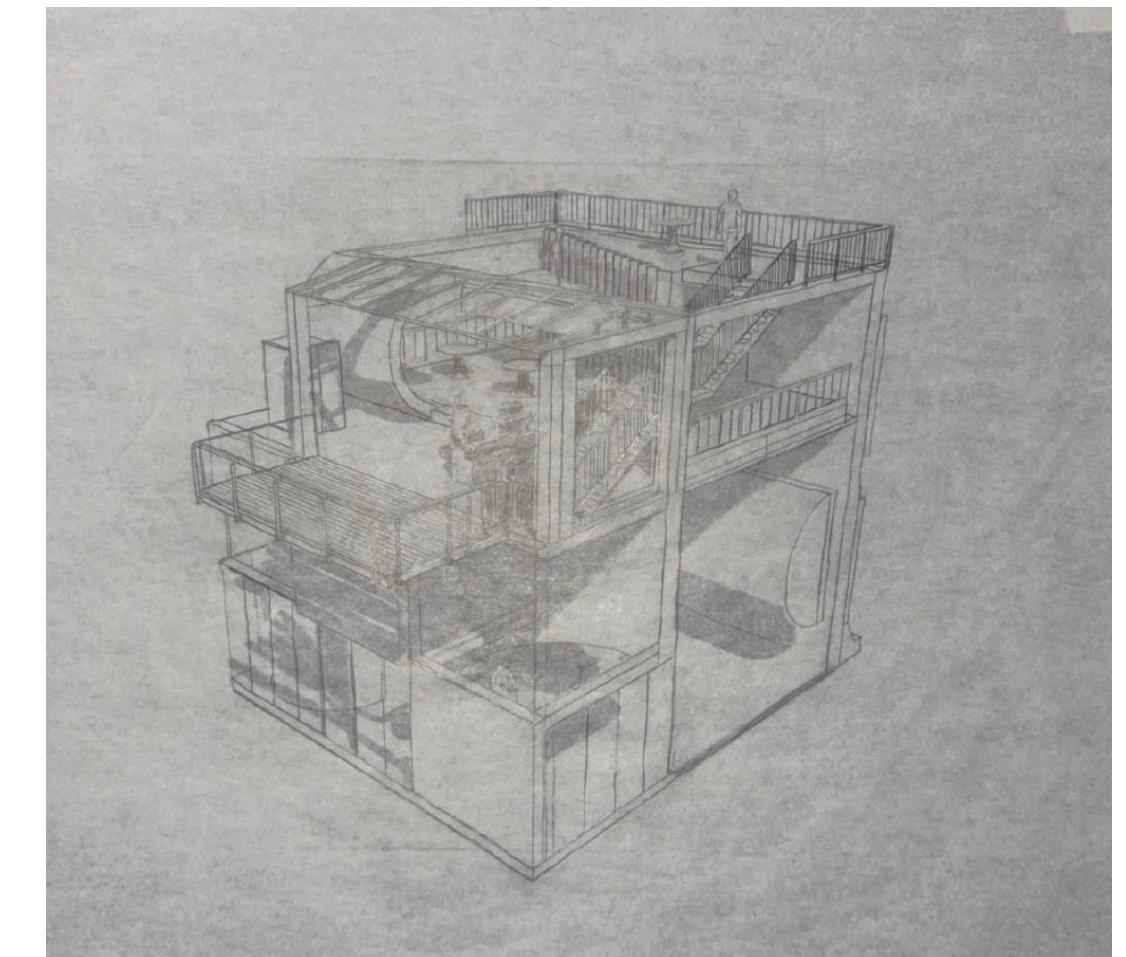
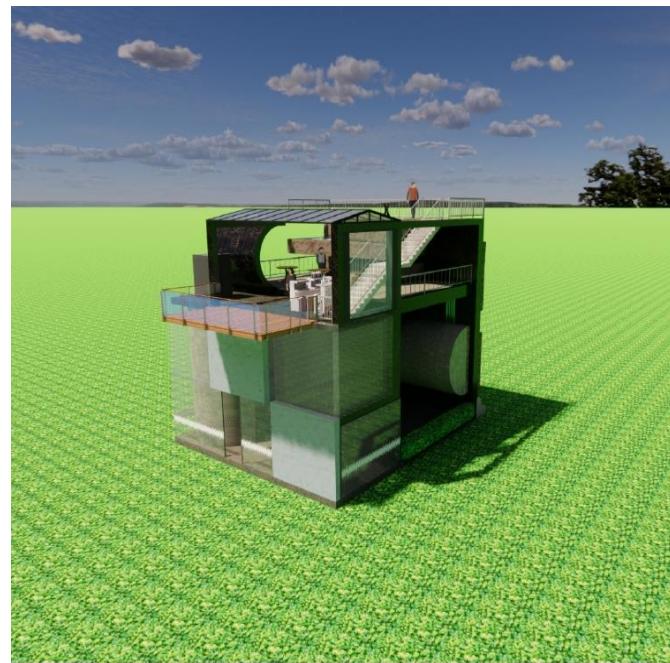
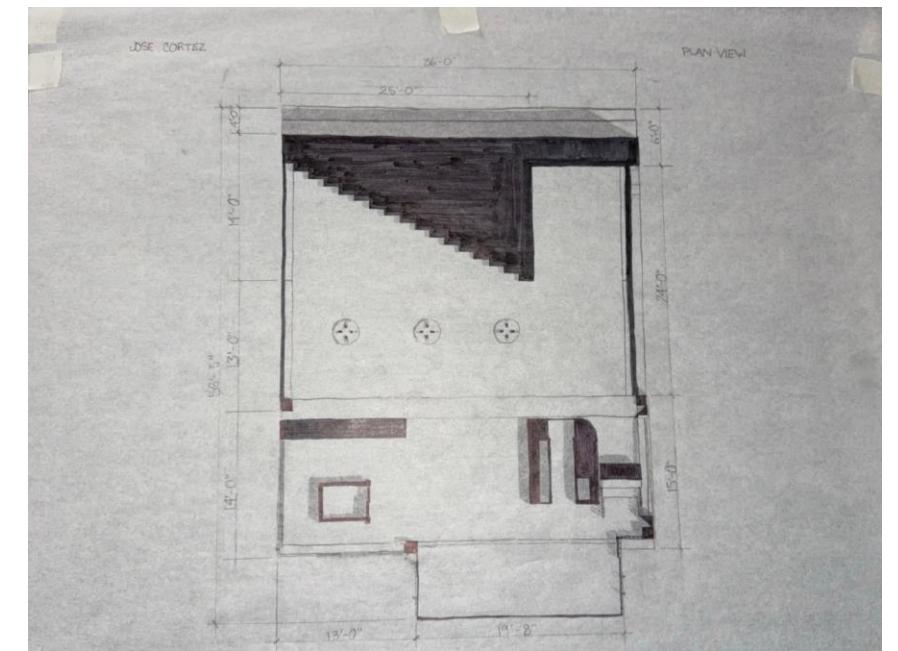
Kit of Parts (Phase 2 into 3)

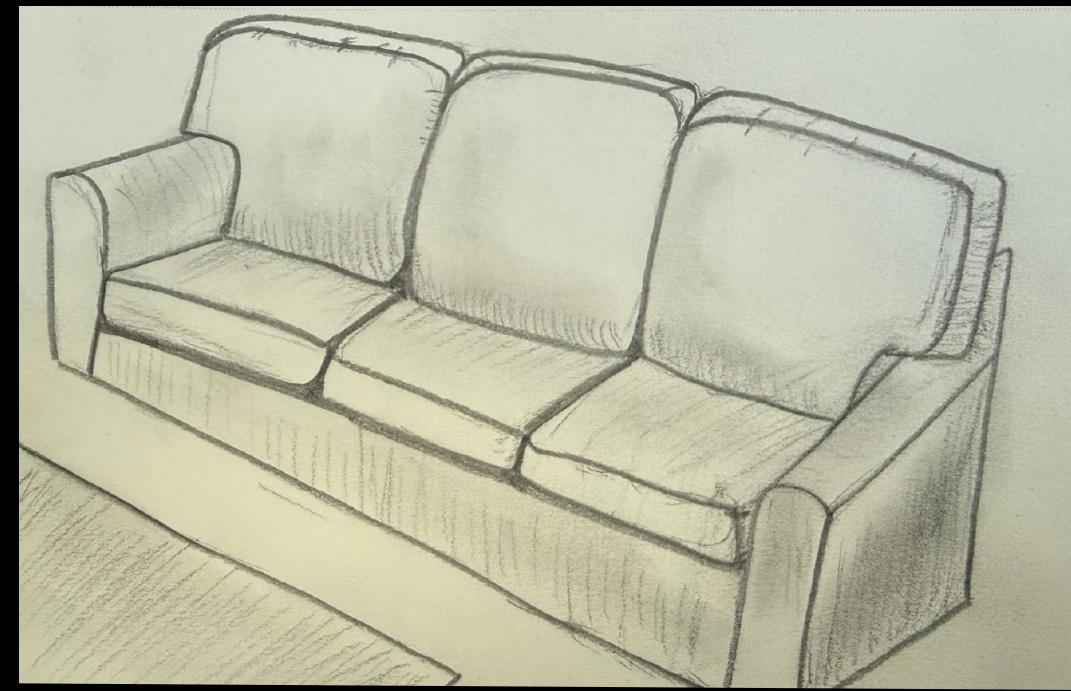
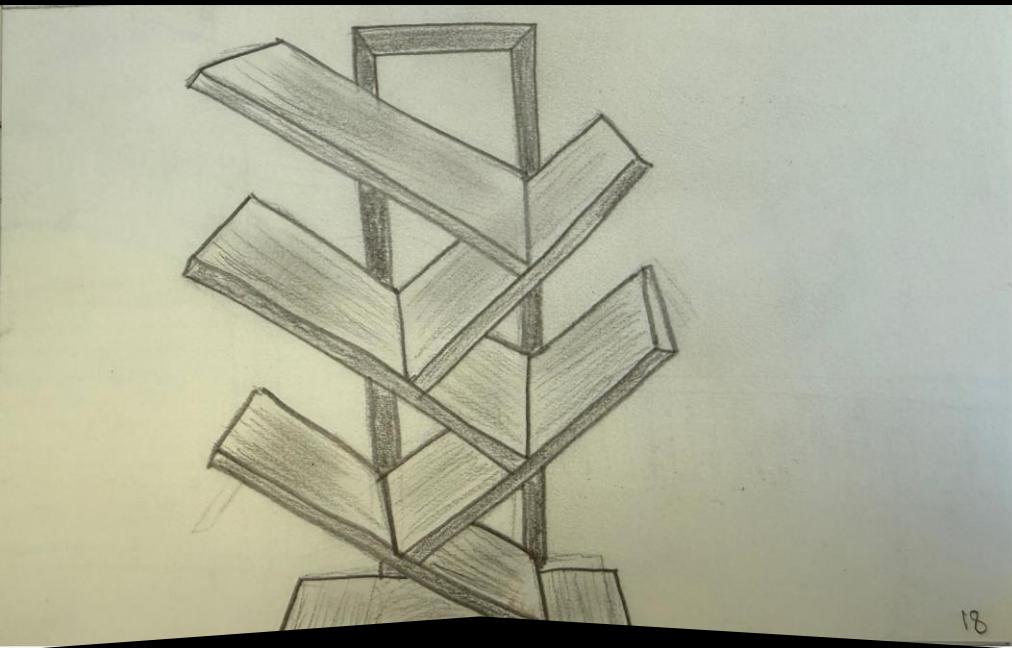
- Rotating physical model to get inspiration for phase 3



Kit of Parts (Phase 3)

- The third and final phase of this project involves designing a space. The development of this space should be inspired by the model itself. Render and hand-drawn views.





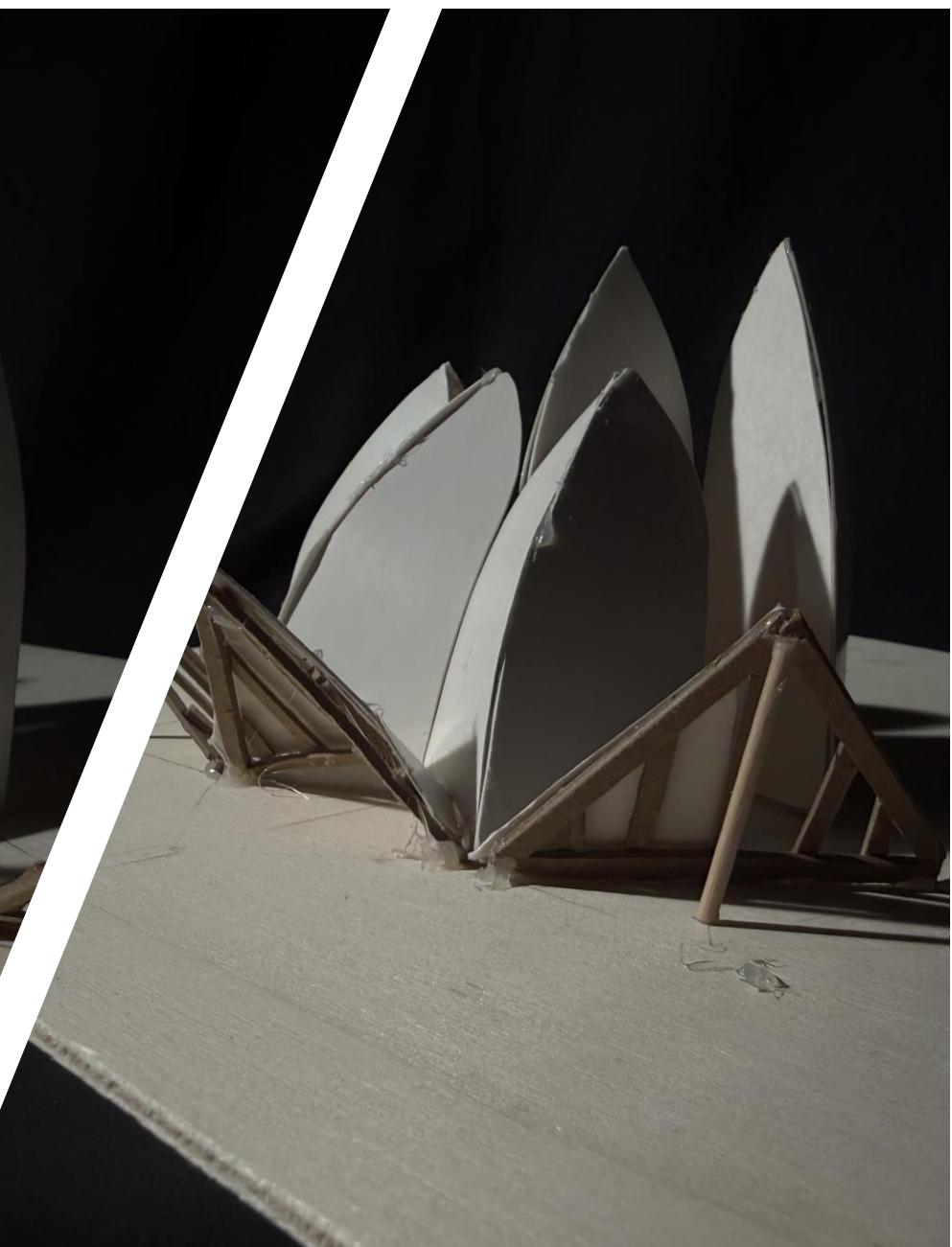
Sketches

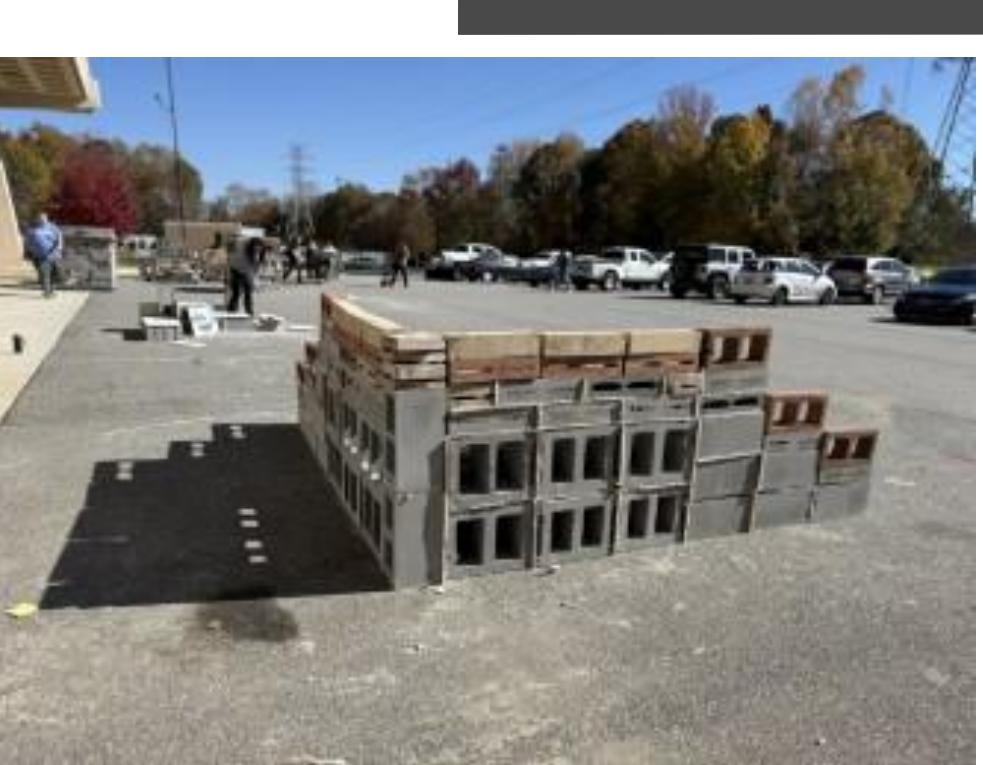
- A collection of sketches show-casing a range of architectural perspectives, both interior and exterior.



Building Analysis

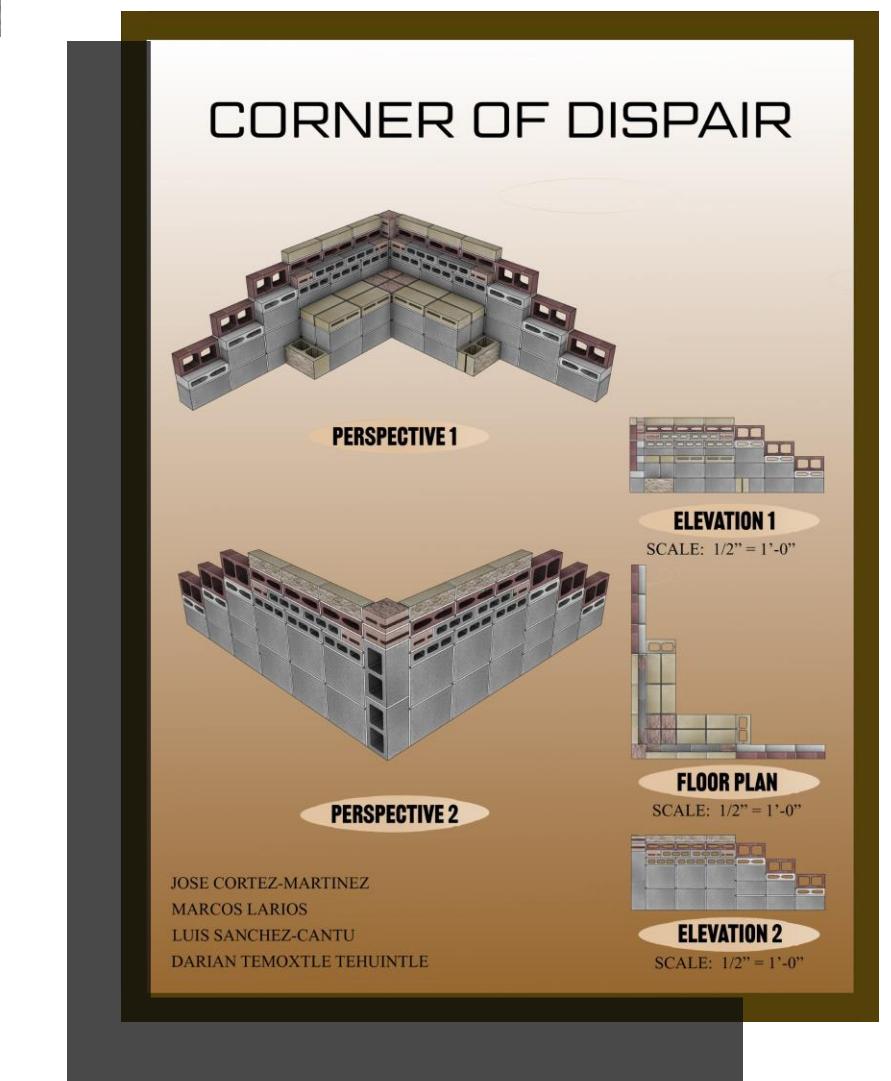
- The objectives of this project are to conduct research by gathering information driven by curiosity about the subject, analyze architecture through the use of diagrams and models, and develop associations between language and graphic representation. The project also aims to compose graphic presentations collaboratively as a team while improving public speaking and overall presentation skills.





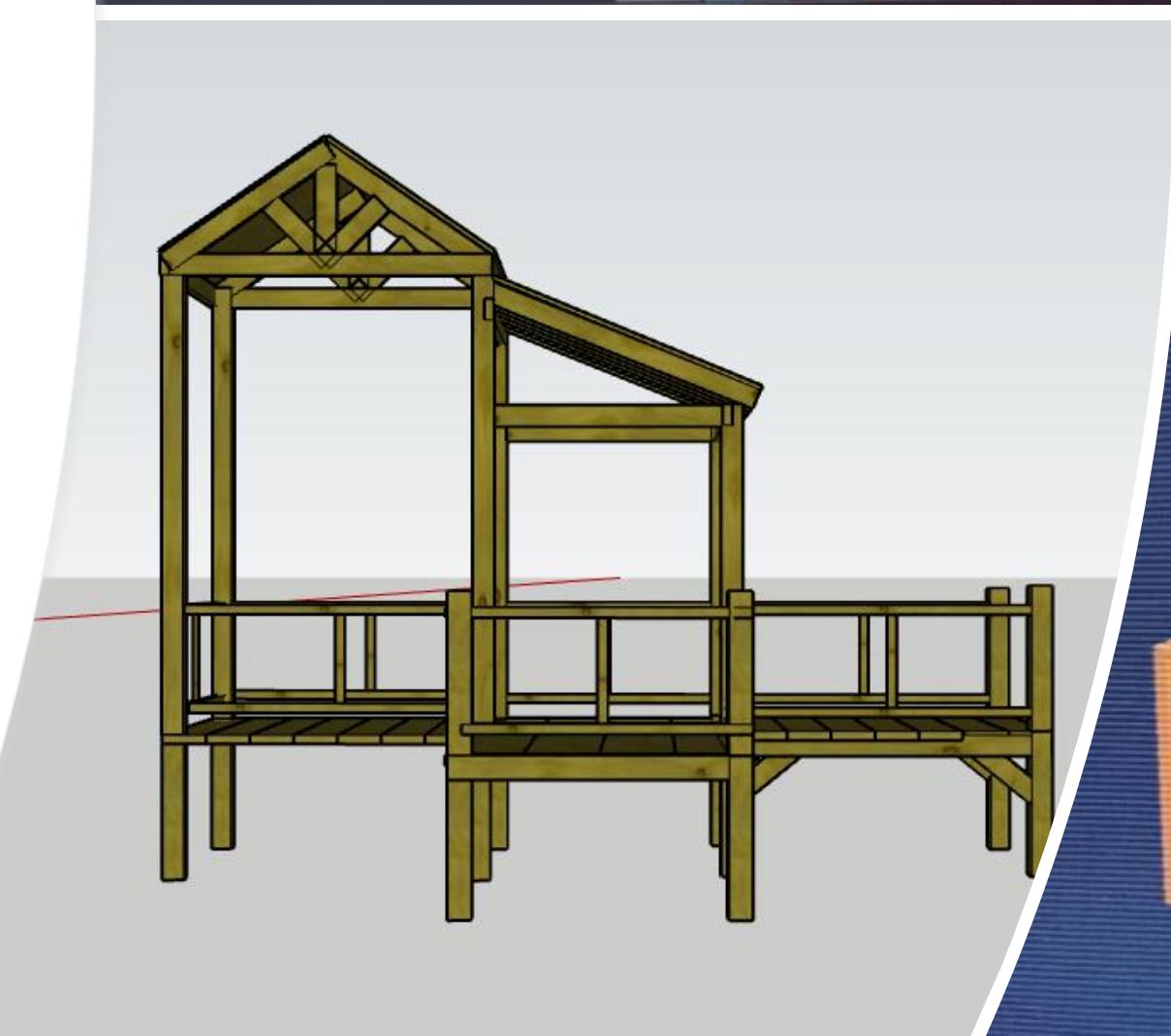
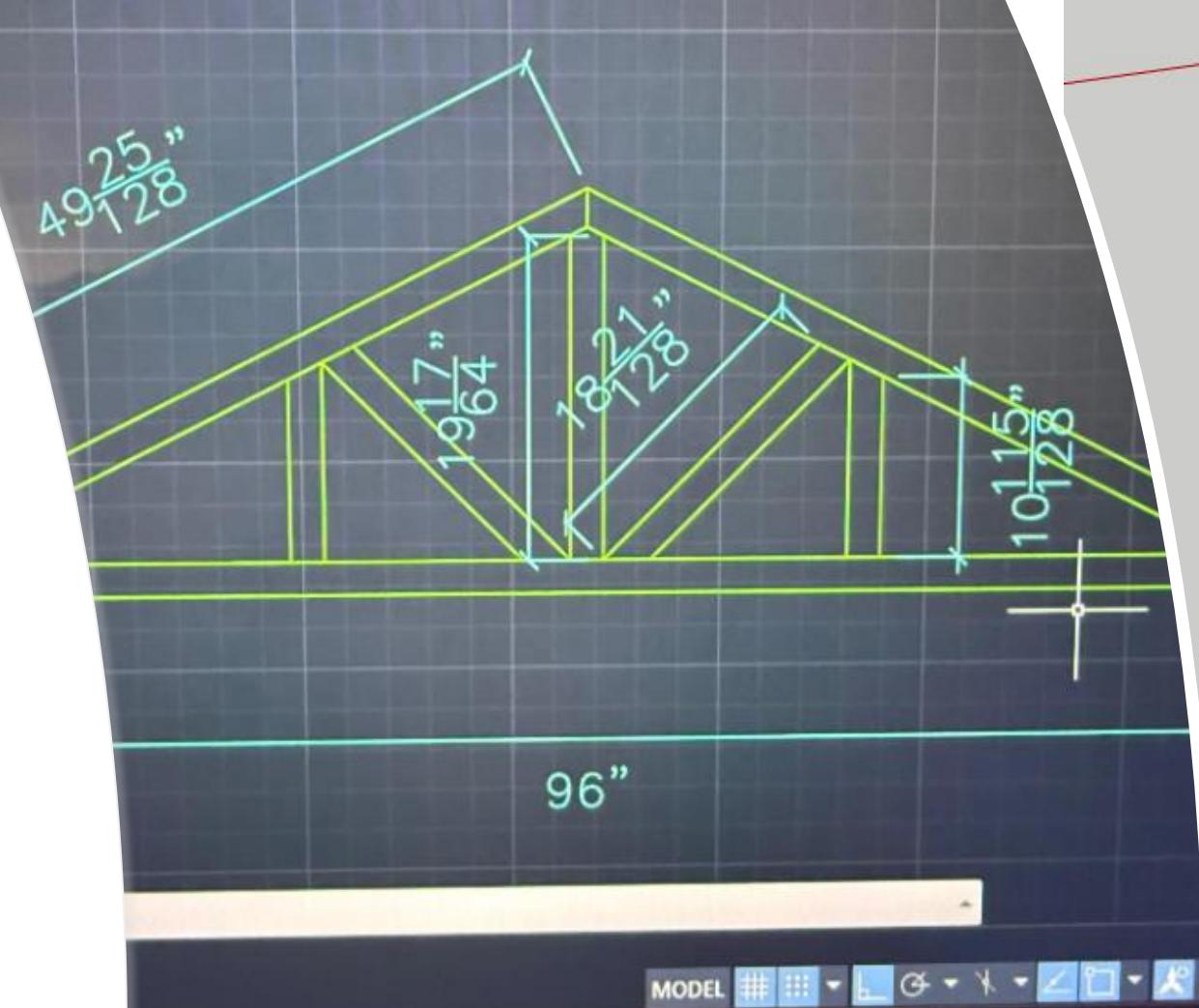
Masonry Wall Design & Construction Project

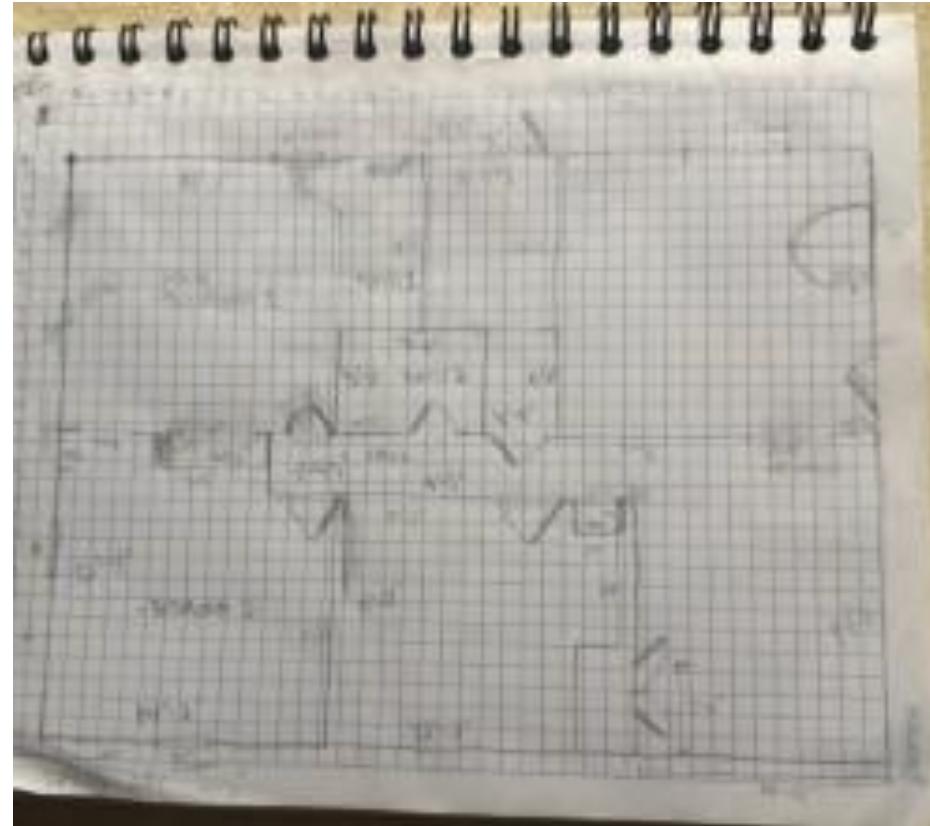
- Participated in a class design competition in which each team designed and constructed a masonry wall corner using the provided masonry blocks. The structure was limited to a maximum of six feet. Pattern, composition, design, and constructability were considered in our proposal. Mortar joints were simulated by dry-stacking the blocks with gypsumboard,



Wood Design Project

- Participated in a group design project in which each group designed a wooden structure with the given SketchUp blocks. The structure was to use elements from every member's personal design.





Personal Project

Remodeling a house. I made drawings of the existing structure to apply for building permits.

Project Under Construction

