



# Rachel Luchsinger Portfolio Collection

# Resume

## EDUCATION

<b>Iowa State Univerisity</b> <i>Ames, IA, May 2025</i> BFA, Interior Design - (CIDA Nationally Accredited) Music Minor	<b>Saint Paul College</b> <i>St. Paul, MN, May 2021</i>  <b>St. Paul Conservatory for Performing Artists</b> <i>St. Paul, MN, May 2021</i>
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## SCHOLARSHIPS / HONORS

AUID (Association of University Interior Designers)  
Undergraduate Scholarship Recipient 2023

ISU Community Service; Program of Study; Wyrick;  
Student Achievement; and Anderson Janice A&D  
Scholarship Recipient 2023

Sertoma Leadership Scholarship Recipient 2022  
3.96 Cumulative GPA - ISU

Miss Minnesota's Outstanding Teen 2019 (Miss  
America Organization)

## COMMUNITY

Friley Senate Liason - ISU 2023-24 | Friley Senate Vice President - ISU 2022-23  
Hutton House President of Friley Hall - ISU 2021-22

Baking Club Marketing Manager - ISU 2022-23; Vice-President - 2023-24  
Collegiate Chapter of MTNA Programming Chair - ISU 2023-24

MusicLink Foundation Ambassador - 2019-21

## SOFTWARE

Microsoft Office ●●●○ Adobe Creative Suite ●●●○  
Sketchup ●●○○ AutoCAD / Revit ●●●○  
Enscape ●●●○ UltiMaker Cura ●●●○

## WORK EXPERIENCE

**Piano Internship - 2gether Productions, Woodbury, MN**  
*May 2023 - July 2023*  
Full-time substitute piano instructor, mentor, and assistant.

**Resident Assistant (RA) - ISU Department of Residence**  
*January 2023 - Present*  
During academic semesters, up to 20 hours of work including working hall  
desk and mail room, being the direct contact for residents, and putting on  
events to benefit the residents and the house.

**Child Welfare Research and Training Program, Ames, IA**  
*September 2022 - Present*  
Voice actor for training programs used for the organization.

**Private Piano Instructor, Woodbury, MN**  
*February 2019 - August 2021*  
Taught 12 beginner piano students in the self-created Rachel Luchsinger  
Piano Studio under 2gether Productions to MMTA standards; put on multiple  
recitals and community service events for the students.

## CERTIFICATIONS

MTNA (Music Teacher's  
National Association)

# About Rachel

My name is Rachel Luchsinger, and I am a third-year student in the interior design program at Iowa State University. Growing up in a family of designers, I have always had a strong passion for design and interior spaces. Besides interior design, I have a background in visual art and piano performance, as I am pursuing a minor in music. In terms of goals, I dream of using my interior design degree to better communities with renovations and increase third-space designs to bring communities together.

Currently, I am focusing on learning and growing my knowledge in the field and am searching for an internship position to continue my growth next summer, 2024. A hard and devoted designer, I have strong strengths in communication, follow-through, and passion that will make me a positive addition to have on a team at a design firm.

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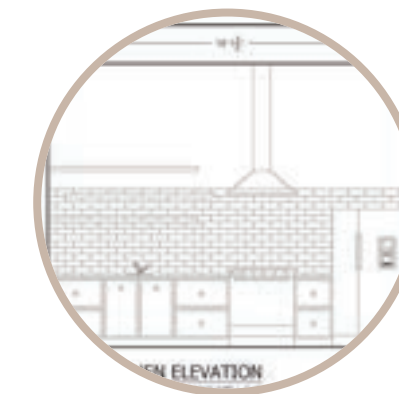
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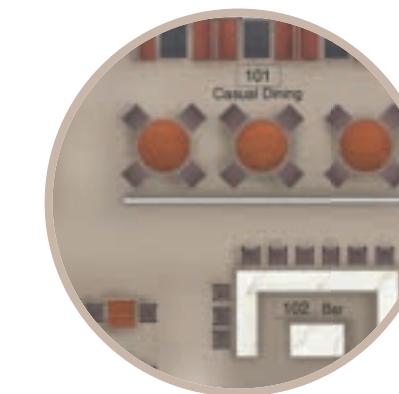
**Structural**  
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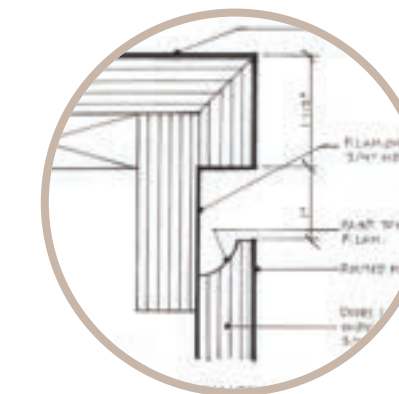
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# Residential | Revit

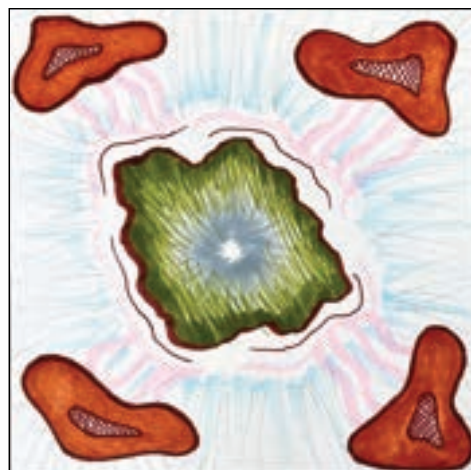
## Ariana's Mountain Escape

### Concept Statement:

The concept behind the design is stimulation, liveliness, and calmness. All spaces are designed to pull you toward a central, open space reflecting biophilia elements. The flow is open with public center spaces and private spaces organized radially around.

### Design Parameters:

For this project, we were to design a luxury vacation home for a celebrity. The budget was unlimited, the location could be anywhere in the U.S., and the square footage of the house had to be under 6,000 sq ft. My celebrity was Ariana Grande; after doing research, I decided to place her home in Aspen, Colorado, and design a structurally geometric space centered around an interior courtyard with an elegant, glam aesthetic.



### Final Parti Diagram:

Organization of space, architectural elements, general concept, and color palette development

### Biophilia Theory:

The idea that humans possess an innate tendency to seek connections with nature and other forms of life.



INTERIOR COURTYARD RENDERING (ENSCAPE)





**Project Goal:**

To create a mountainous escape for Ariana, her husband, team, and family.

**Project Problem:**

As an artist, Ariana may get stuck sometimes creatively, or simply overwhelmed by the media or busy California living. That is why Ariana needs a vacation home to escape to for relaxation or to gain back some creativity and self-motivation.

**Important Factors:**

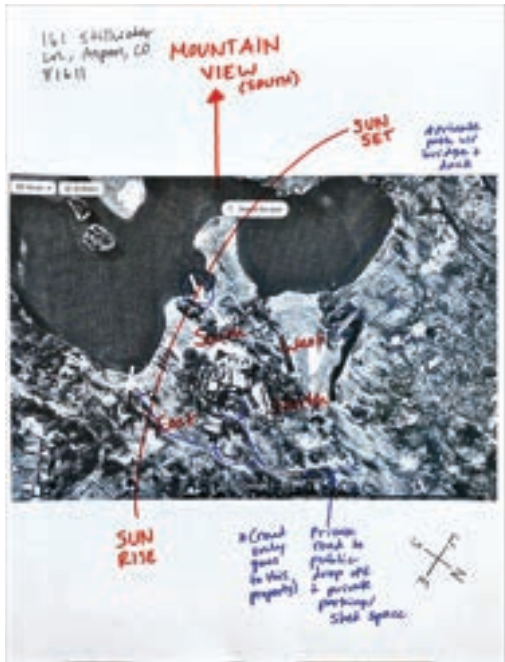
The place must be relaxing and connected to nature (through biophilia elements); it must include sustainable factors, and it must be a space where creativity and inspiration can thrive.



RENDERED BATHROOM ELEVATION (ADOBE PHOTOSHOP)

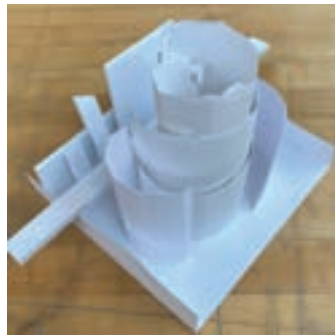


INTERIOR PRIMARY BEDROOM RENDERING (ENSCAPE)



**Site Analysis:**

Aspen, CO is known for high-end properties with lots of celebrity owners due to the difficulty of accessing this spot in the mountains from the general public. The location of the house is also special because it is completely separated with its own road and large lot.

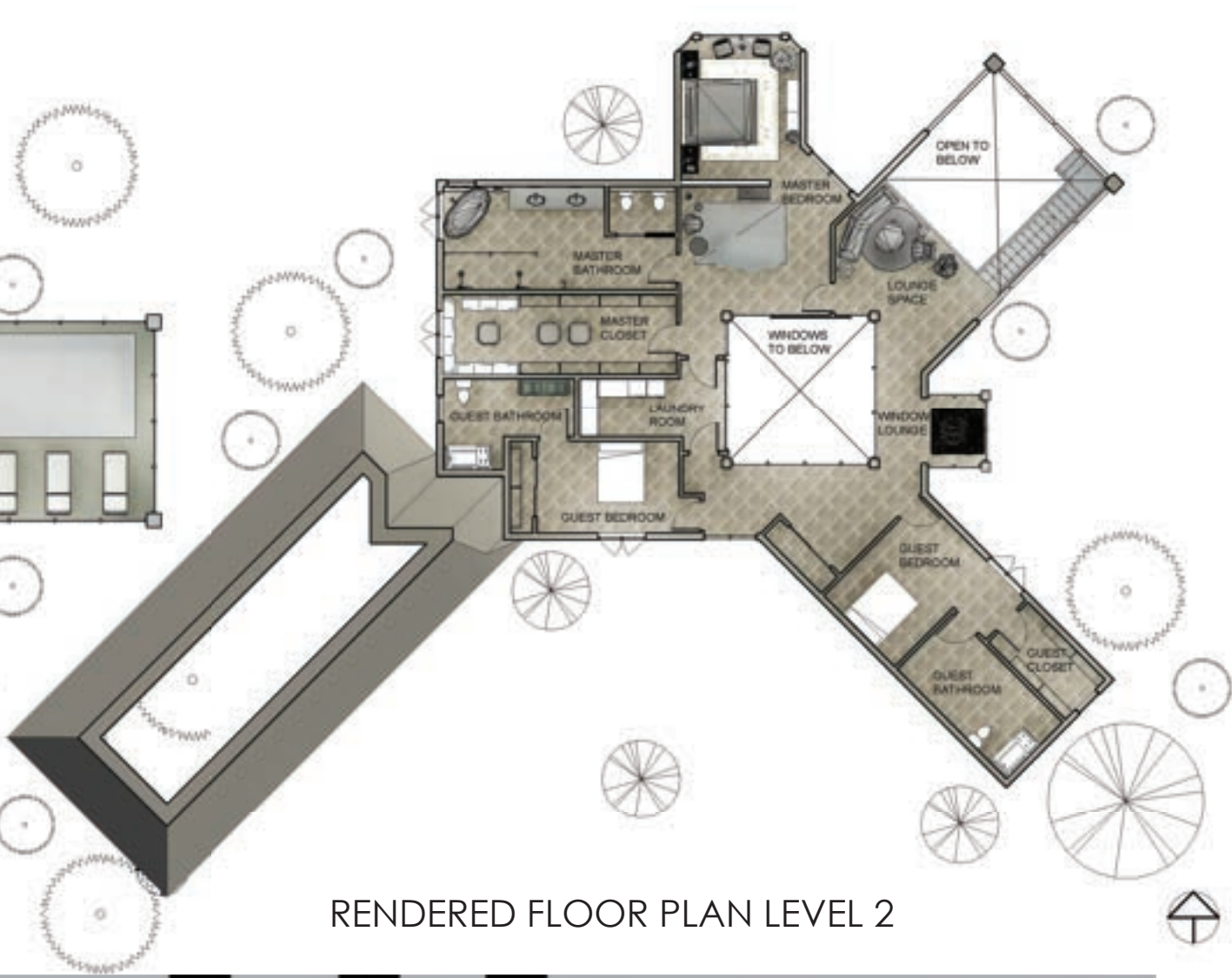


**Study Model:**

Derived from parti diagram, represents circulation and forms of the final design.



RENDERED FLOOR PLAN LEVEL 1



RENDERED FLOOR PLAN LEVEL 2



WEST KITCHEN ELEVATION (ADOBE PHOTOSHOP)

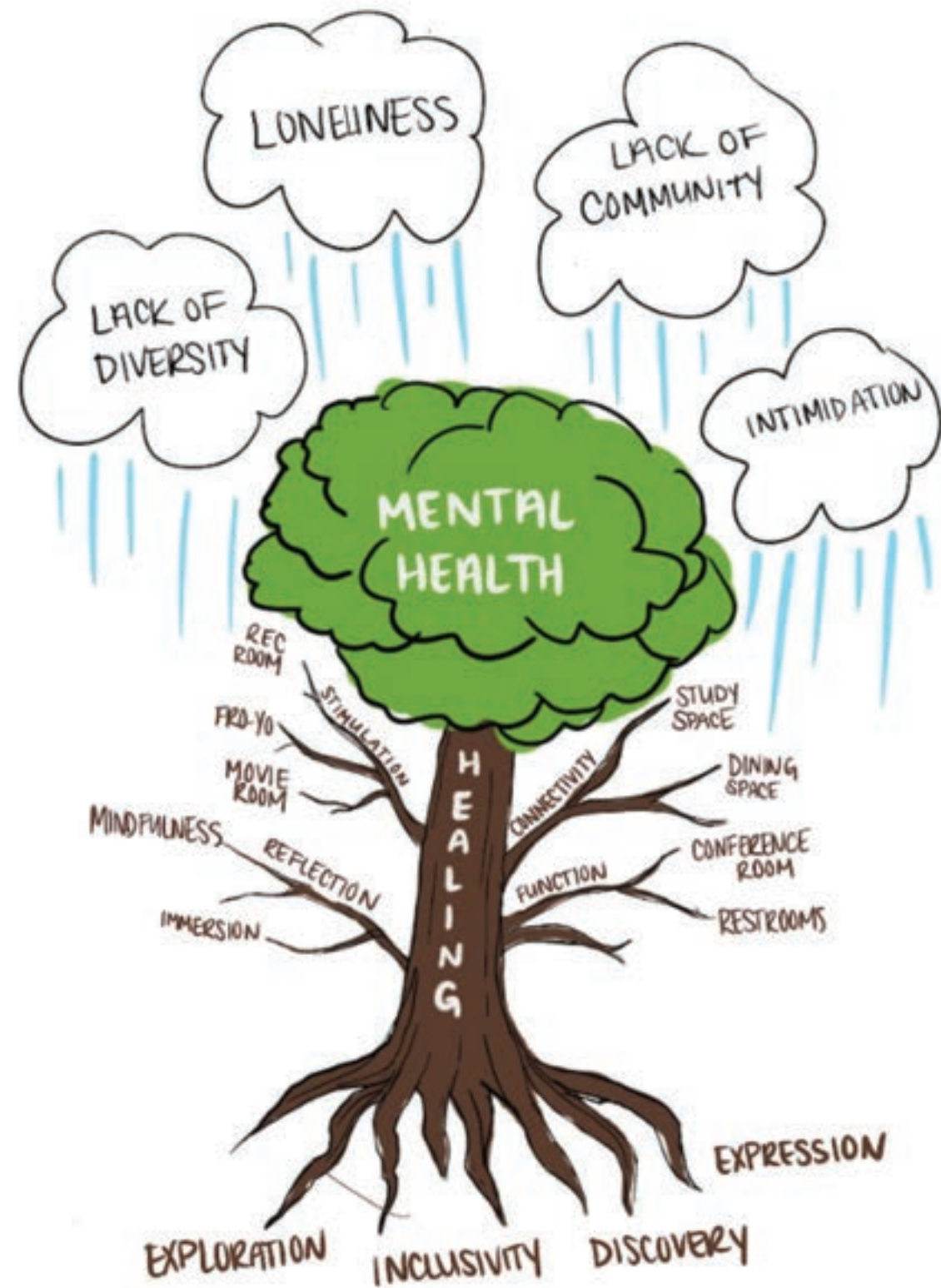


NORTH KITCHEN ELEVATION (ADOBE PHOTOSHOP)



# Commercial | Revit

## The Way One Heals - Student Lounge



### Concept Statement:

The concept behind this design is the way one heals through elements of stimulation, connectivity, and reflection. In order to address the mental health and well-being of college students, the space will advocate for exploration, expression, and inclusivity. Students will learn and grow as an individual as well as within the community.

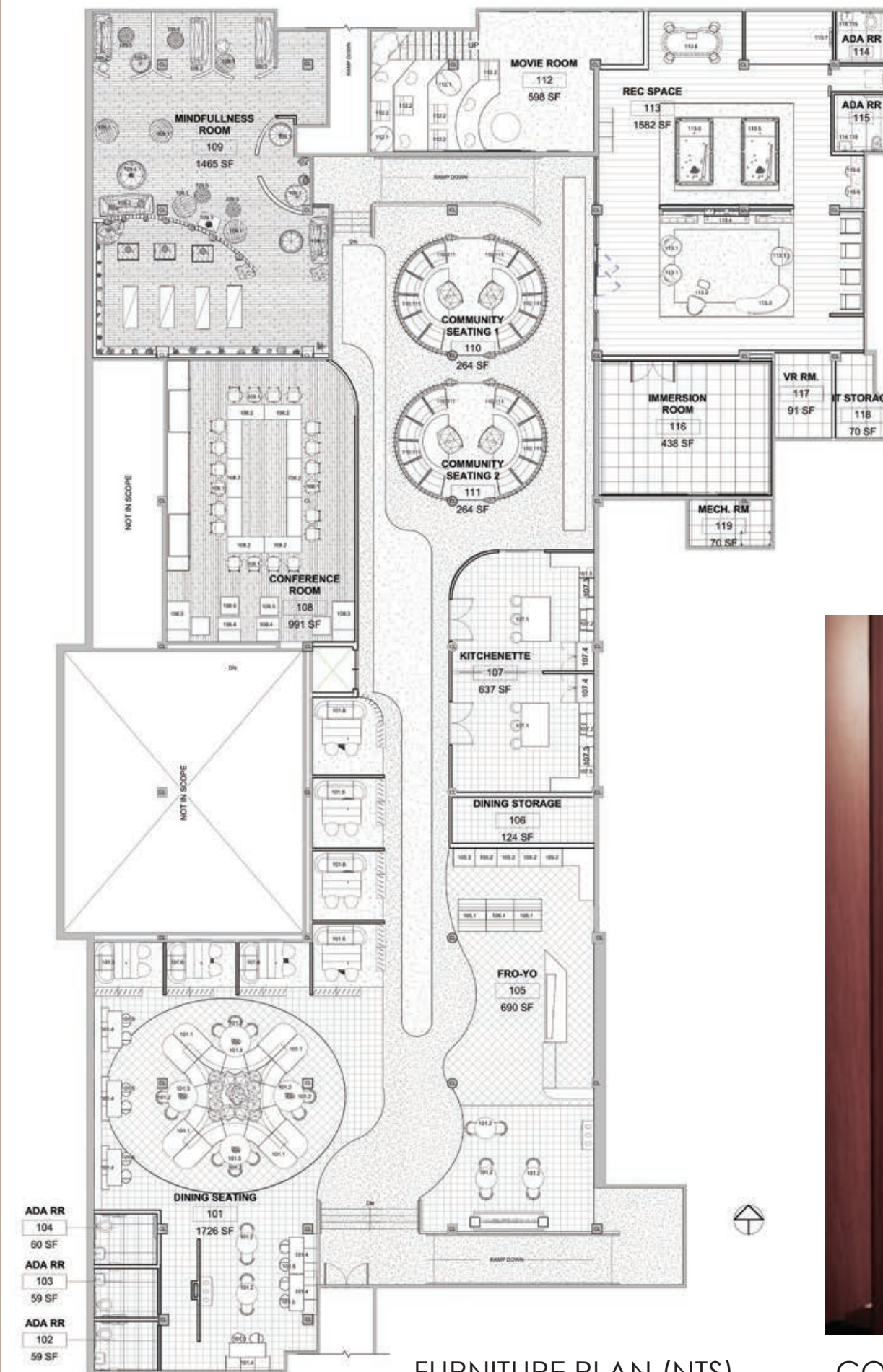
### Project Statement:

The goal of this space is to design a communal, inclusive space to promote in-person connectivity and lower problems of loneliness, intimidation, and lack of community and diversity present within new college students. A study at a university shows the proportion of students who screened positive for anxiety and depression disorders and who didn't receive any therapy services ranged from 37-84% depending on their disorder. Ultimately, this multivarious space would help aid the mental health crisis amongst new college students through different activity selections for processes of healing.

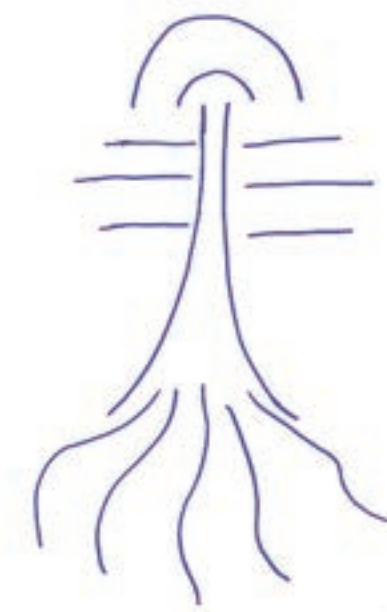
DINING AREA RENDERING (NTS) TO THE RIGHT



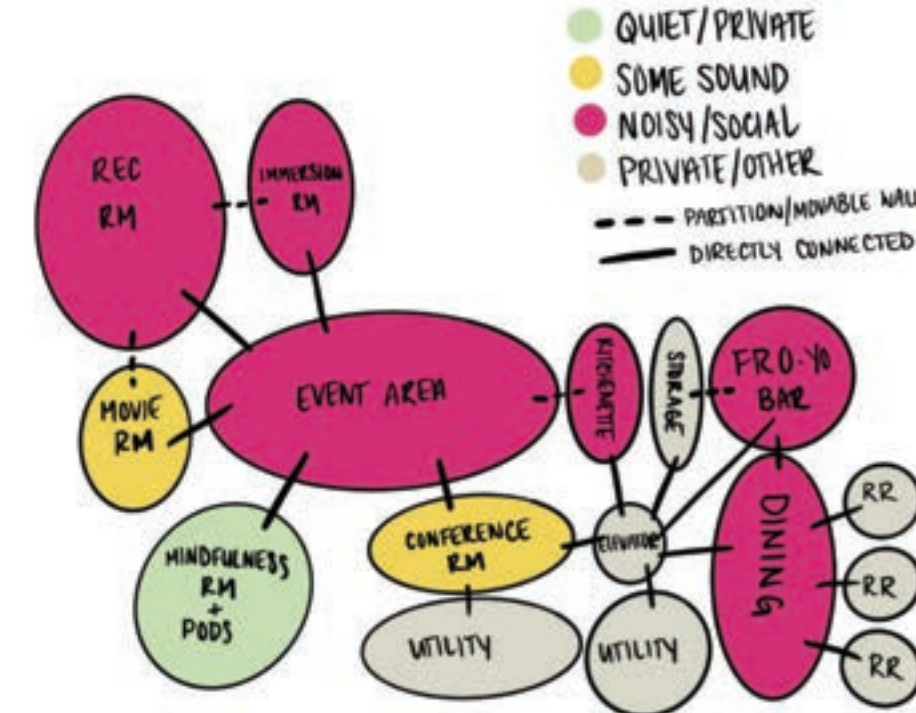




FURNITURE PLAN (NTS)



PARTI DIAGRAM



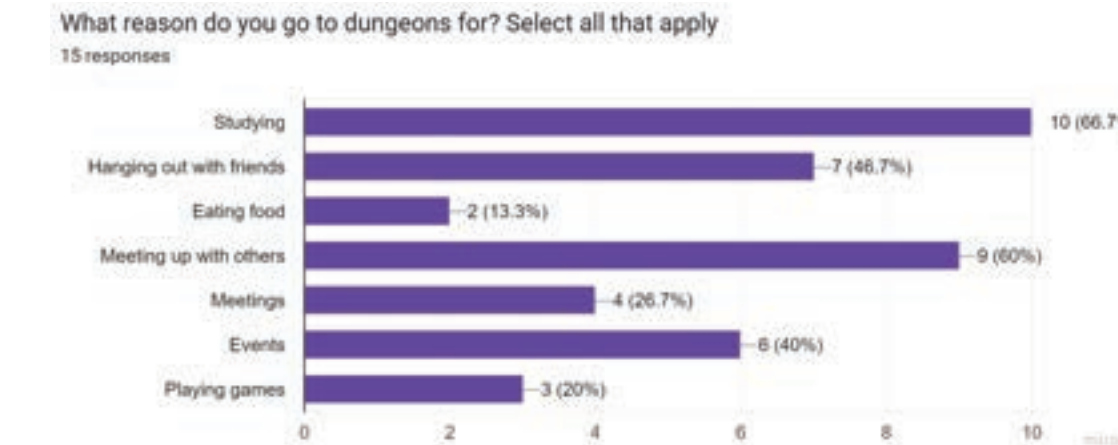
BUBBLE DIAGRAM



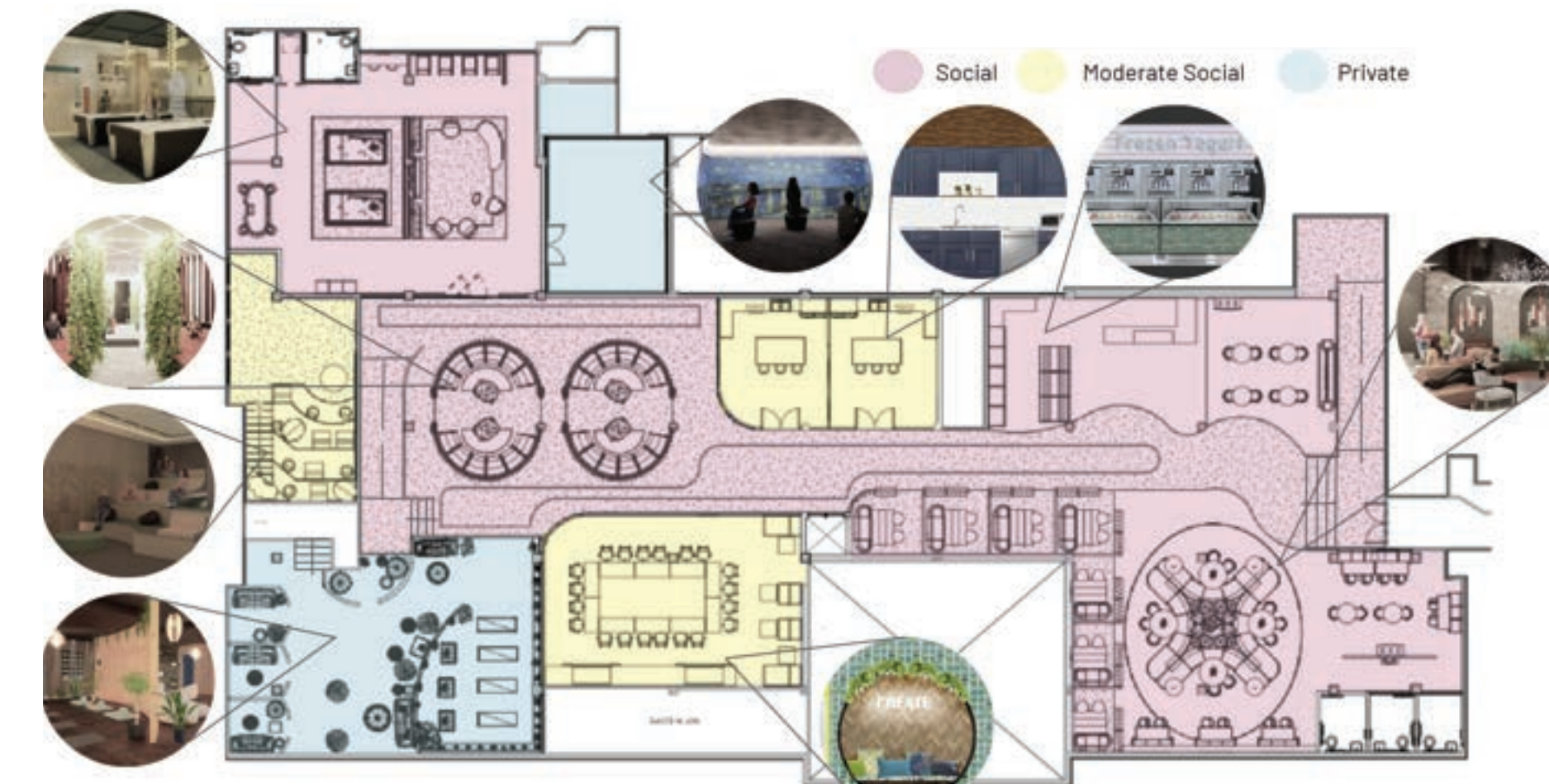
COMMUNITY SEATING RENDERING (NTS)

## Project Goal:

To remodel the lounge space in Friley Residence Hall known as the "Dungeons" into a space for gathering, studying, eating, and meeting. Based on the needs of students and a survey done of what the space is currently being used for by current residents, the space will include service zones, relaxation zones, study spaces, stimulating active spaces, and conference spaces to suit their needs.



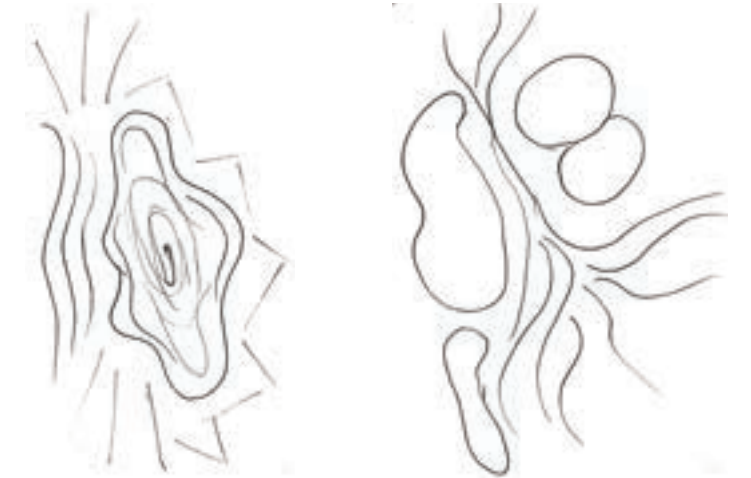
FRO-YO SERVICE RENDERED SECTION (NTS)



SPATIAL REFERENCE FLOOR PLAN (NTS)

## The Design Group:

We divided our group of three into focused zones in the floor plan. I focused on the main social spaces including the dining area, fro-yo shop, and community seating. For these spaces, we developed individual space planning and parti diagrams (shown below) as well as final renderings.



All design documents and renderings for this project can be found on my website:  
[rachelluchsinger.com](http://rachelluchsinger.com)

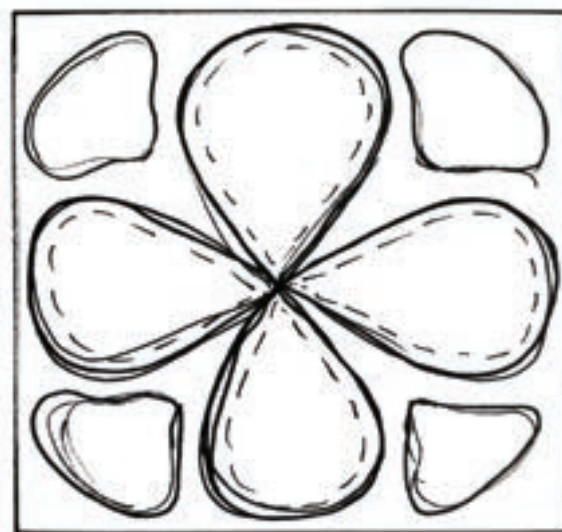


# Commercial | By Hand

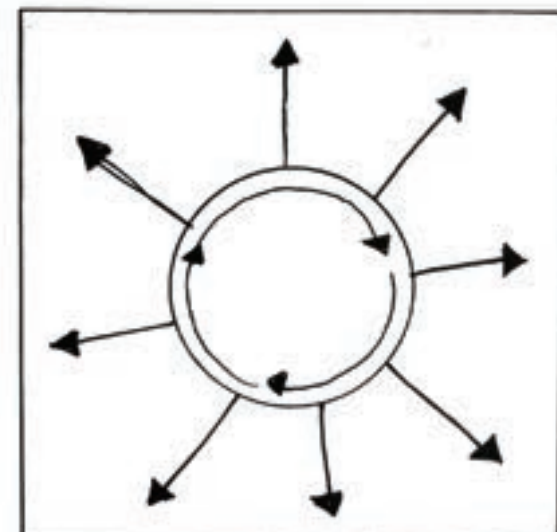
## The Aalto Museum

### Final Concept Statement:

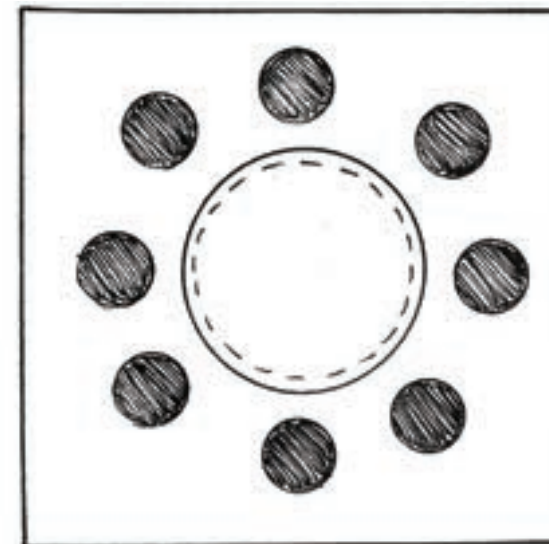
The concept behind the design is symmetry, centralization, and simplicity. The spaces are meant to be individualized and bring the feeling of peace with an intriguing sense to explore more and go deeper into the center of the space. They bring energy and attention to that central point with the curved lines of the walls pointing to the center, the symmetry of each space and overall place, and the simplicity of each space. Walls have curved features reflecting the curved lines used in the gallery artwork. Colors are muted to bring a sense of peace in an otherwise lively and moving space.



PARTI DIAGRAM



CIRCULATION DIAGRAM



SPATIAL ORGANIZATION



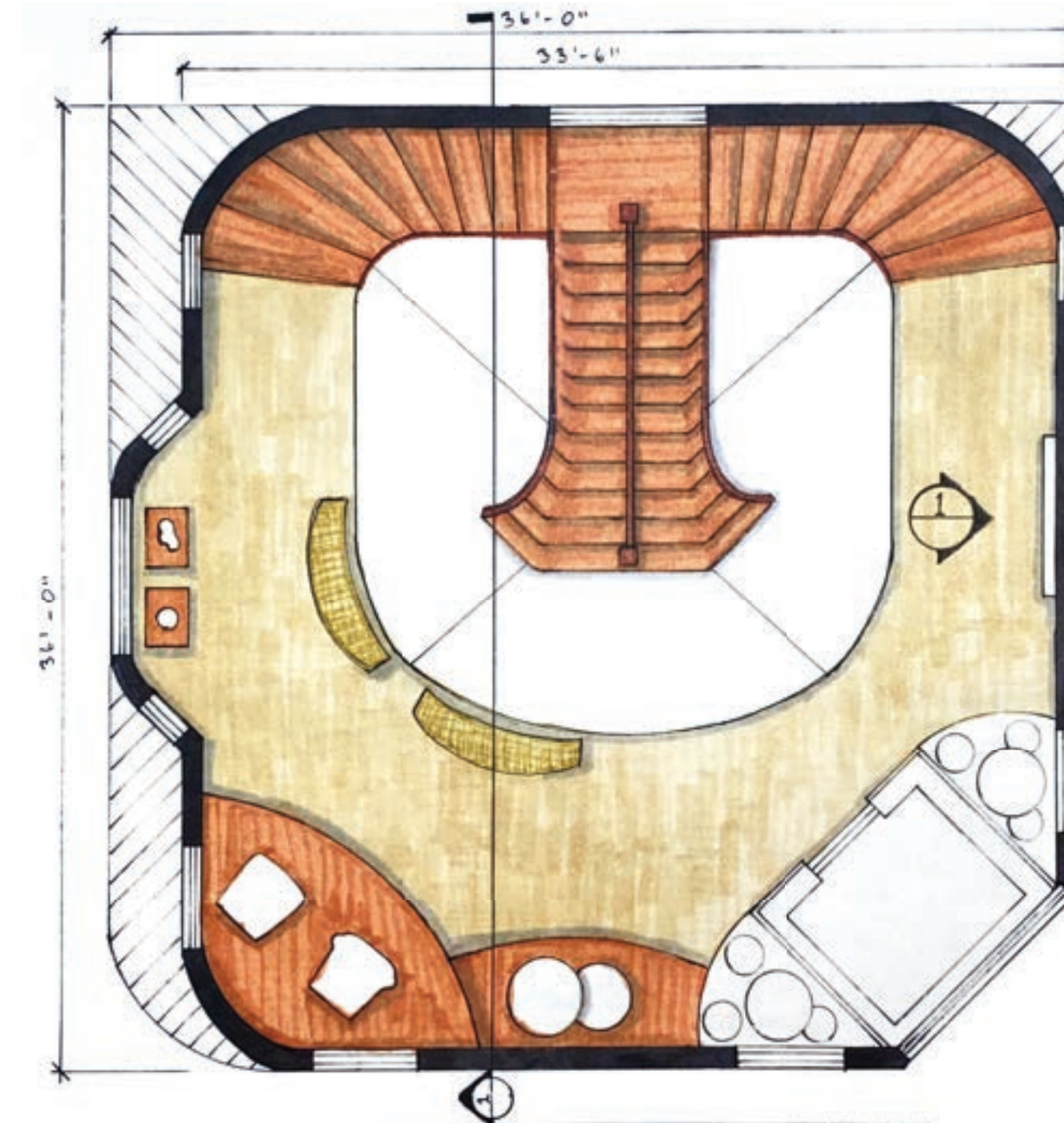


## Design Parameters:

Museum Design Project Based on Famous Designers Aino and Alvar Aalto; Materials Used: Micron pen, alcohol markers, foam core for modeling, tracing paper. This project covered hand-drafting and rendering skills, along with working through the design process.



RENDERED FLOOR PLAN LEVEL 1 NTS



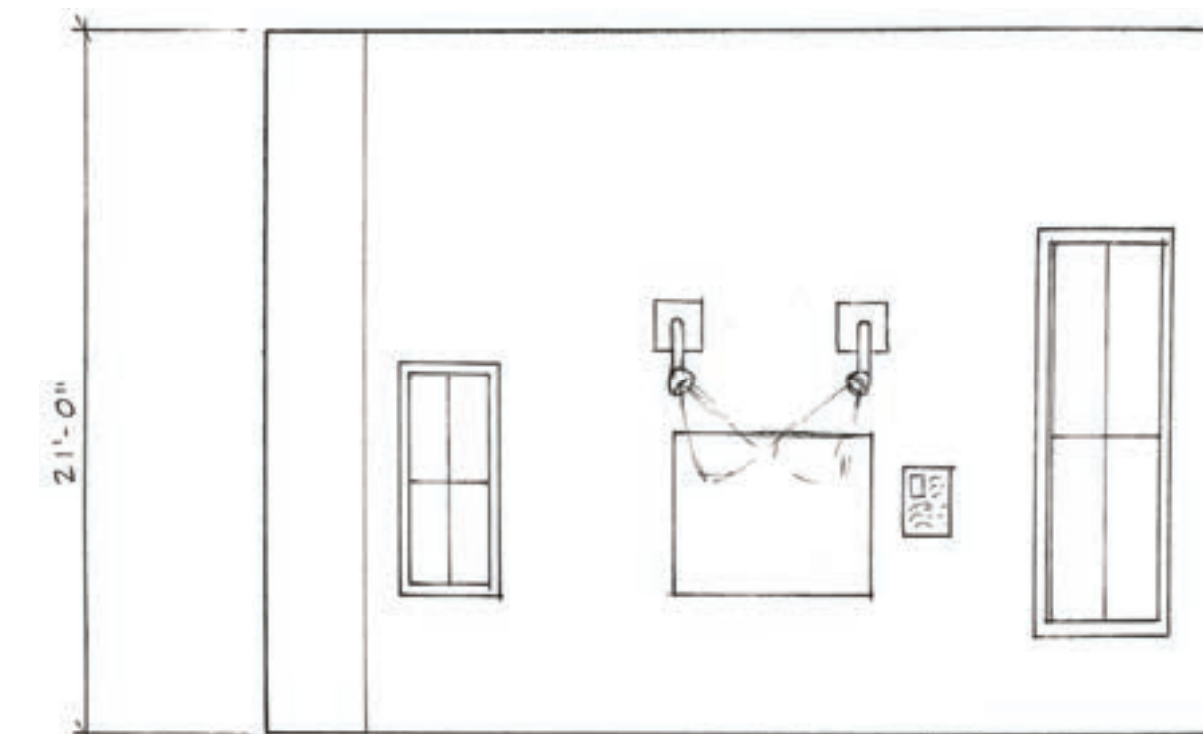
RENDERED FLOOR PLAN LEVEL 2 NTS



SECTION 1 NTS



INTERIOR PERSPECTIVE RENDERING BY HAND NTS (NOT TO SCALE)



ELEVATION 1 NTS

### Model:

1/4" Scaled model out of foam core shows the overall structure and spatial planning of the design, with the staircase and glass elevator being a statement.



FOAM CORE MODEL SCALE: 1/4" = 1' - 0"



# Commercial | Sketchup

## Ames Co-Lab

### Design Parameters:

Sketchup Workplace Project for Graphic Communication Class; Programs Used: Sketchup, Adobe Creative Suite (Photoshop and InDesign). This project covered application of a workplace design into the Sketchup virtual rendering program. (Rendered sections shown below).



RENDERED WEST SECTION NTS



RENDERED EAST SECTION NTS



### Materials above:

“Look and feel” materials board above shows material selections for the project.

### Renderings on the right:

Top rendering of the mezzanine level to the office space; bottom rendering of the kitchen/eating area on my main floor of the office space (both renderings done in Sketchup and Adobe Photoshop).





# Structural | 3D Model

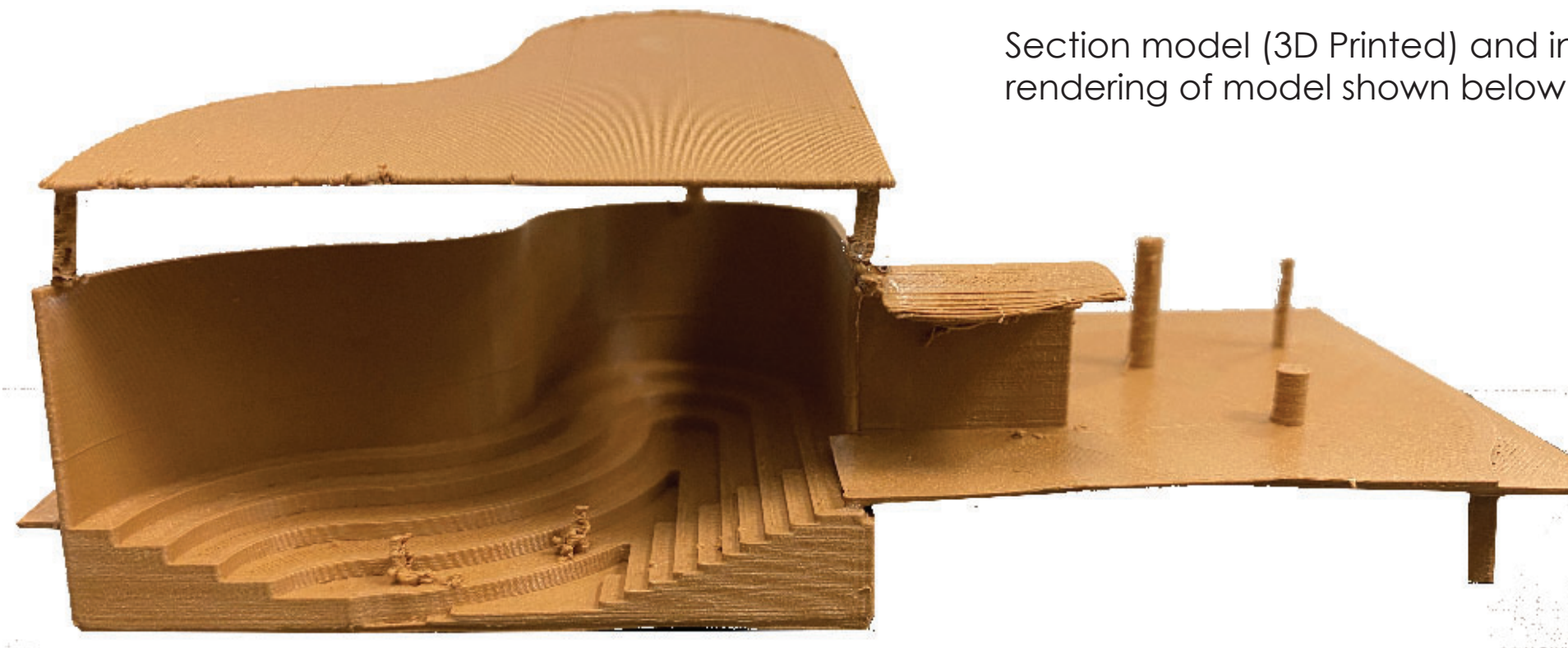
## The Grand Pavilion

### Concept Statement:

The concept of this design is community through live music. This space is an experience for students to walk through and either reflect individually, or gather as a group to celebrate live music and its importance in our modern-day world.

### Project Goal:

To create a pavilion design outside the Student Innovation Center, with a goal of bringing people together through music collaboration and performance in an acoustically pleasing and centering design. The structure and materials will reflect that of a grand piano.

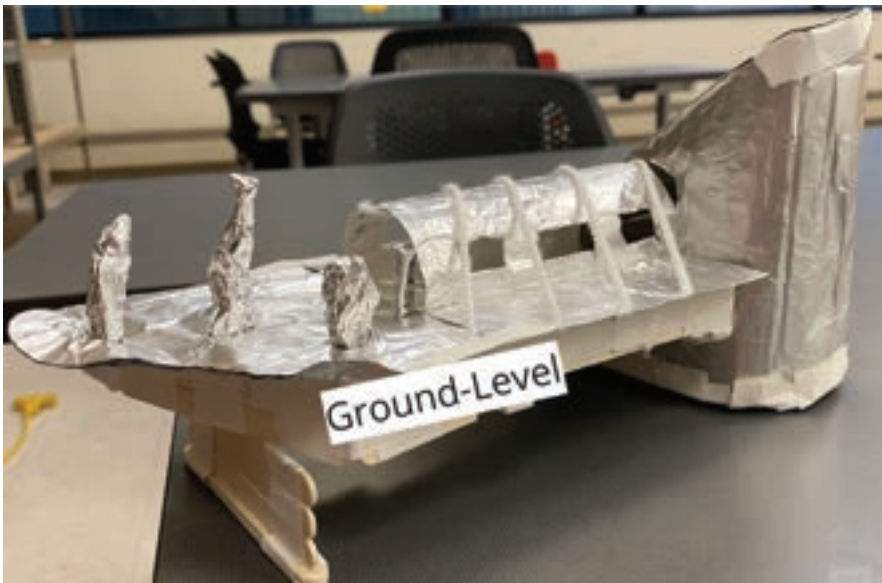


Section model (3D Printed) and interior rendering of model shown below

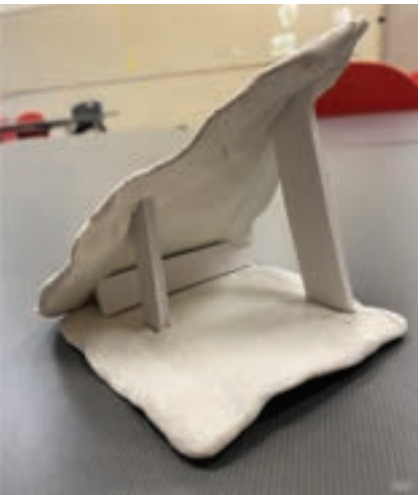


### Piano Study:

Inspired from Charles Brooks: "Architecture In Music" photos of piano interiors to architectural scale... a personal piano study was conducted on a Music Hall grand piano, exploring scale, architectural forms, and structure, which will directly translate into study models and concept development.



Second study model used aluminum foil, popsicle sticks, string, and masking tape to develop forms, concept, layout, and circulation further



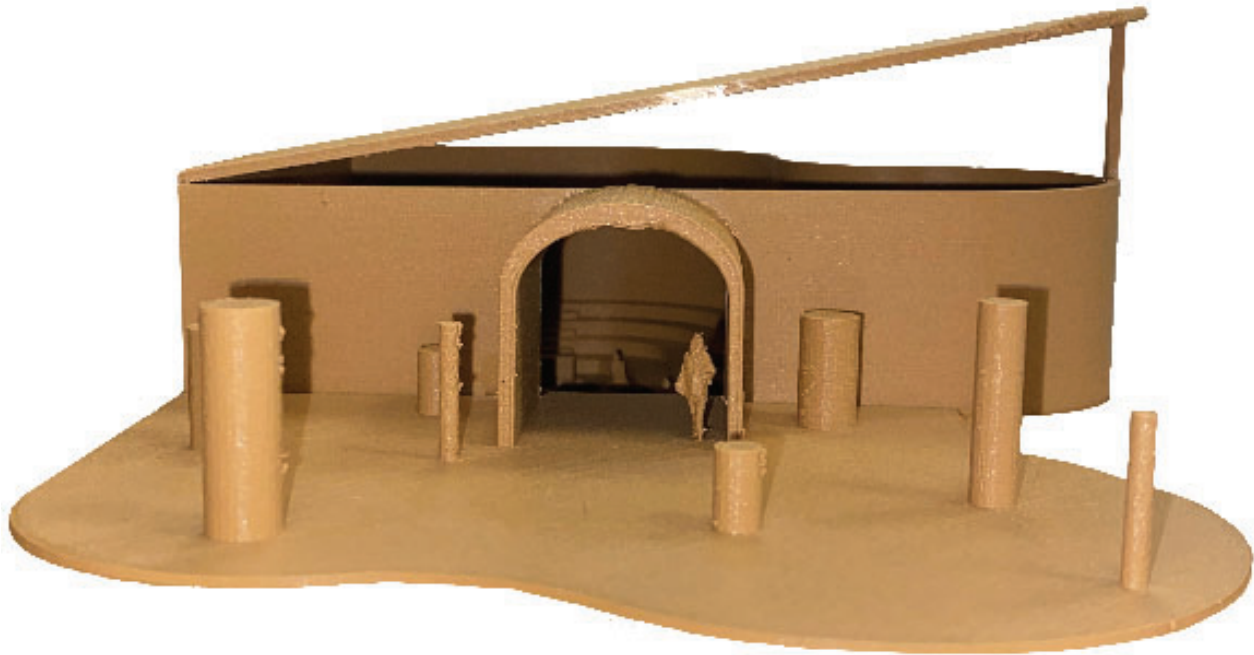
**Model 1:** Explores organic shapes and structure.



**Model 2:** Explores negative space and arch development.



**Model 3:** Explores interior of piano forms and proportion.



FINAL 3D PRINTED MODEL SCALE: 1/4" = 1' - 0"

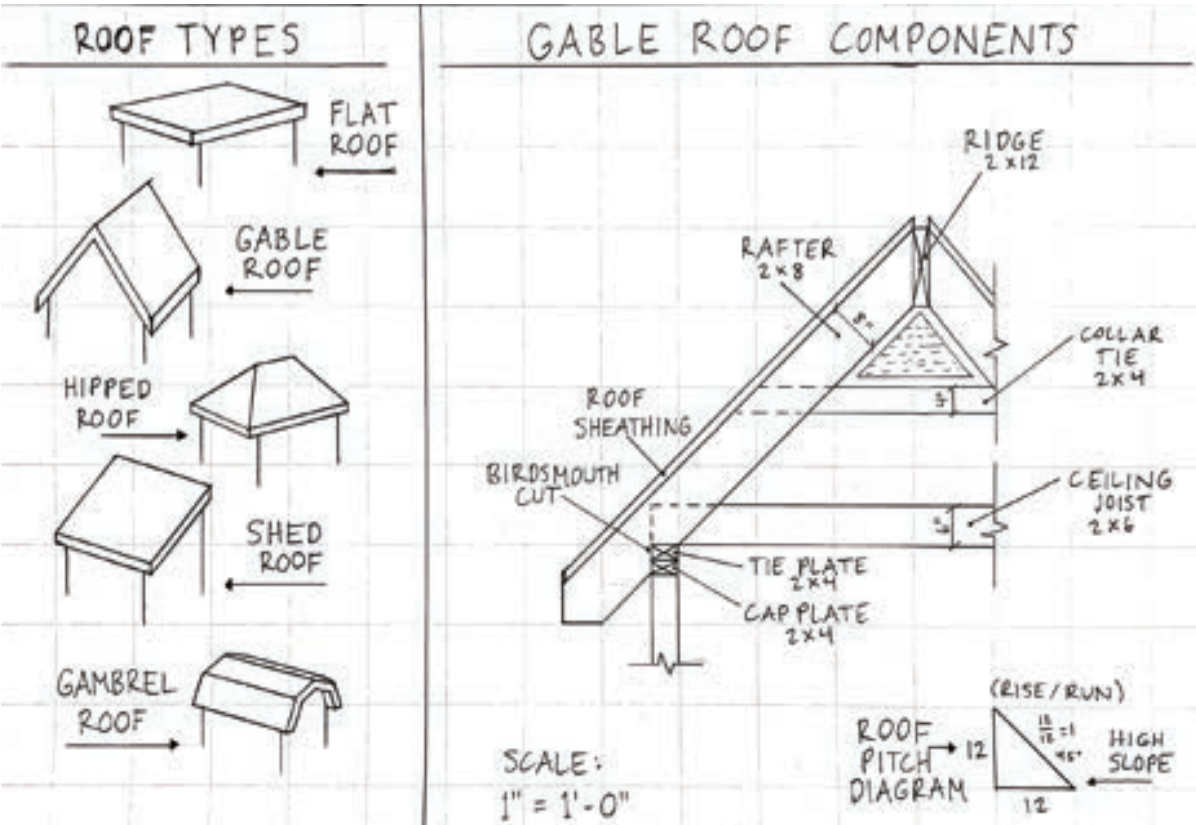
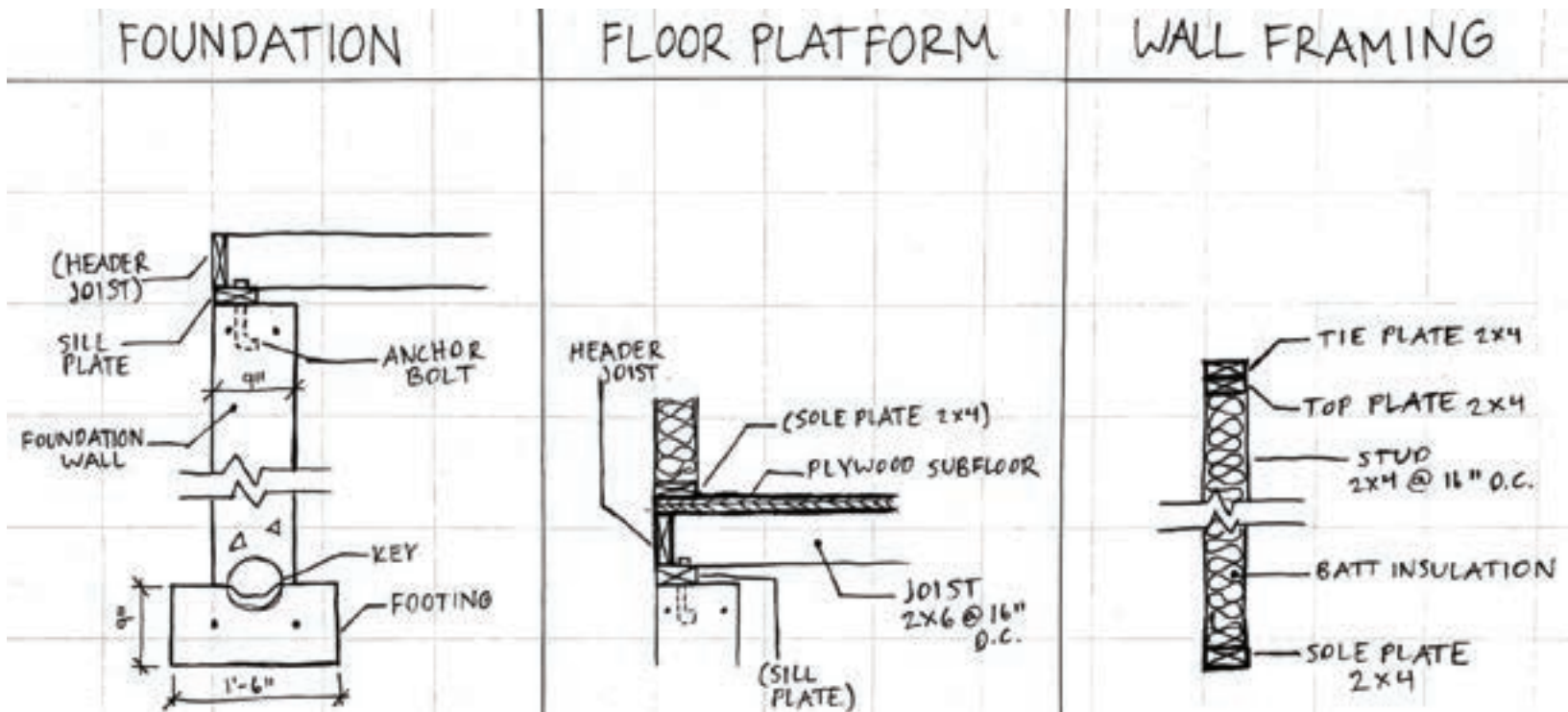
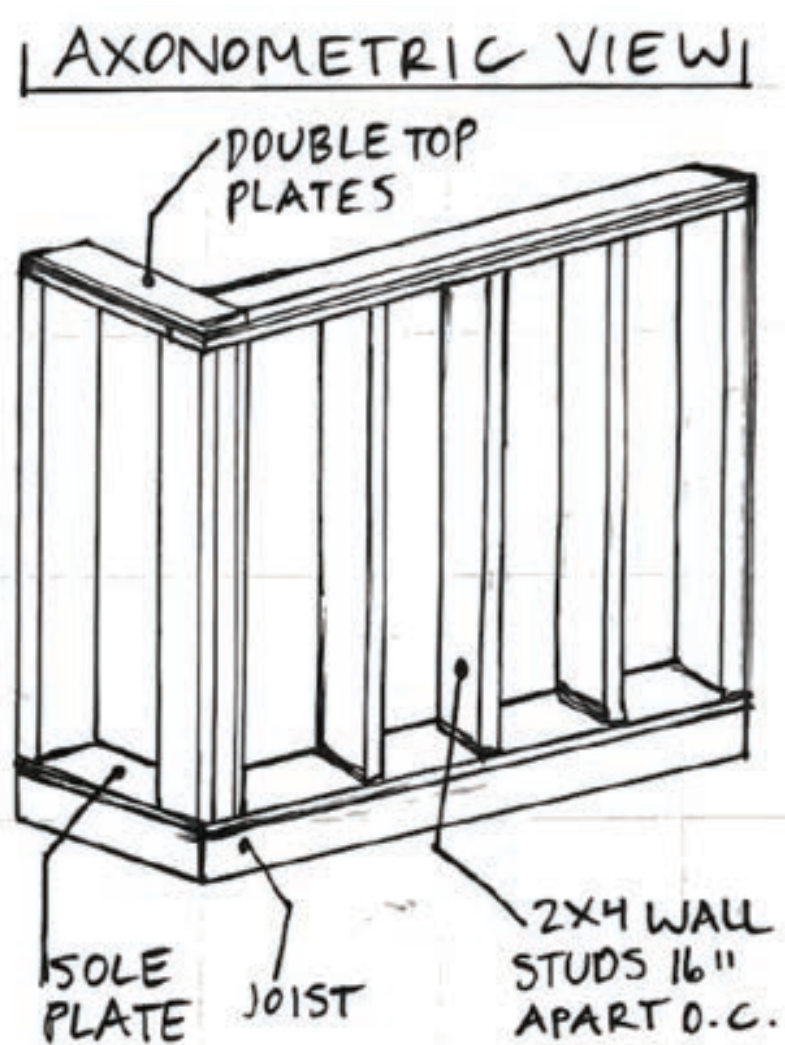


# Structural | Hand Model

## Wood Platform Frame House

### Project Statement:

This platform frame construction model represents a 4'-0" wide by 8'-0" long room with 8'-0" ceilings, 4'-0" roof, and 48" footing/foundation. It is shown in the model at a scale of 1"=1'-0". Along with the footing and foundation, the floor platform, wall framing, and ceiling construction is shown with two completed walls and a section cut on the left side. There is also a door frame shown in the 8'-0" long wall. The roof framing is a hip roof and includes all hip roof components with the section cut on the left side. A piece of the subfloor is also included on the floor platform to represent where that would go.

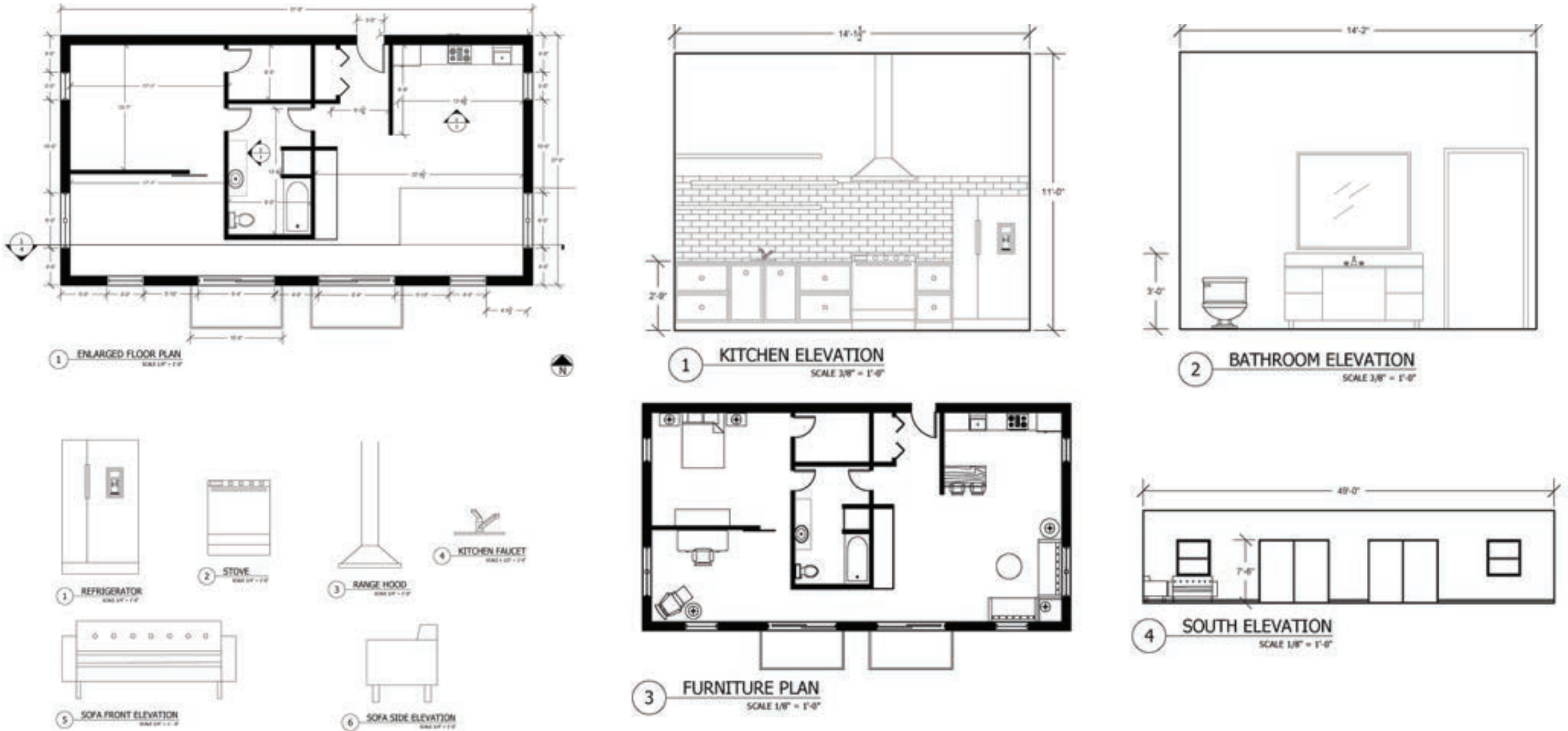




# Multi-Family | AutoCad

## Small Residence Apartment

**Design Parameters:** Graphic Communication Class Project for AutoCAD basics: All design drawings are done in AutoCAD to learn the basics of the program. This project covered the skills necessary to communicate designs through AutoCad.

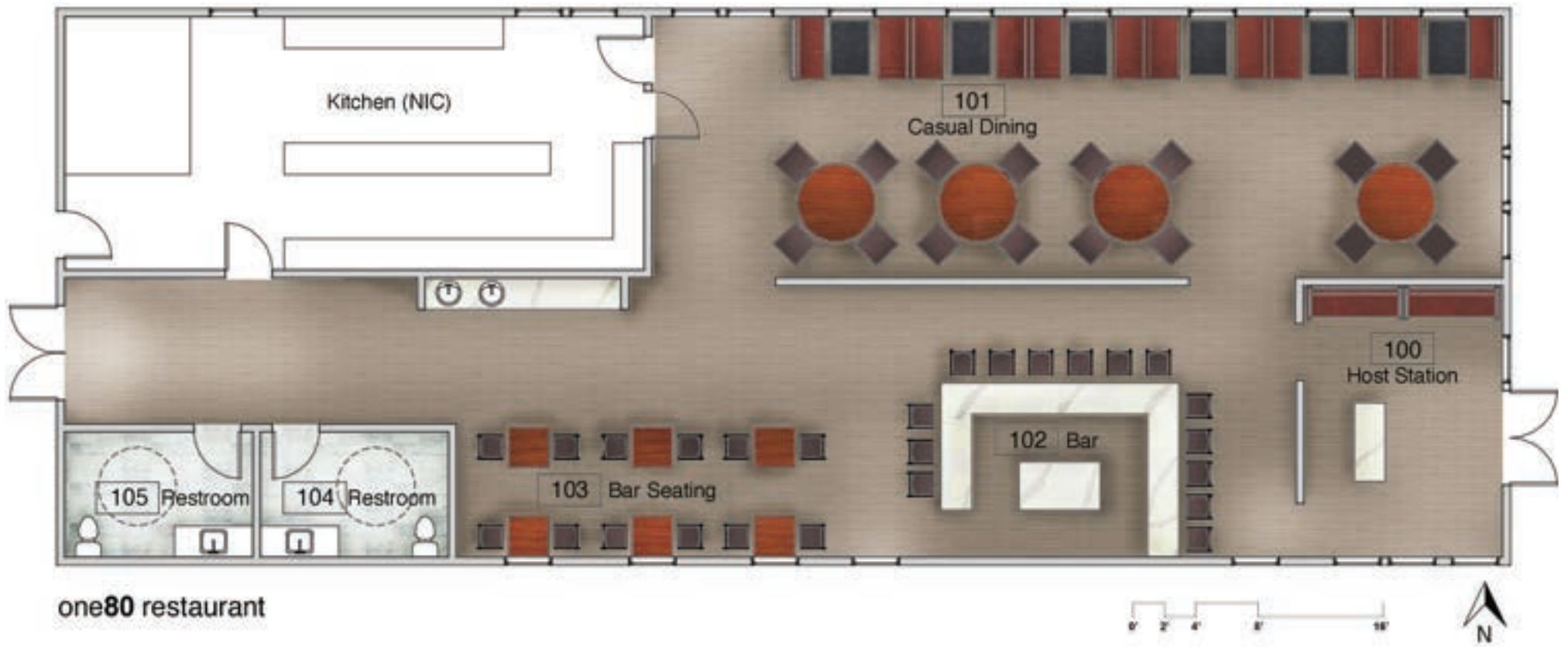
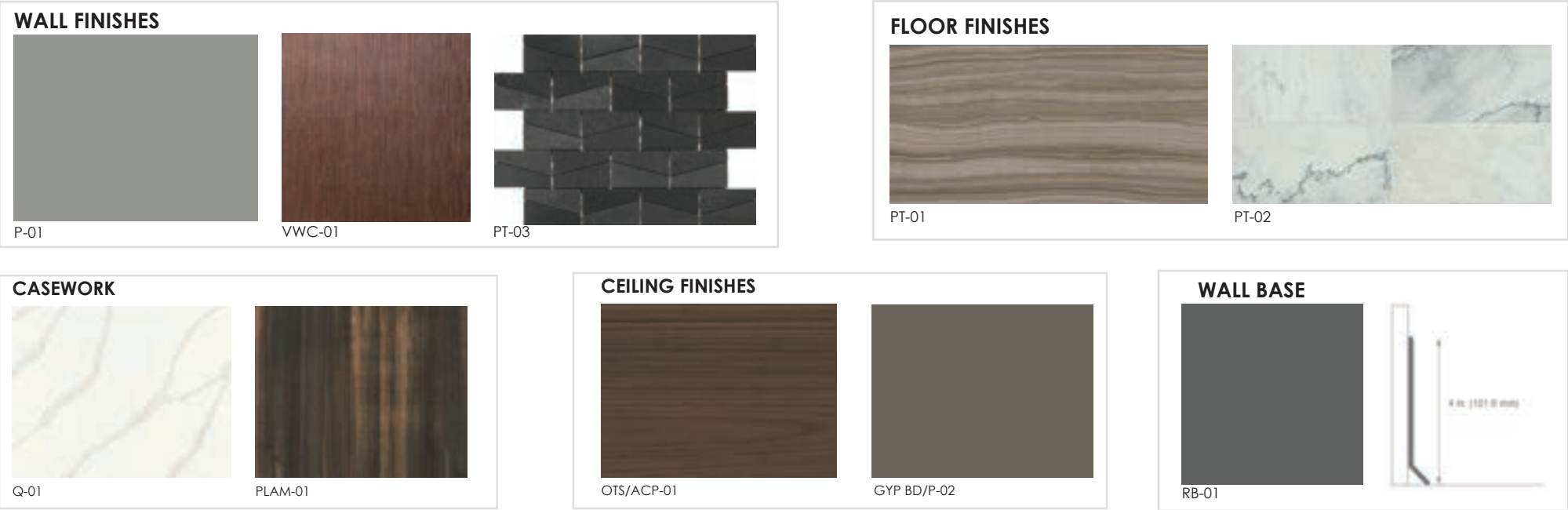


# Commercial | Adobe Suite

## One 80 Restaurant

**Materials and finishes:**  
Selection to the right

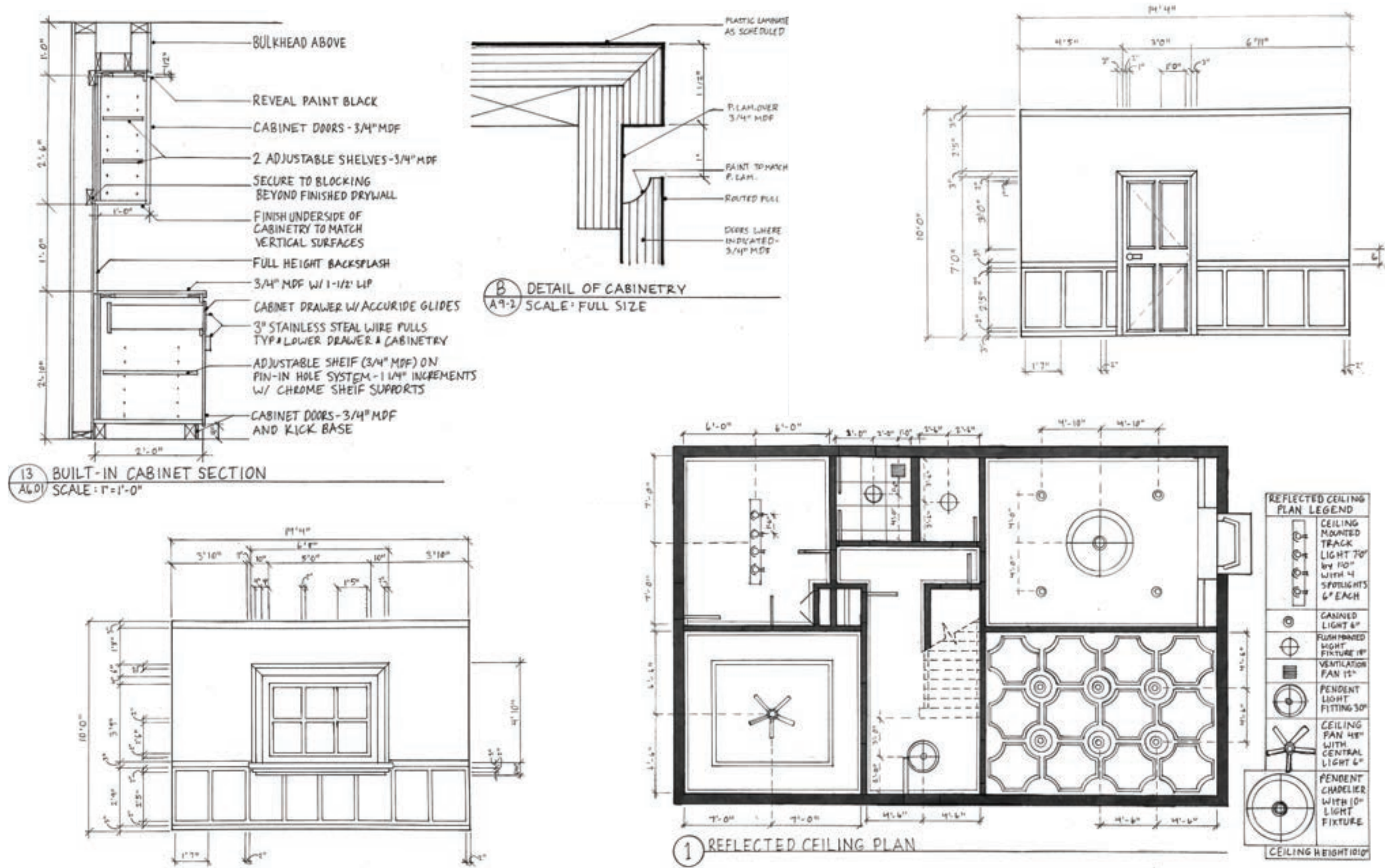
**Rendered floor plan:**  
Bottom left



**Design Parameters:**  
Materials and Finishes Class Restuarant Project; Programs Used: Adobe Creative Suite (Photo-shop and InDesign), Microsoft Excel. This project covered specifications and the application of those into a design.



Construction Documents



Hand Renderings





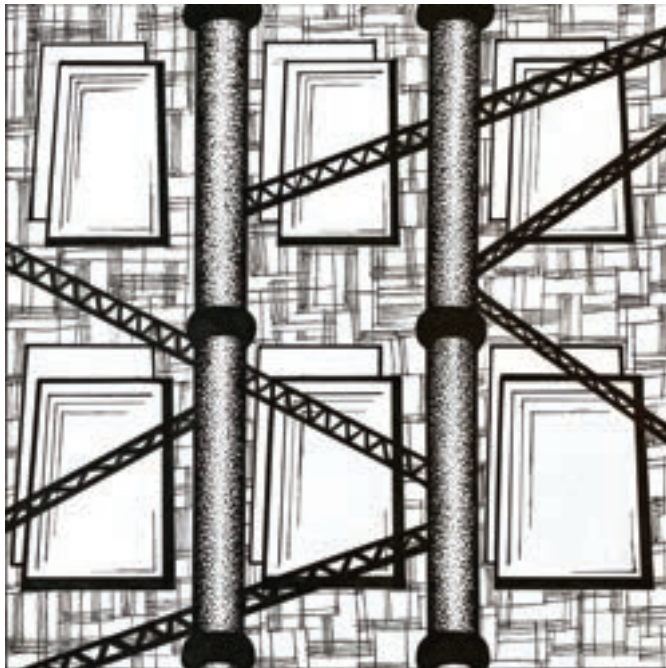
# Iowa State Visual Art



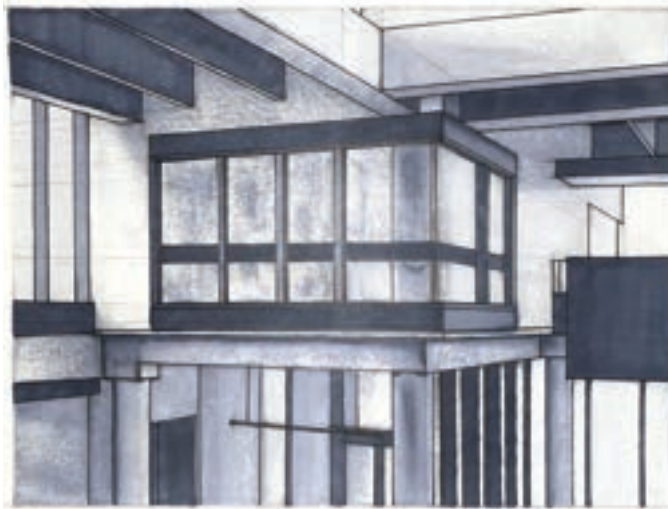
MICRON PEN STILL LIFE (18" X 24")



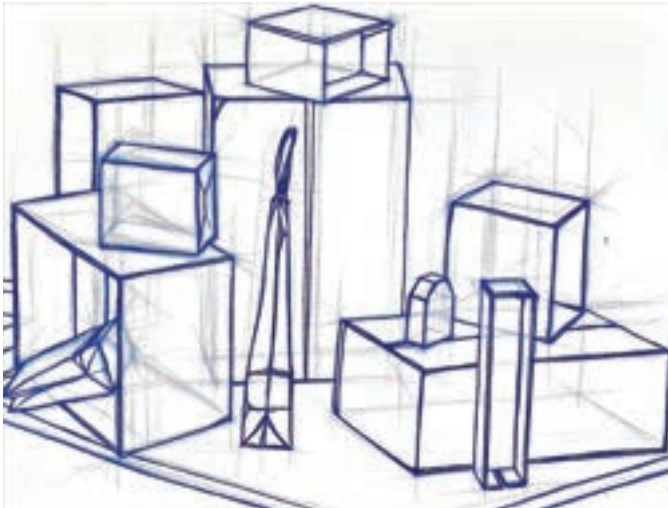
GRAPHITE STILL LIFE (18" X 24")



MICRON "30-20-10" (10" X 10")



COPIC MARKER PERSPECTIVE



PENCIL STILL LIFE (18" X 24")



COLORED PENCIL LANDSCAPE

# St. Paul College Visual Art



CHARCOAL LANDSCAPE (18" X 24")



CHARCOAL LANDSCAPE (18" X 24")



GRAPHITE PERSPECTIVE (18" X 24")



WATERCOLOR STILL LIFE (11" X 17")



MORE WATERCOLOR







Thank You!  
Stay in Contact:

[rachelluchsinger.com](http://rachelluchsinger.com) | 651-368-1008 | [rachelluchsinger1@gmail.com](mailto:rachelluchsinger1@gmail.com)