



Portfolio 1

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Assignment 1: Background Info.

Stakeholder Profile

- Owner:
 - The property owner, a real estate owner, of the building located at the corner of Cotanche St & 5th St
 - The real estate owner is expecting to see how well a showroom might do in their buildings for the possibility of hosting one again or hosting something like a showroom
- Client:
 - Herman Miller Furniture
 - The client is expecting to see how the showroom correlates with the ideas of the clients, buyers, attendees, etc. to persuade them into buying furniture pieces from their furniture company
- Users:
 - Clients/Buyers seeking modern furniture for their space: these users are expecting to see how furniture pieces of Herman Miller would fit in their homes if they were to buy pieces from them
 - Attendees at community events: these users are in the space to check out socialize and look at what the space has to offer
 - Employees: these users are in the space to work in an environment that is safe, simple to explain and use, while also helping guests that enter the space find what they are looking for



Assignment 1: Background Info.

Site Profile

- Location: Located on the corner of Contanche St. & 5th St. (Buildings 201, 203, & 205)
- Usable Square Footage: 3,000 +/-



Assignment 1: Background Info.

Site Analysis

- Entrances:



- Daylight:

- Morning



- Day/Evening



- Usable Square Footage:

- 2,905 sq ft



Assignment 1: Background Info.

Design Problem Statement

- Lighting the interior due to the limited amount of daylight
- Multiple entrances to keep track of who is coming in and out
- Walkways to travel between the three buildings
- How to organize each section according to Herman Miller Furniture
- Making sure the building is wheelchair accessible
- Making the space flow very fluid to persuade the users to walk through the entire building
- A balance of design and function
- Showcasing the Herman Miller furniture in a way that will persuade the users to buy and look



Assignment 2: Research

Sustainability in Interior Environments

Why is building sustainable so important?

Building sustainable is important because it plays a key role in helping business owners reduce resources while maintaining a higher quality indoor environment for anyone who may use the space. Many of the unnecessary energy and water usage can affect the health and comfort of all who walk in.

Sustainable Building Methods

Some building methods include using environmentally or eco-friendly products, which can reduce the impact of construction on the surrounding environment. For interior, this can include the material used on cabinets, counters, flooring, and insulation. This may also include using the natural elements of the environment. Some examples include daylight, to help cool or heat the building and avoiding volatile organic compounds, such as carpets that contain these chemicals. Other building methods include the things a person may install into the building such as eco-friendly lighting, water conserving fixtures, programmable thermostats, HVAC systems, and energy-star windows. With all the ways a building can become sustainable, there is an important thing to keep in mind which is embodied energy. Embodied energy is the energy consumed by all the processes associated with the production of a building, from mining and processing of natural resources to manufacturing, transport and product delivery. This can be measured as the quantity of non-renewable energy per unit of

building material, component, or system. Lastly, there is the basics in sustainable design which is reduce, reuse, and recycle.

Trends in Historic Preservation

The basic definition for historic preservation is the protection of historic and archaeological resources that are associated with the important past events, themes, and people; that are representative of things in architecture. They either possess a high artistic value or yield valuable information about our history. Many of the trends in historic preservation is the sophistication of the design in buildings that possess the principles of old architectural styles without misinterpreting them. Today, for any building to be under historic preservation it must contain a solution to the space with elements such as, cost-effective, secure/safe, sustainable, accessible, and it must be function/operational. With these elements in play, buildings can lead to new insights in design and construction while also possessing aesthetics that were used throughout history in architecture.



LEED ENERGY CREDITS

Review our points breakdown for the LEED v4 credits for Interior Design and Construction.

This article is part of a series that provides an overview of the requirements and options in LEED.

In our [previous article](#), we listed the prerequisites, credits, and points in the LEED O+M rating system. Today, we will go over LEED v4 for Interior Design and Construction (LEED ID+C). This rating system addresses the following project types:

- Retail
- Hospitality
- Commercial Interiors

In the chart below, we've outlined all of the prerequisites and credits as well as the maximum number of points you can earn for each credit in this rating system.

LEED ID+C prerequisites and credits

C = Credit; P = Prerequisite

Integrative Process

Credit/Prerequisite Name	Commercial Interiors (Points)	Retail (Points)	Hospitality (Points)
Integrative Process (C)	2	2	2

Location and Transportation

Credit/Prerequisite Name	Commercial Interiors (Points)	Retail (Points)	Hospitality (Points)
LEED for Neighborhood Development Location (C)	18	18	18
Surrounding Density and Diverse Uses (C)	8	8	8
Access to Quality Transit (C)	7	7	7
Bicycle Facilities (C)	1	1	1
Reduced Parking Footprint (C)	2	2	2

Water Efficiency

Credit/Prerequisite Name	Commercial Interiors (Points)	Retail (Points)	Hospitality (Points)
Indoor Water Use Reduction (P) Req'd	Req'd	Req'd	Req'd
Indoor Water Use Reduction (C) 12	12	12	12

Energy and Atmosphere

Credit/Prerequisite Name	Commercial Interiors (Points)	Retail (Points)	Hospitality (Points)
Fundamental Commissioning and Verification (P) Req'd	Req'd	Req'd	Req'd
Minimum Energy Performance (P)	Req'd	Req'd	Req'd
Fundamental Refrigerant Management (P)	Req'd	Req'd	Req'd
Enhanced Commissioning (C)	5	5	5
Optimize Energy Performance (C)	25	25	25
Advanced Energy Metering (C)	2	2	2
Renewable Energy Production (C)	3	3	3
Enhanced Refrigerant Management (C)	1	1	1
Green Power and Carbon Offsets (C)	2	2	2

Material and Resources

Credit/Prerequisite Name	Commercial Interiors (Points)	Retail (Points)	Hospitality (Points)
Storage and Collection of Recyclables (P)	Req'd	Req'd	Req'd
Construction and Demolition Waste Management Planning (P)	Req'd	Req'd	Req'd
Long-Term Commitment (C)	1	1	1
Interiors Life-Cycle Impact Reduction (C)	4	5	4
Building Production Disclosure and Optimization: Environmental Product Declarations (C)	2	2	2
Building Production Disclosure and Optimization: Sourcing of Raw Materials (C)	2	2	2
Building Production Disclosure and Optimization: Material Ingredients (C)	2	2	2
Construction and Demolition Waste Management (C)	2	2	2

Indoor Environmental Quality

Credit/Prerequisite Name	Commercial Interiors (Points)	Retail (Points)	Hospitality (Points)
Minimum Indoor Air Quality Performance (P)	Req'd	Req'd	Req'd
Environmental Tobacco Smoke Control (P)	Req'd	Req'd	Req'd
Enhanced Indoor Air Quality Strategies (C)	2	3	2
Low-Emitting Materials (C)	3	3	3
Construction Indoor Air Quality Management Plan (C) 1	1	1	1
Indoor Air Quality Assessment (C)	2	2	2
Thermal Comfort (C)	1	1	1
Interior Lighting (C)	2	2	2
Daylight (C)	3	3	3
Quality Views (C)	1	1	1
Acoustic Performance (C)	2	N/A	2

Innovation

Credit/Prerequisite Name	Commercial Interiors (Points)	Retail (Points)	Hospitality (Points)
Innovation (C)	5	5	5
LEED Accredited Professional (C) 1	1	1	1

Regional Priority

Credit/Prerequisite Name	Commercial Interiors (Points)	Retail (Points)	Hospitality (Points)
Regional Priority (C)	4	4	4

In our next article, we'll give you an overview of the prerequisites, points and credits in the [LEED for Home](#)

Works Cited

<https://www.creativebloq.com/graphic-design/14-biggest-challenges-design-today-31619475>

<https://www.furniturelightingdecor.com/focus-sustainable-interior-design>

<https://www.furniturelightingdecor.com/focus-sustainable-interior-design>

<https://www.disd.edu/blog/what-is-green-interior-design-a-primer-on-interior-design-for-the-sustainably-minded/>

<https://www.usgbc.org/articles/leed-idc-credits-and-points>

Assignment 3: Concept/Inspiration

Images

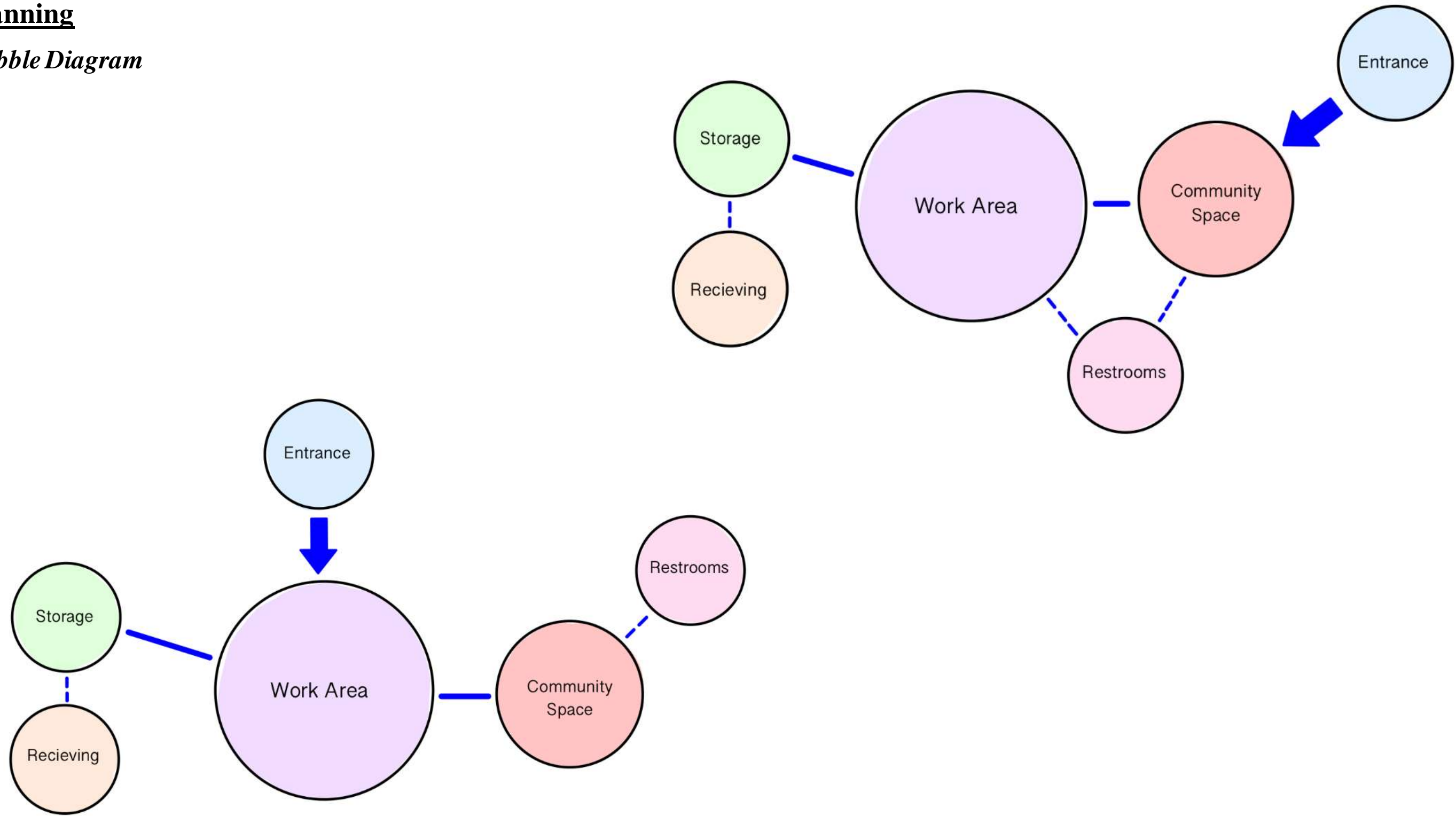
Concept Statement

- Simple aesthetics to help people coming in, establish a walkway throughout the space while illustrating a cohesive design
- Vibrancy of color will draw the eye of clients/buyers, attendees, and employees to stop them from moving too quickly through the space
- Lots of greenery to “bring the outside in”
- Lighting throughout to establish a walkway throughout the building



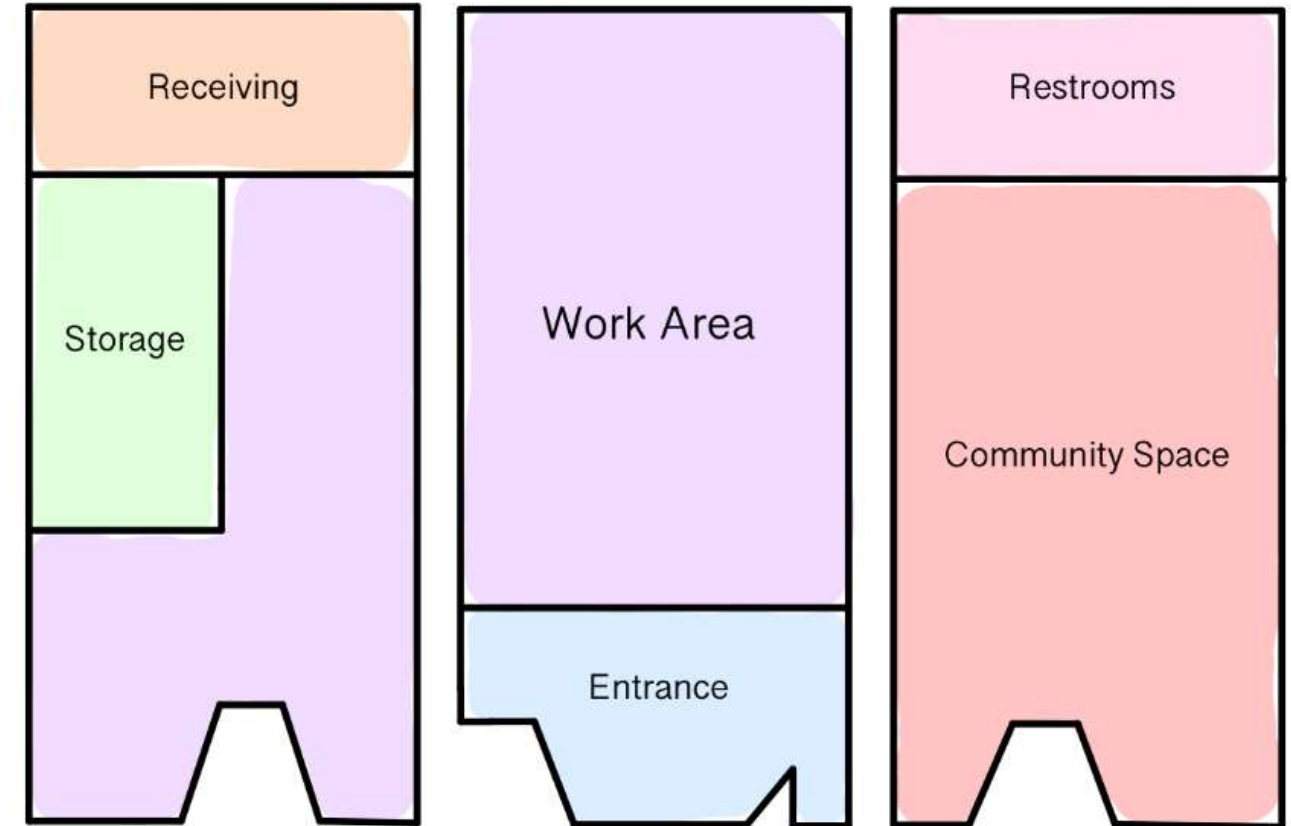
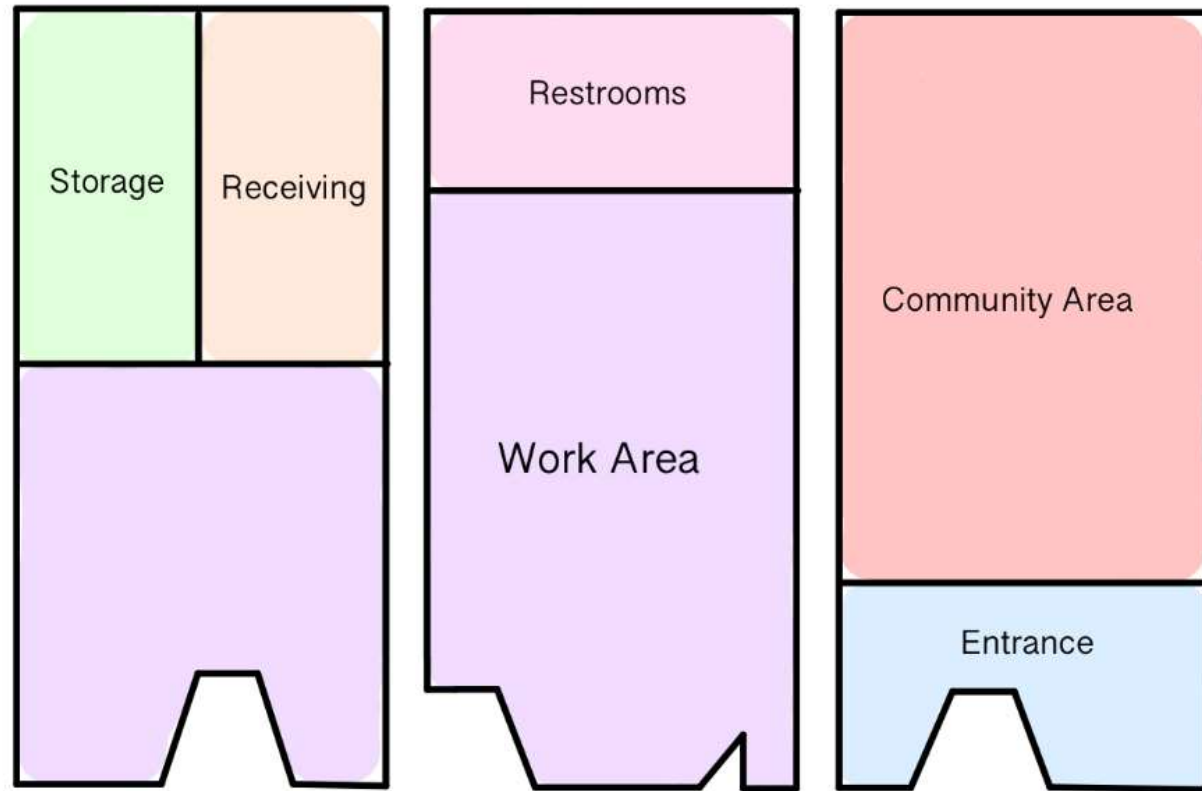
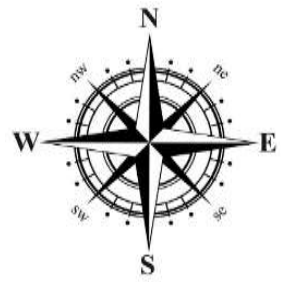
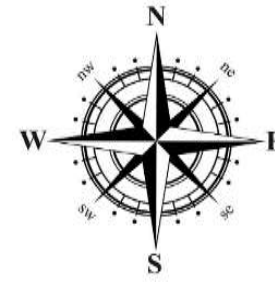
Assignment 4: Client Workflow and Planning

Bubble Diagram



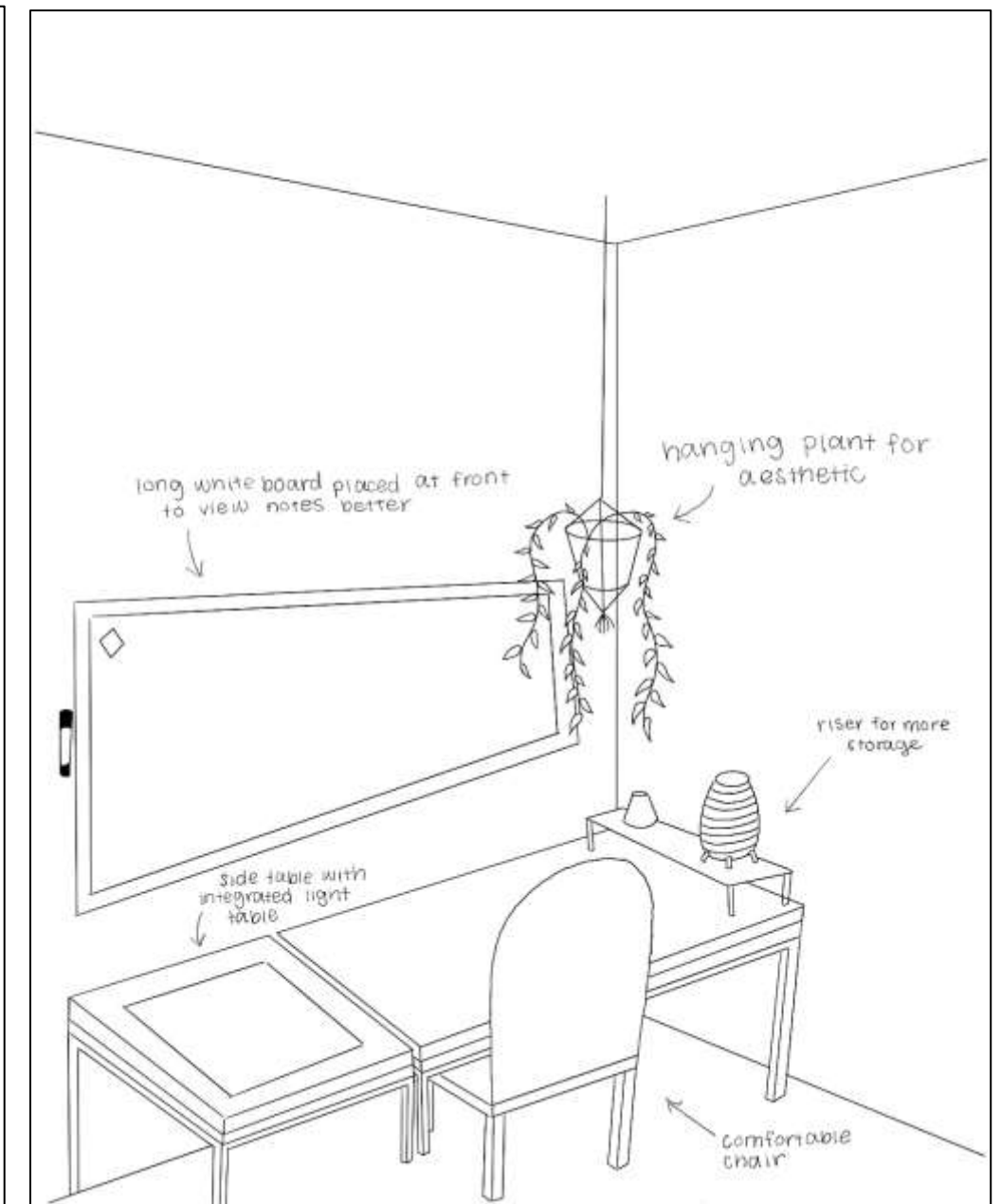
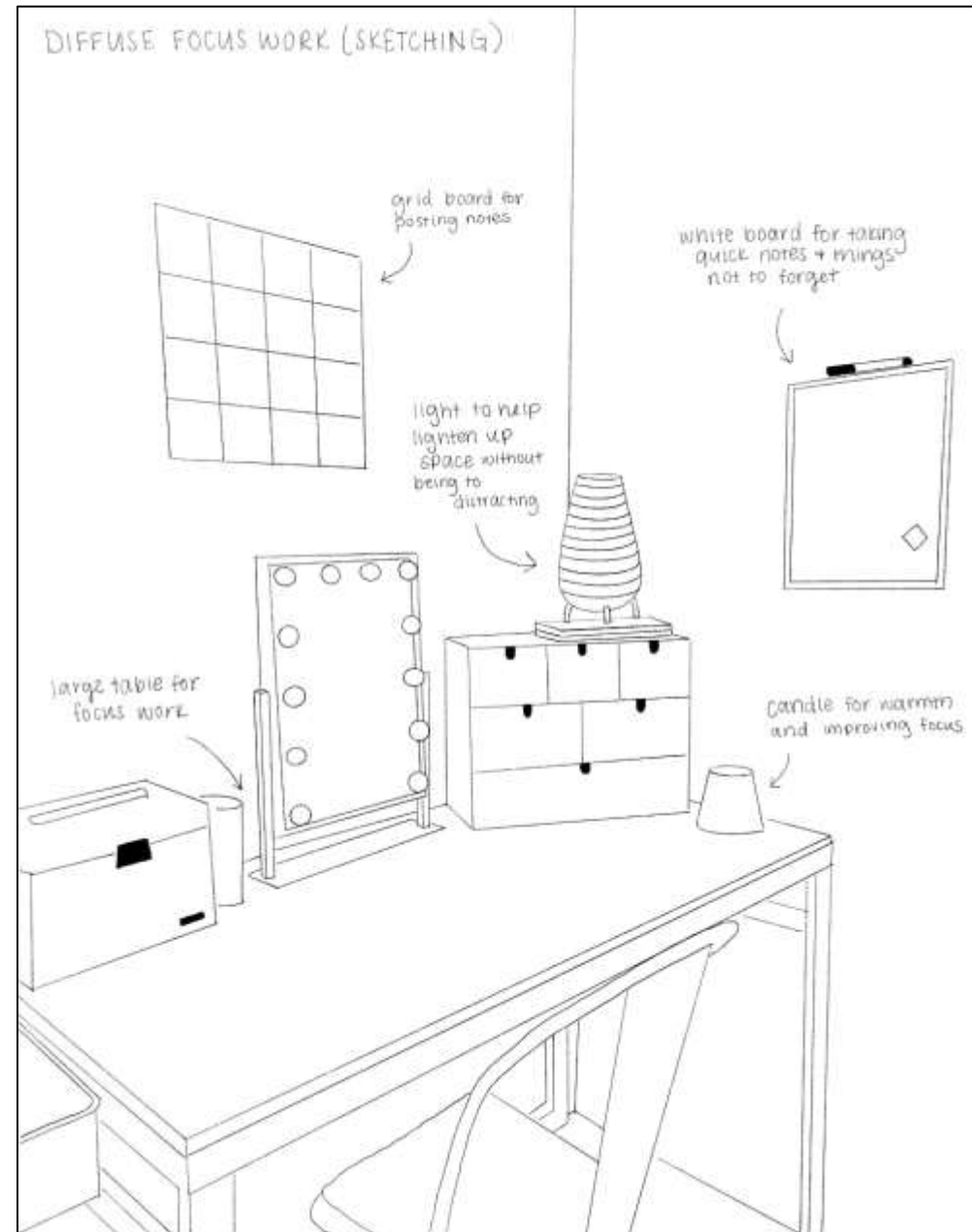
Assignment 4: Client Workflow and Planning

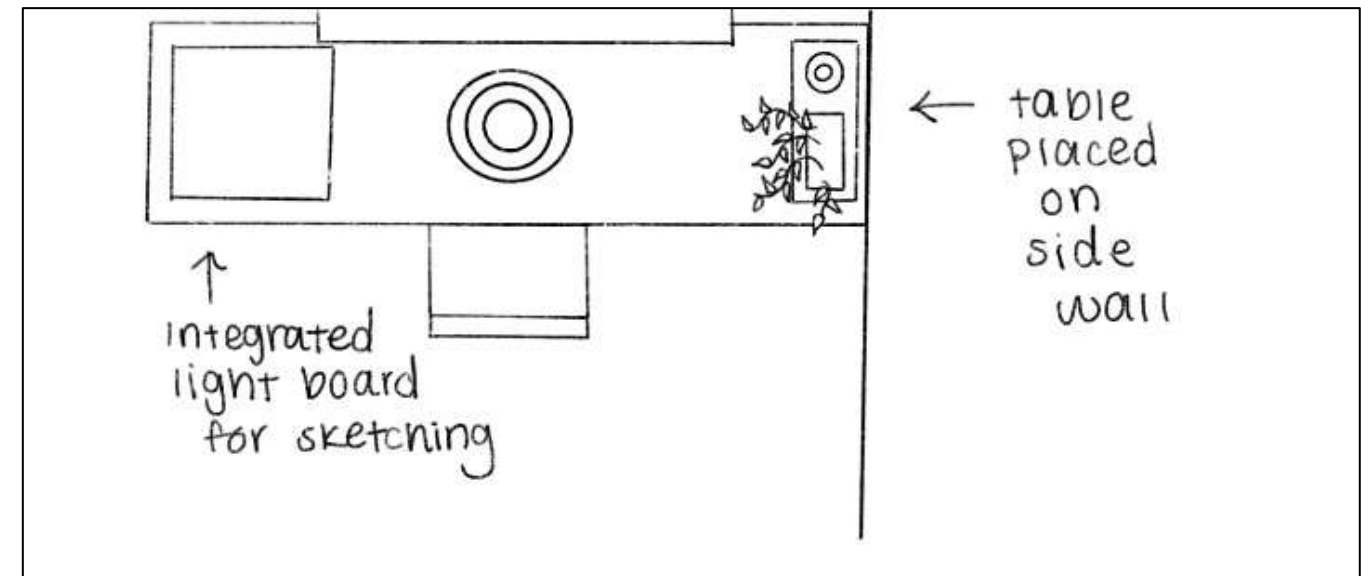
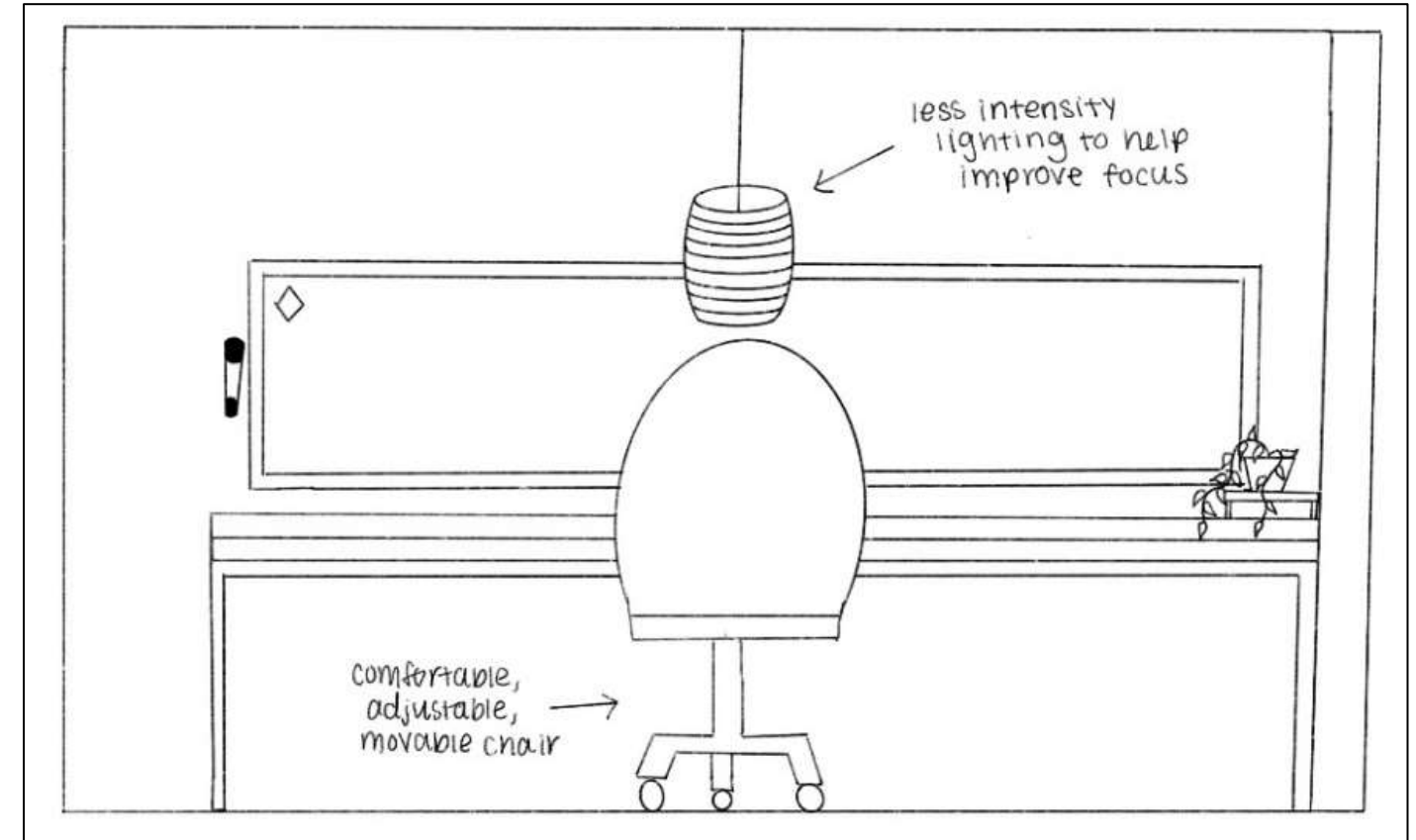
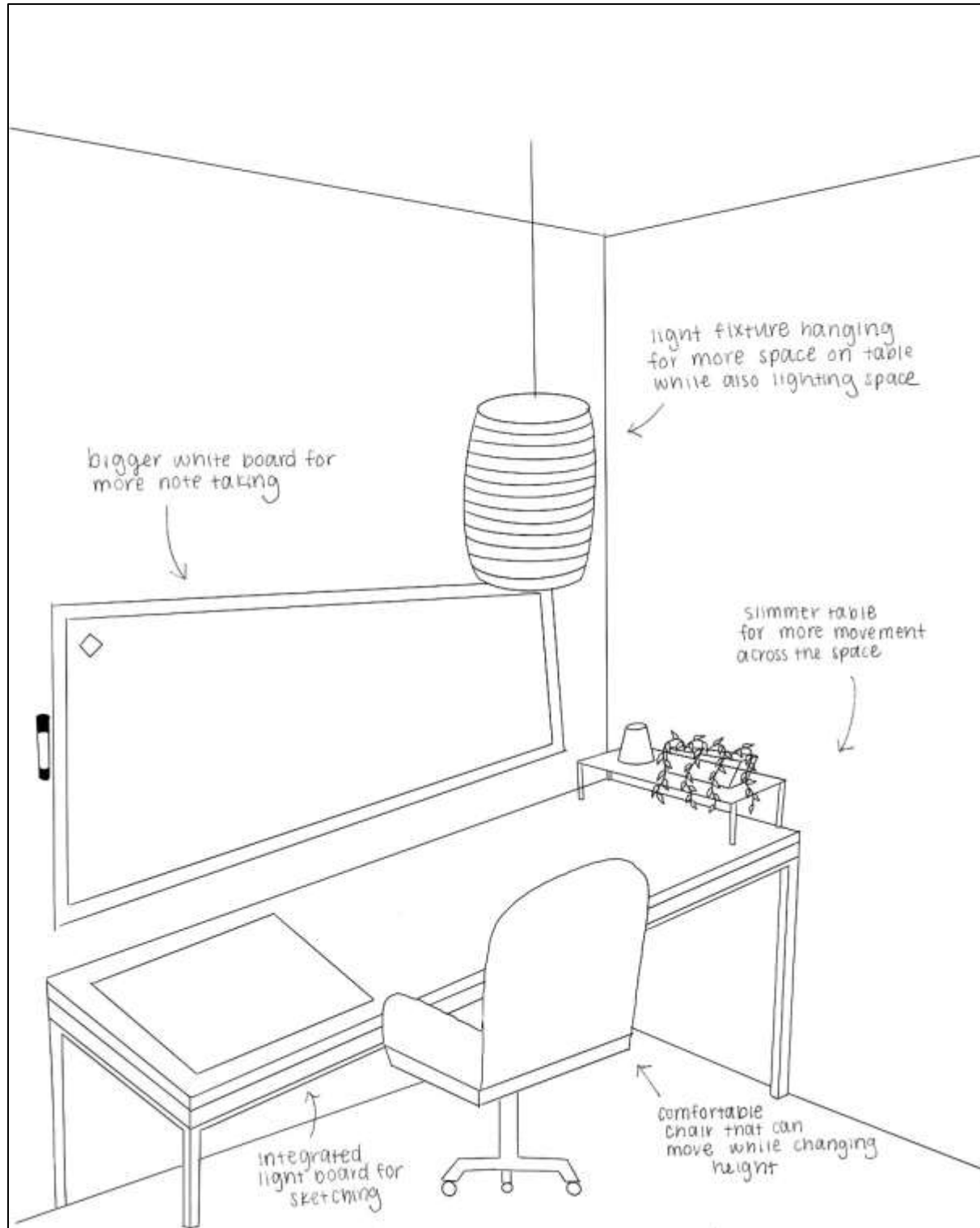
Blocking Diagram

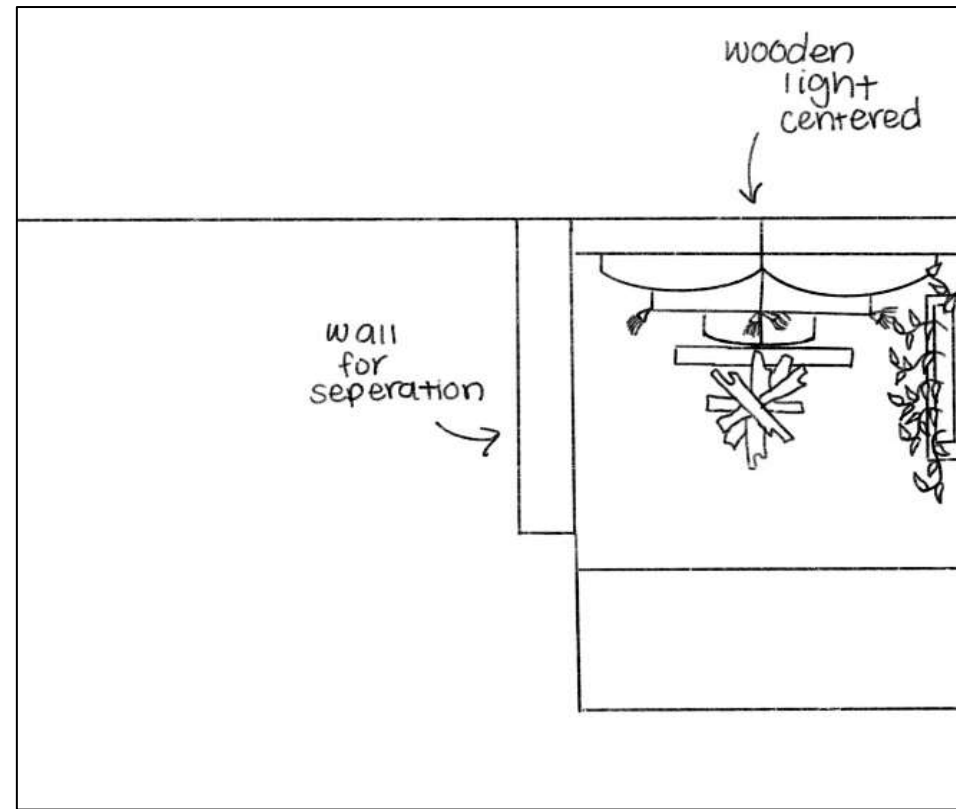
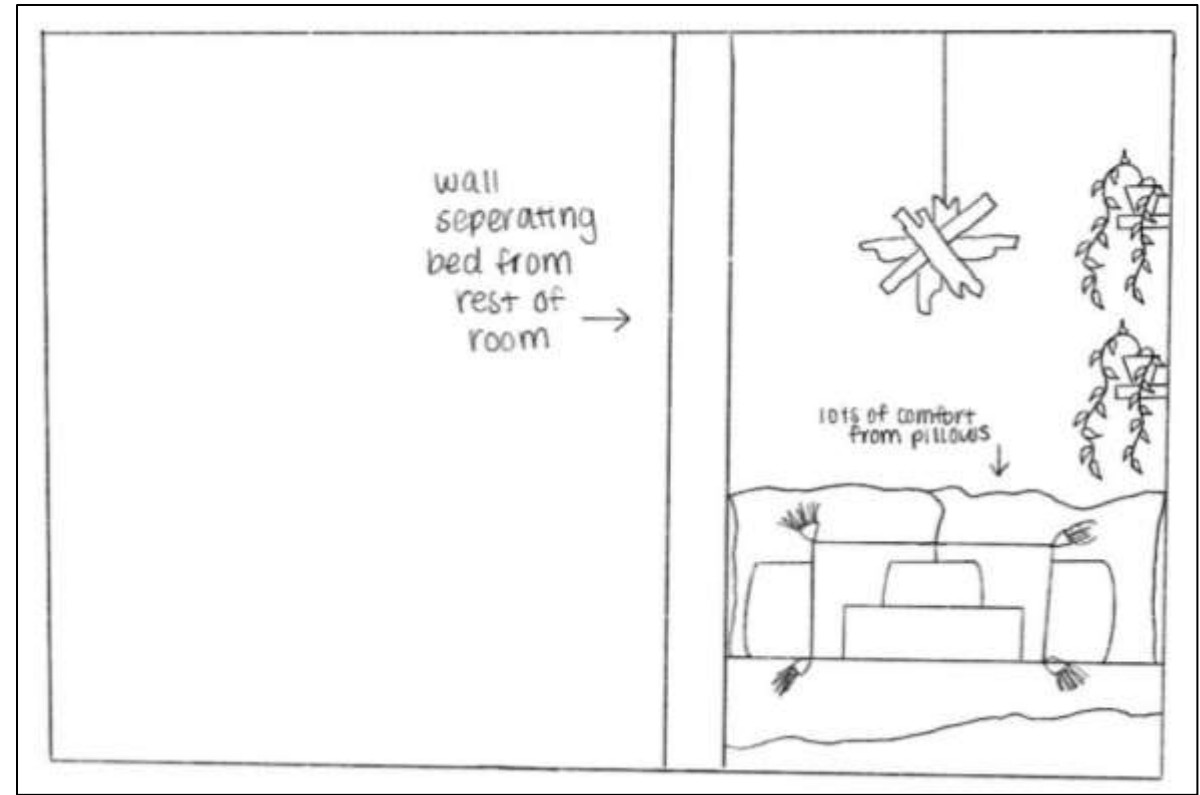
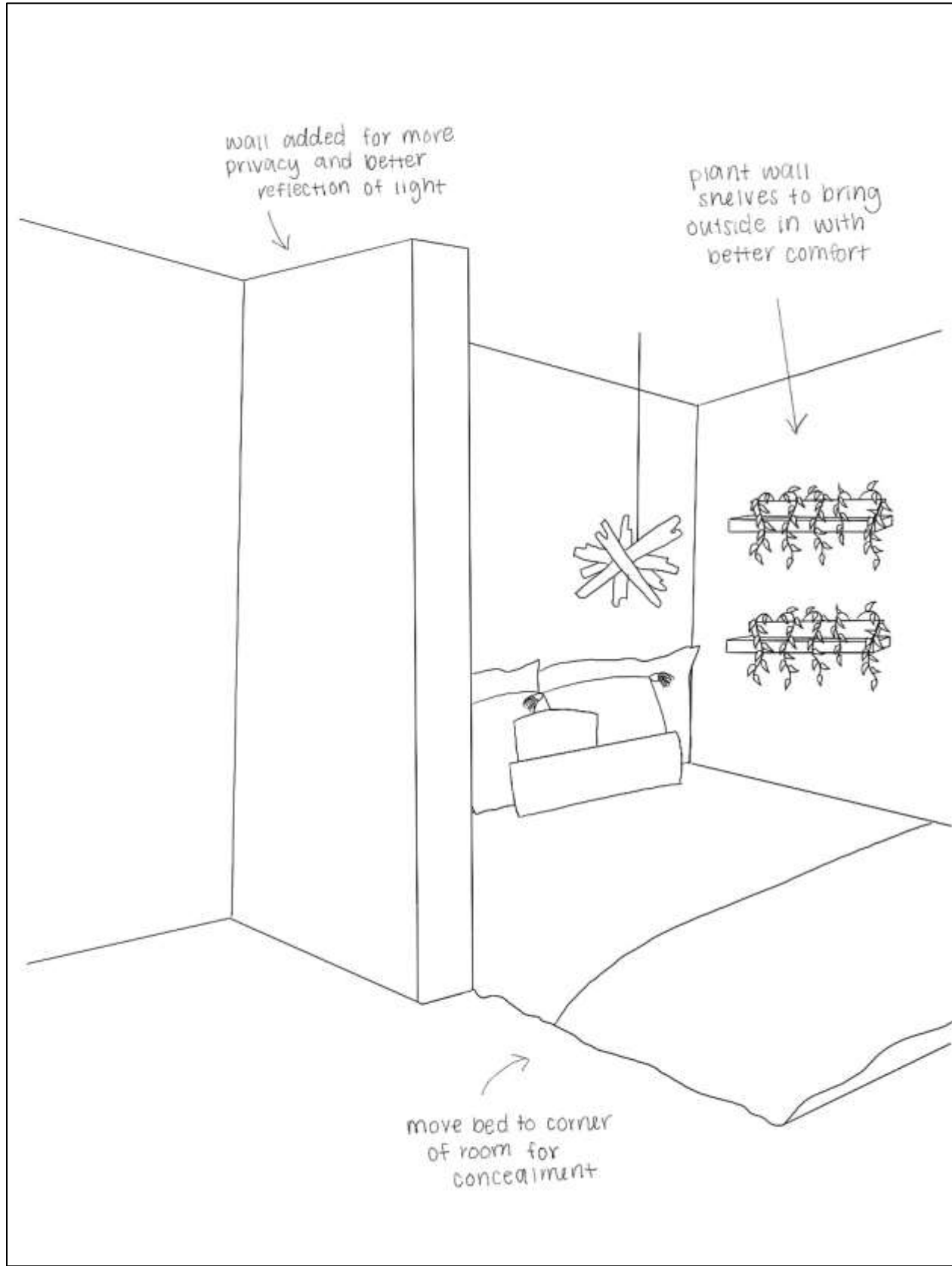


Assignment 5: Activity Space Studies

Diffuse Focus Work (sketching)







Assignment 5: Activity Space Studies

Socializing

