

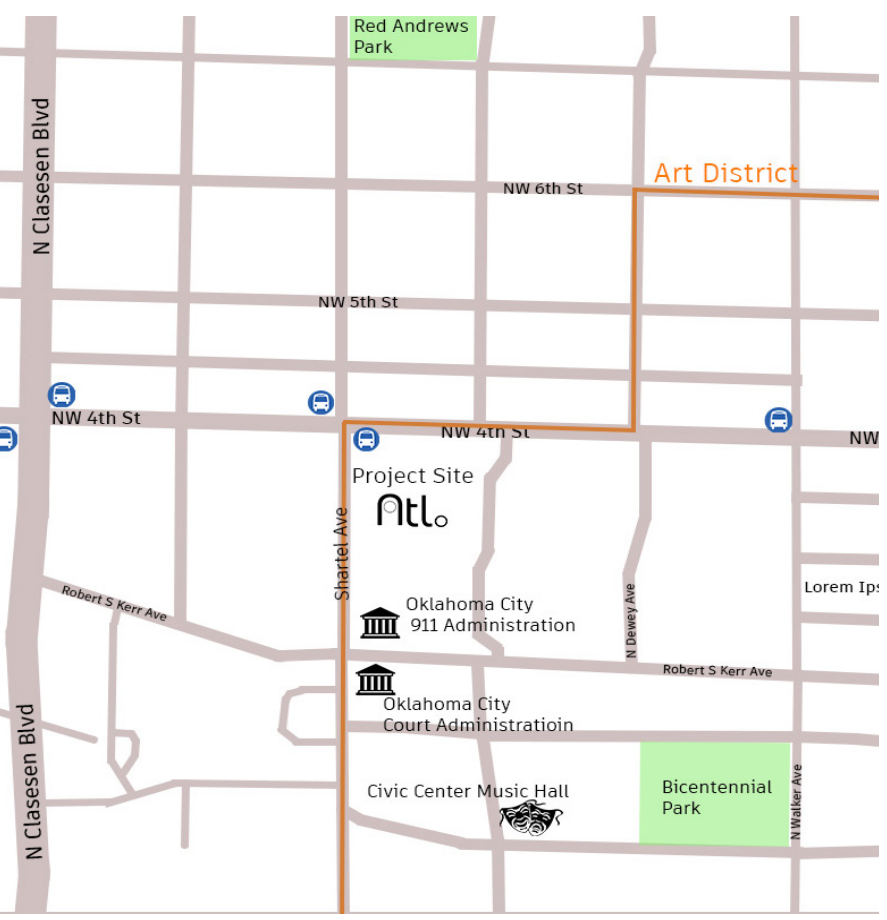
# Atlo

## Concept

This living/working space is designed to unite. **Atlo translates to “weaving” in the Navajo language.** Similar to yarn interlacing to create woven works of art, Atlo is dedicated to **connect Navajo traditions, history, land, and unity within the community and the environment.**

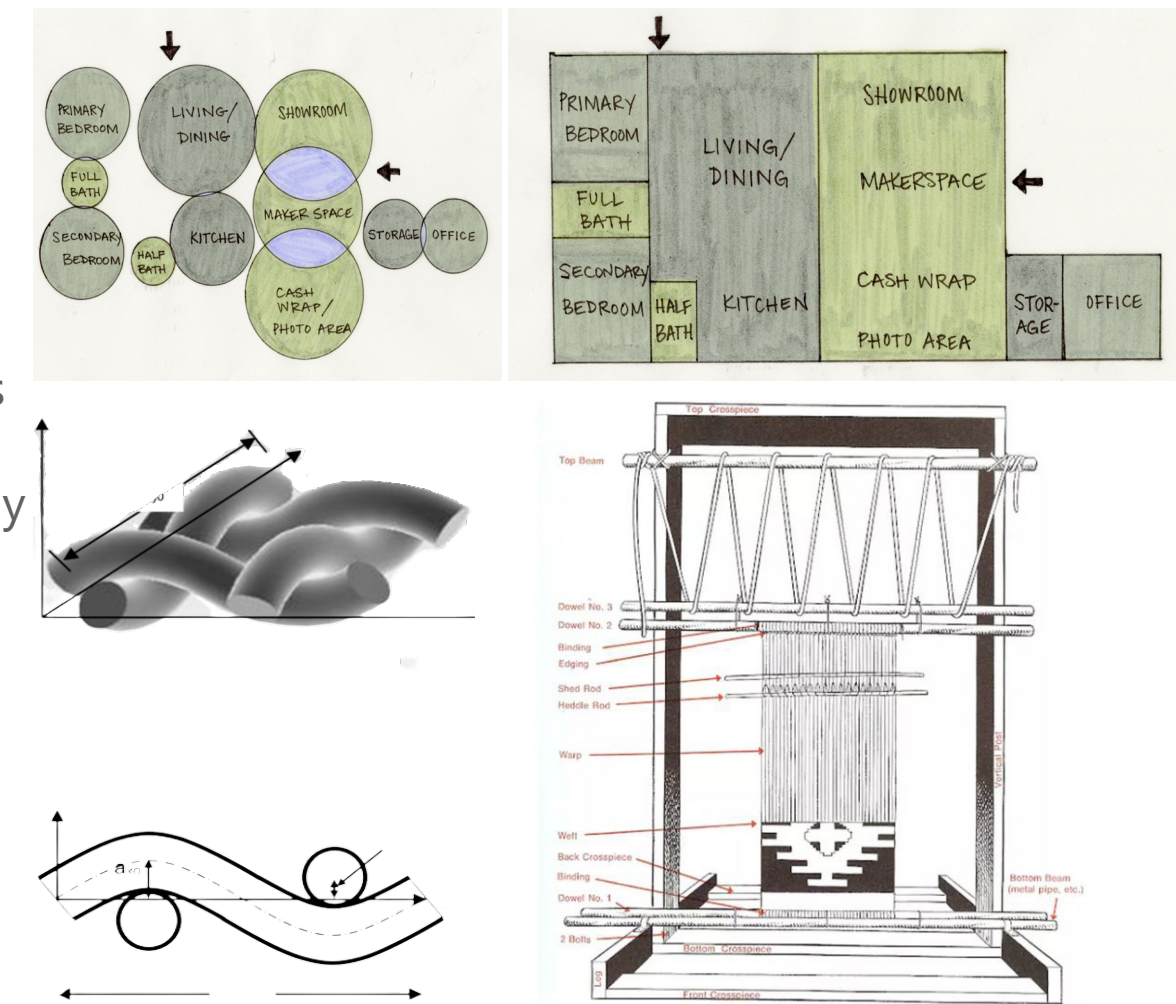
## Location Rationale

The site is located in Oklahoma City's Art District. The city has a diverse population with **13%** of the total population being **indigenous.** The project is located on a site that meets **SLL Prerequisite: smart location option 3.** The site has an existing **ADA-Accessible transit system.** The bus rapid transit stop is ¼ miles from Atlo. This allows ease of access to the community to learn more about Navajo history and textiles. The site location also meets **NPD Prerequisite: connected and open community.** Aside from connecting the community by a means of public transportation, there is surrounding connectivity through the Art district community. This includes restaurants, small businesses, and many museums. Recently the city of Oklahoma opened up the **First Americans Museum.** This is where visitors experience the collective histories of 39 distinctive First American Nations in Oklahoma today. First Americans Museum shares the cultural diversity, history, and contributions of the First Americans.

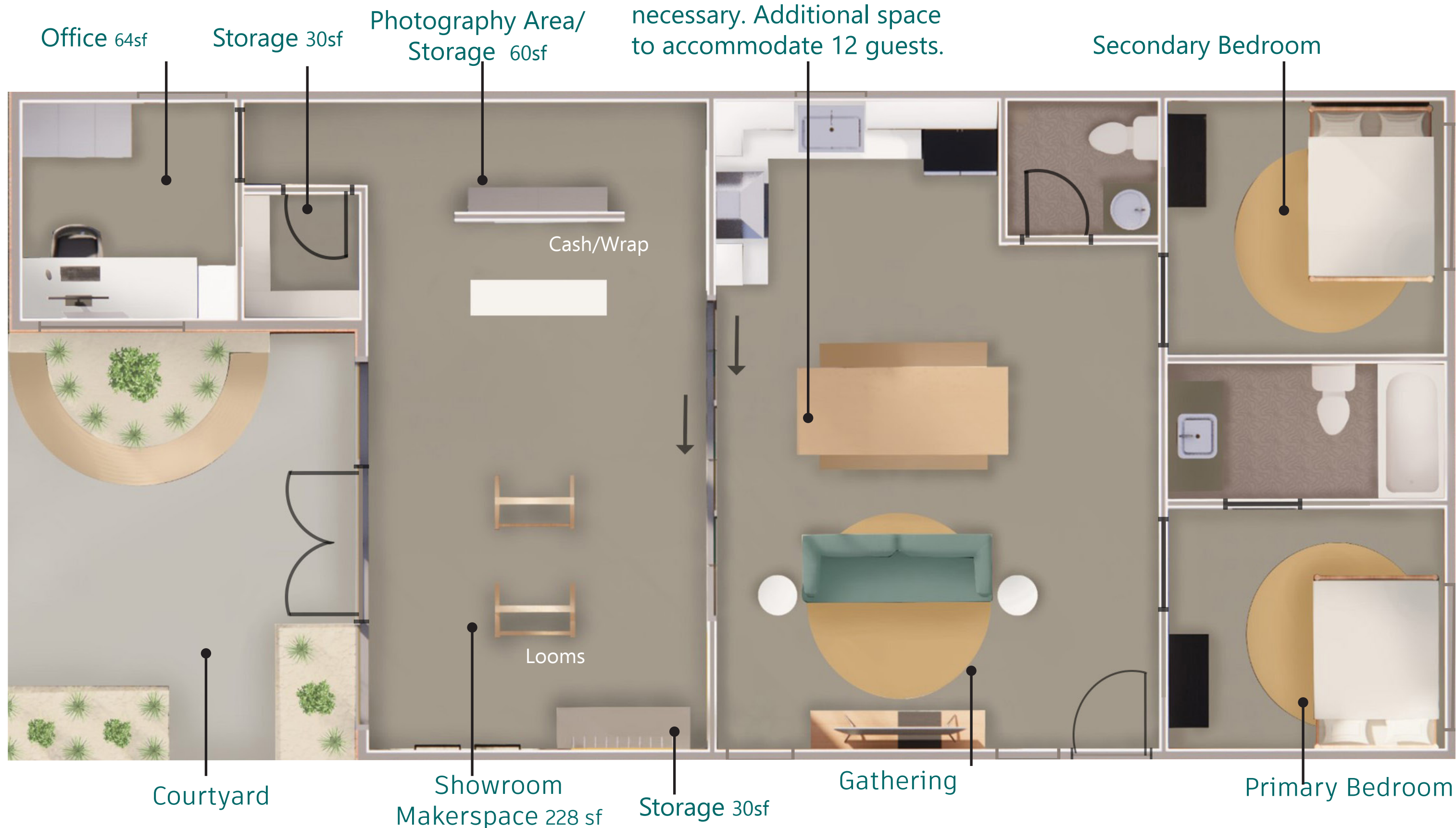


## Process Work

Navajo woven fabrics are produced on looms. Weaving typically requires at least one set of warp yarns that are kept taut on a loom and a means for the filling yarns to interlace with the warp yarns as they move horizontally from one side to the other. Plain weave, also known as a tabby weave, results from the most basic (over one yarn and under one yarn) interlacing of warp and filling yarns. A plain weave is commonly used in Navajo textiles to create their woven art. We were inspired by the curvilinear image of the plain weave to design our logo for ATLO (which translates to weaving in the Navajo language). This idea also reflects the nature of ATLO, as it interlaces their Navajo culture not only within the community but is celebrated through the linear connection of the exterior and interior spaces.



Flex space may be extended into commercial space through sliding doors when necessary. Additional space to accommodate 12 guests.



### Coverings etc Eco-Cem

Applied to floors  
**Content:** 80% Recycled Portland Cement, 20% Recycled Wood Pulp  
**Environmental Benefits:** Free of VOCs. Calcium silicate, silica dioxide and fly ash, used to create Portland cement and the cellulose fiber of wood pulp are all sourced from industrial waste streams.

### Carvart Laminated Glass

Applied to sliding glass door  
 Finish: Varying levels of translucency and finish options available

### Kahrs Group Oak Etch

Applied to doors and ceiling  
**Environmental Benefits:** Low emitting/ Low VOC  
**Certificates & Standards:** CARB2 Compliant, California Environmental Protection Agency Air Resources Board Certified

### Durat Recycled Solid Surface

Applied to both cashiers desk and kitchen counter top.  
**Environmental Benefits:** Durat's Finland manufacturing facility uses 100% renewable electricity  
**Post-Industrial Recycled Content Percentage:** Contains up to 28% post-industrial recycled content  
**Chemical Resistance:** Unaffected by the chemicals listed in the technical documentation. Utilized in hospitality settings.

### Moz Designs Inc Patina 110L

Applied to 5% of exterior structure, commercial entrance  
**Environmental Benefits:** Raw materials are domestically sourced when possible and manufactured at a solar-operated facility in Oakland, California. All aluminum products contain 21.5% post-industrial recycled content.  
**Certificates & Standards:** Health Product Declaration. LEED: MR Credit 4 Recycled Content  
**Post-Industrial Recycled Content Percentage:** Typical content of around 21.5%

### Fireclay Tile

Applied to the accent wall / commercial  
**Environmental Benefits:** This product ships carbon neutral. Product is lead free, low emitting, and contains recycled content.  
**Certificates & Standards:** Environmental Product Declaration (EPD), Health Product Declaration (HPD), LEED Compliant  
 LEED: LEED Credit Eligible.  
**Post-Consumer Recycled Content Percentage:** 40%  
**Post-Industrial Recycled Content Percentage:** 10%

## Conceptual Framework

Biophilia is the inherent human instinct to make connections with nature. Affiliation with the natural environment has a critical impact on a human's mental health and wellbeing. The biophilic design theory supports overall cognitive function and psychological health by "bringing the outdoors inside". This is **accomplished by using natural and sustainable materials, incorporating greenery, maximizing natural light** and having an **exterior courtyard.** The Navajo community has a **deep spiritual affiliation with land and nature.** The environment is viewed as a provider or parent, and the tribe considers it as a source of knowledge and a tool to fulfill their needs. As Covid-19 has limited social interactions, feelings of isolation have taken a toll on many people's mental health. However, the use of **biophilic design is beneficial in maintaining a healthy lifestyle and positive mindset during a time of uncertainty.**

## Material Rationale

Materials throughout the space were selected to mimic the natural color schemes of the Navajo Nation's desert. We also derived inspiration from fourth-generation weaver Melissa S Cody's work, present in the showroom renderings. The focal point of the commercial space is our colorful laminated glass sliding doors. The colors and pattern for the sliding doors were inspired by Melissa's artistic style. Her work has a unique eclectic contemporary theme, with sharp geometric overlays. When opened, the flex space is created to accommodate 12 guests. Materials within the space were also selected on sustainability and antimicrobial properties. Sustainable materials create a healthier environment not only for the residents and shoppers but also for the planet. Antimicrobial surfaces can stop the spread of germs, and can be wiped down efficiently.



## Section Through the Commercial and Residential

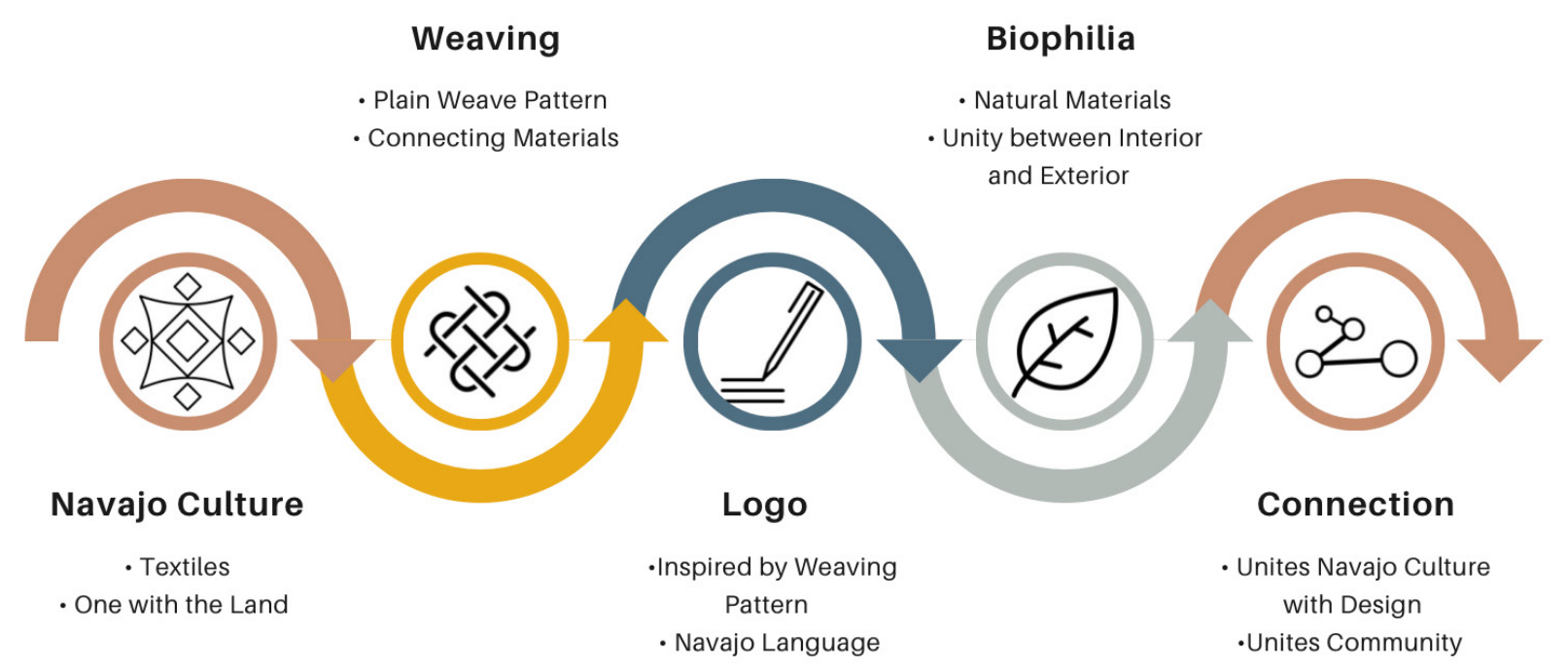


Ch'il Bilata dee'ni'ni  
Needle and Threadgrass

## Store Courtyard

An alternate way to connect aside from our internal environment is our exterior courtyard that leads to the commercial entrance. **The courtyard and garden provide another space where ATLO guests and the community can gather at a distance.** Our design emphasizes **social sustainability** by creating this **alternate space for connection not only to people but to the outdoors.** The vegetation in the garden is all **native plants to the Navajo reservation** that also grow in Oklahoma's climate.

# ATLO



Flex Space



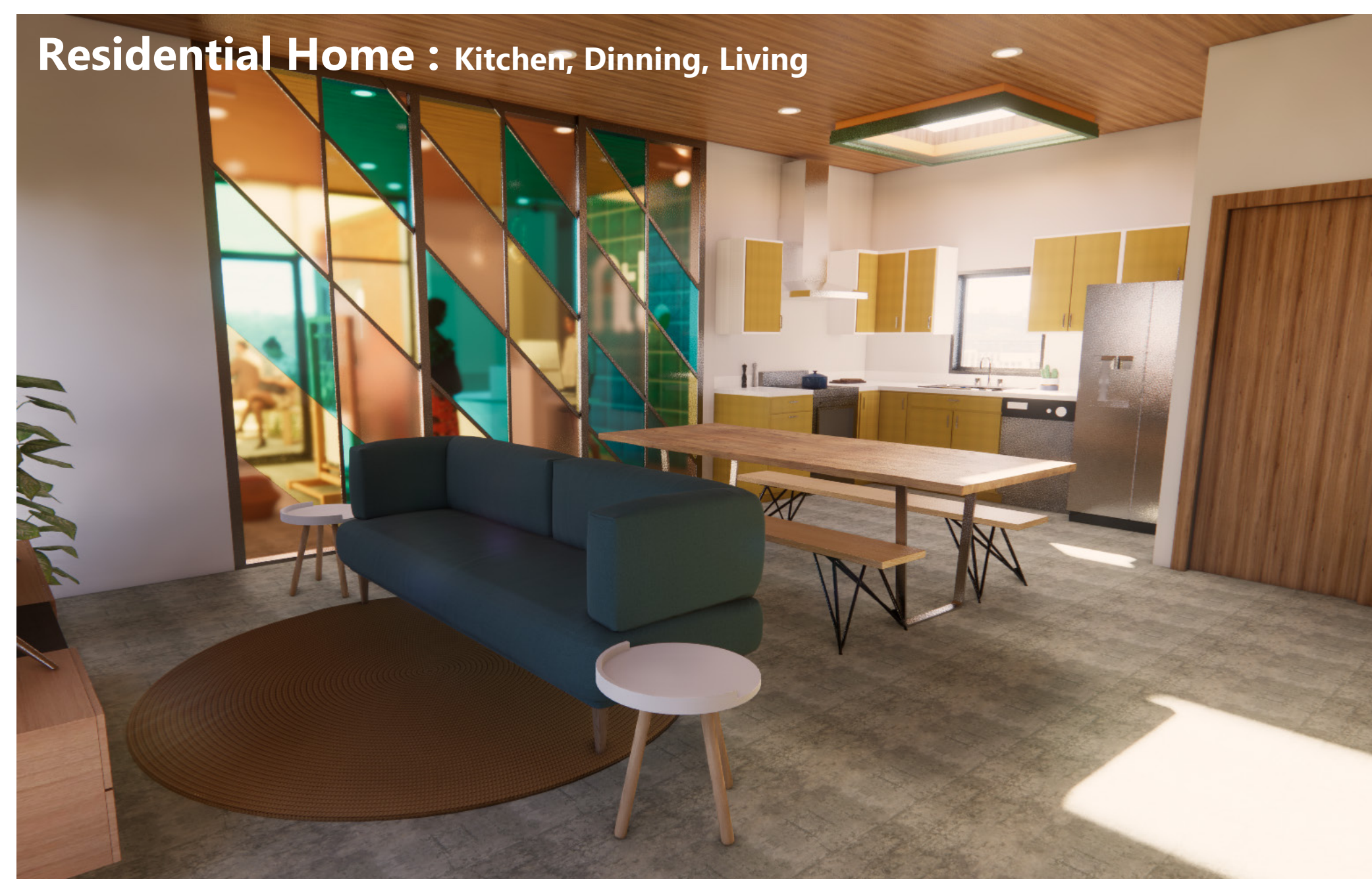
If needed, this large table can be moved into the flex space to allow twelve guests to be able to interact, eat, and move around with ease.

This colorful sliding glass wall creates privacy in the residential space. The design reflects that of one of Melissa Cody's art works with a dynamic pattern and colorful stained glass. When opened, you are granted with a large 'flex' space that allows you, your friends and family to be able to spread out and gather in a comfortable way.

The bench seating gives room for twelve guests to sit comfortably and interact with each other in a friendly matter. Everyone can enjoy the view from the flex space, into the front garden and enjoy one another's company.



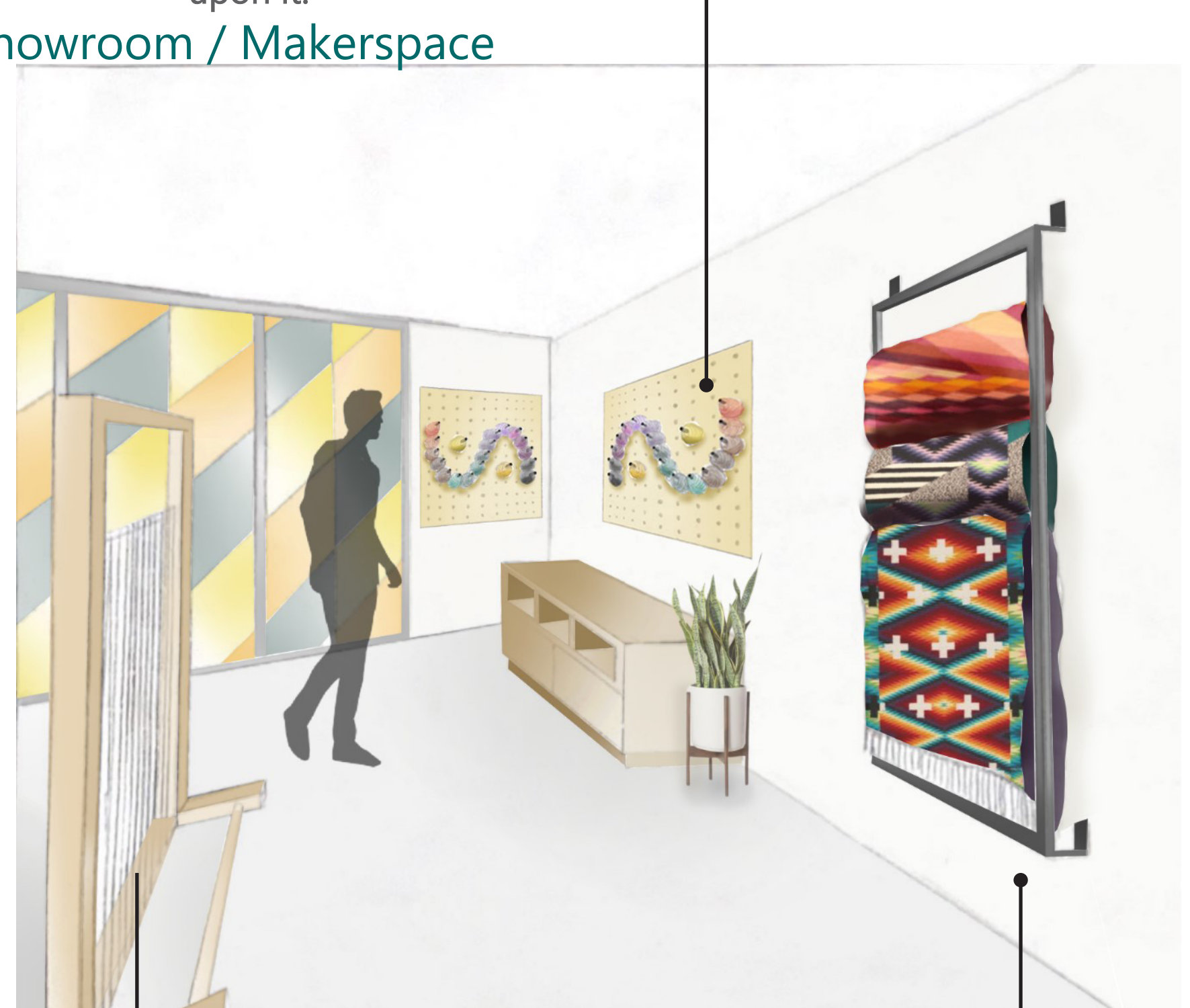
Flex space elevation



Residential Home : Kitchen, Dining, Living

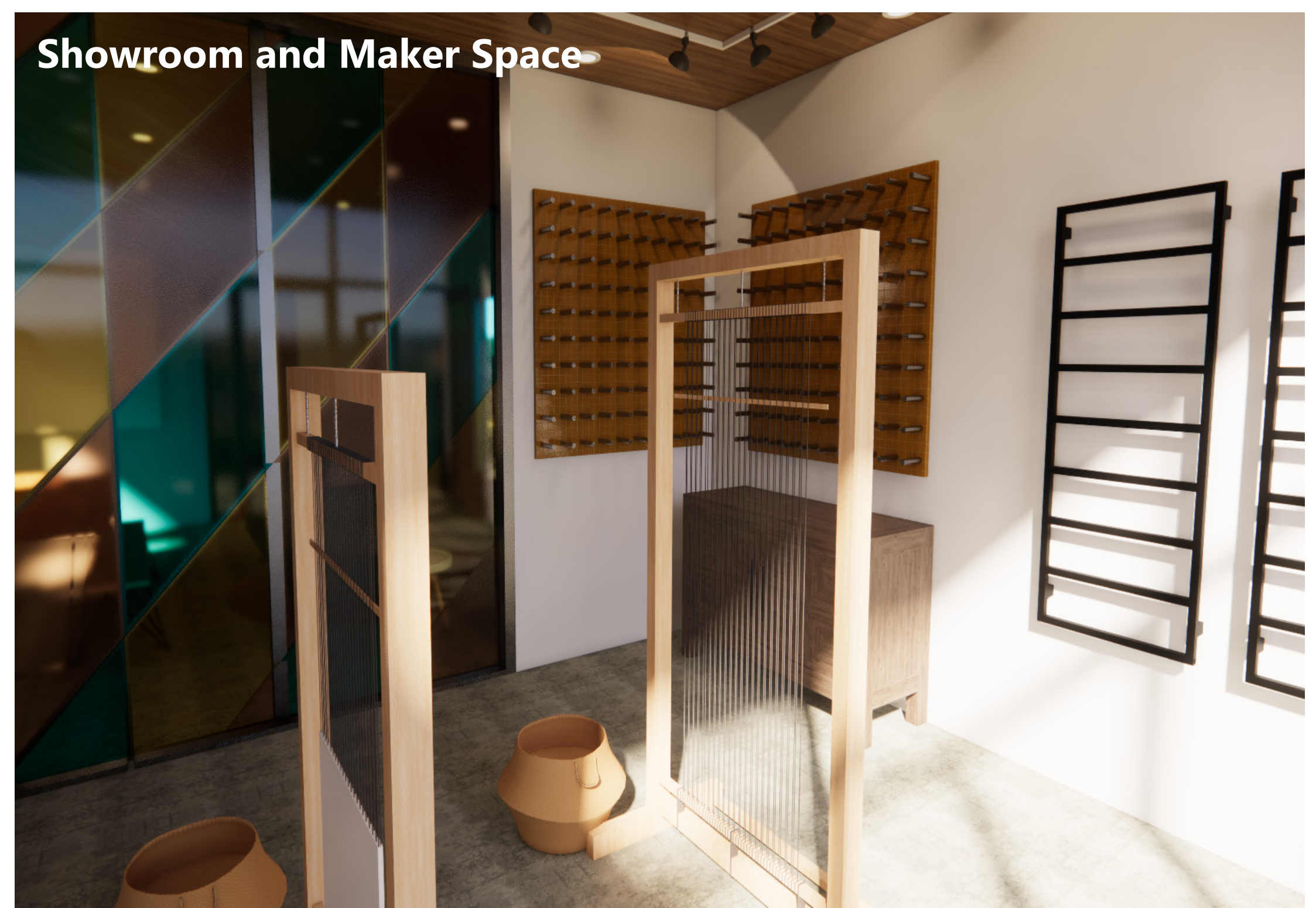
Wrapping these two walls, is a textile storage area for the couple. This metal peg board holds the native spools and creates a juxtaposition between the industrial framework of the shipping containers and the handmade textiles that drape upon it.

## Showroom / Makerspace



Located in the center of the workspace is two looms that the couple uses to create beautiful textiles. We positioned them in the middle of the showroom, in front of the store windows to allow for social distancing while still experiencing the tradition of traditional Navajo loom weaving.

Here is a display of Alto's textiles that customers can experience up close and appreciate the intricate detail that goes into each piece. These exact images that are shown here are from a Navajo Member, Melissa Cody, who balances tradition, history, and contemporaneity forward in her work.



Showroom and Maker Space

## Virus Awareness

**The Navajo Nation along with other indigenous groups has been disproportionately affected during Covid-19.** With Native Americans being 3.5 times more likely to contract Covid-19. This is why the commercial space **emphasizes physical distancing without compromising social connection.** ATLO connects the Navajo culture to the community with safety measures in place. **The location of the looms in the center of the floor help separate the space in order to encourage social distancing.** The open glass storefront provides customers with the option to view the textiles from the courtyard in case the inside reaches capacity. **The courtyard and garden provide another space where ATLO guests and the community can gather at a distance.** Antimicrobial materials are being used more often in design to help control the spread of the coronavirus. **All materials in this project are antimicrobial to prevent any bacteria or virus growth on surfaces.**

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