**SITE RATIONAL**

**CLOSEUP:**
- **Community:** Navajo arts & culture, Arizona Daily Sun, Vortex of Wheeler Park, Accessible to tourists.
- **Amenities:** Accessible to tourists.

**OUTDOORS:**
- Semi-arid, mild weather all-year-round.
- Surrounded by the Navajo Nation and nearby the Native American Pueblo.

**ANALOGY:**
- The warp refers to the threads that run the length of the fabric, forming the longer dimension of the fabric. The weft is the threads that are pulled and inserted separately, usually in a different color, to create a complex pattern across the width of the fabric.
- Three shipping containers represent warps, forming not only the longer dimension but also the outer boundary of the space. The container doors are opened up/expanded to design multipurpose spaces depending on the user’s needs, and to consider available sizes of weaving containers (warps).

**ANALOGY:**
- Then, the spaces within follow the aforementioned analogy and concept of weaving to socially connect the artists, guests, and customers while maintaining their respective and collective spaces. The weaving containers allow for an additional function for future works from other local artists. This interaction fits into our concept of weaving—connecting the local community with the Navajo artist, connecting customers, and the artist through intricate connections.

**PLANNING PROCESS**

**GOALS**

- Community: To create a community space that connects the artists, guests, and tourists.
- Flexibility: To connect working space and living space.
- Sustainability: To connect Navajo and Indigenous culture with people.
- Culture: To connect textile artists and the Navajo Nation.

**SITE:**
- Downtown Flagstaff, AZ, USA 33.03°N, 111.07°W.
- Designated as a weaving community, the site contains a small community center. The Navajo textile artists know the community as a weaving community, where they also share their weaving tools with each other and have their doors on the opposite side, but are designed to share the supply and drain plumbing with other important spaces. By doing so, the spaces within follow the aforementioned analogy and concept of weaving to socially connect the artists, guests, and customers while maintaining their respective and collective spaces. The weaving containers allow for an additional function for future works from other local artists. This interaction fits into our concept of weaving—connecting the local community with the Navajo artist, connecting customers, and the artist through intricate connections.

**DESIGN RATIONAL:**
- The quality of a completed textile is dependent on the structure of the weave. Weaving requires the need to look beyond the surface appearance during the process of designing.

**FACILITIES:**
- Designed to accommodate the weaving community, the site contains a small community center. The Navajo textile artists know the community as a weaving community, where they also share their weaving tools with each other and have their doors on the opposite side, but are designed to share the supply and drain plumbing with other important spaces. By doing so, the spaces within follow the aforementioned analogy and concept of weaving to socially connect the artists, guests, and customers while maintaining their respective and collective spaces. The weaving containers allow for an additional function for future works from other local artists. This interaction fits into our concept of weaving—connecting the local community with the Navajo artist, connecting customers, and the artist through intricate connections.

**PLANNING PROCESS**

**GATHERING SPACE**
- Master bedroom and guest bedroom are directly connected to the gathering area.
- The off-white color and window treatments allow the space to be inviting and functional, as well as to create a sense of connection to the outdoors.

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POST PANDEMIC DESIGN SOLUTIONS

FLEXIBLE LAYOUT
Instead of making permanent changes, allow for things to be easily modified when consumer demand moves in different directions.

CIRCULATION CONTROL
Reconfiguring corridors for different user groups, creating one-way access to minimize encounters, and providing users with easy-to-control circulation, if necessary.

AVOIDING OPEN FLOORPLAN
Instead of a collective living arrangement, create a cluster of isolated zones with clearer boundaries between spaces.

BIPHILIC CONTENTS
Incorporating biophilic contents using natural elements in residential areas as people spend much more time in indoor spaces than ever before.

MATERIALS
Materials with smooth surfaces such as stainless steel or plastic are safer since the virus survives less than three days on materials with porous surfaces such as paper, clothing, and wood.

SUN STUDY
As illustrated in the diagram, our team found out that most of the South-facing spaces efficiently utilize daylight (nearly 100% of daylight across these spaces), although North-facing spaces are less efficient in bringing in daylight. Based on this result, our team recommended a commercial space with showcases, masterpieces, and offices where users spend most of the daytime in areas that efficiently bring in daylight. As areas that are less efficient in bringing in daylight, users tend to design a living space where users spend most of their night time after work.

RESEARCH
HOGAN
The Hogan is a Navajo traditional dwelling characterized by several design aspects and underlying philosophy. Traditional Hogan is a circular, dome-shaped structure with a single opening on the roof for ventilation.

MATERIALS AND FURNITURE
WOOD
- Light Wood
- Dark Wood
- Plywood
- Wood Veneer

CUSHION & UPHOLSTERED FABRIC
- Faux Leather
- Upholstered
- Microfiber

RESEARCH
HOUSING
The Hogan is a Navajo traditional dwelling characterized by several design aspects and underlying philosophy. Traditional Hogan is a circular, dome-shaped structure with a single opening on the roof for ventilation.

MATERIALS AND FURNITURE
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REFERENCES

COMMERCIAL SPACE RENDERED PERSPECTIVES

SUN STORAGE
- Efficiently save space and accommodate large party gatherings.

ELEVATIONS

NORTH ELEVATION

WEST ELEVATION EAST ELEVATION

SOUTH ELEVATION

REFLECTED CEILING PLAN

SECTIONS

Office

Showcase

Materials