

Anna Liisa

**CHESHIRE**  
Architectural  
**PORTFOLIO**

2023 ————— 2026

The University of Arizona

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Studio E, Semester 4, Spring 2025  
Instructor Laura Carr

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Studio B, Semester 1, Fall 2023  
Instructor Brendan Sullivan Shea

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Studio D - Semester 3, Fall 2024  
Instructor Kenny Wong

### Project 04 | McBride Place

Contract Documents, Semester 4, Spring 2025  
Instructor Savannah McDonald

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## Night Sky Hotel

Centering Navajo Astronomy and standing as a representation of important Navajo constellations in its form, this design seeks to represent and honor Navajo Sky Knowledge. It provides space for contemplation, learning, and connection to the night sky.

**Client goal:** provide meaningful community space for residents of Tuba City while encouraging tourism.

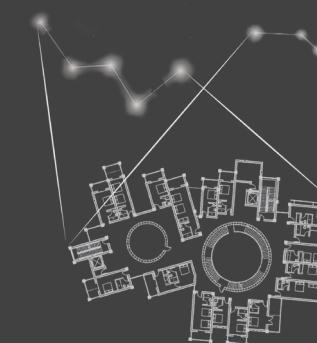
**Strategy:** This hotel provides space for both community members and visitors to explore the night sky. The sky tunnel is a dynamic space that pulls visitors through the building from the ground floor to the roof. The roof functions as the sky viewing zone complete with sky viewing chairs and telescopes. By bringing people through the building without staying at the hotel, this intentional positioning encourages Tuba City residents to view the hotel as part of the community, not exclusive to visitors.

**Client Goal:** culturally relevant architecture.

**Strategy:** This hotel's design honors Navajo Astronomy. The orientation of the building is the result of projecting the Big Dipper and Cassiopeia onto the earth and rotating them around a circular form that represents the North Star. In Navajo astronomy these three constellations are important and represent the Mother (Cassiopeia), Father (Big Dipper) and Central Fire (North Star).

**Client Goal:** provide an elegant hotel that visually responds to and feels a part of Tuba City.

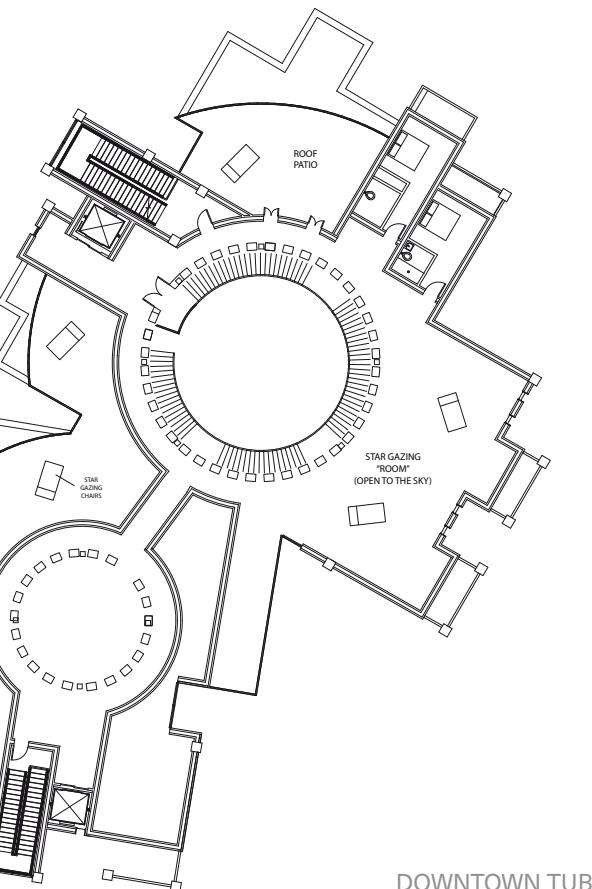
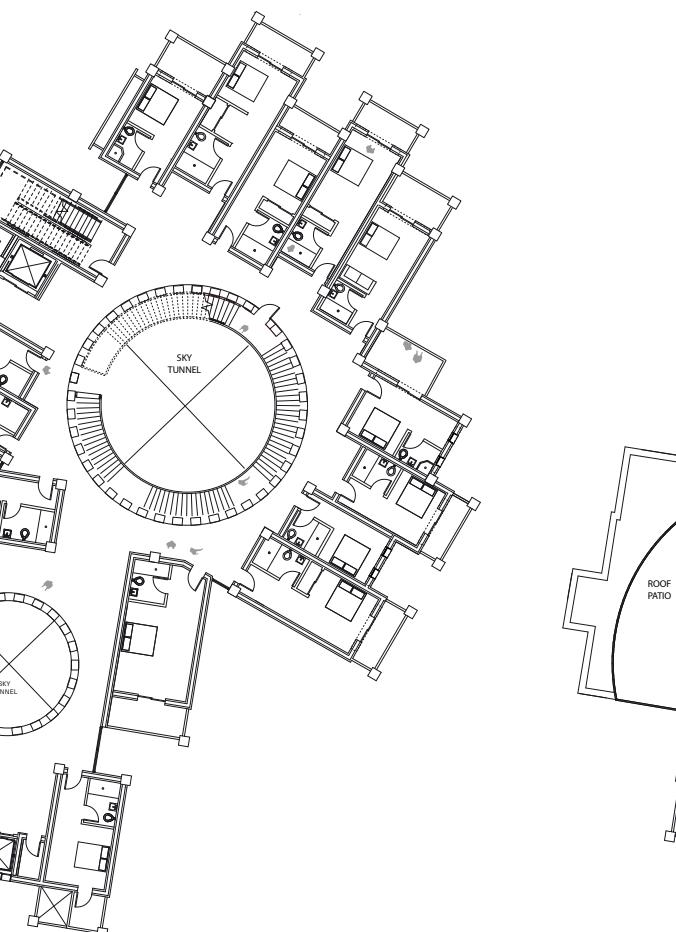
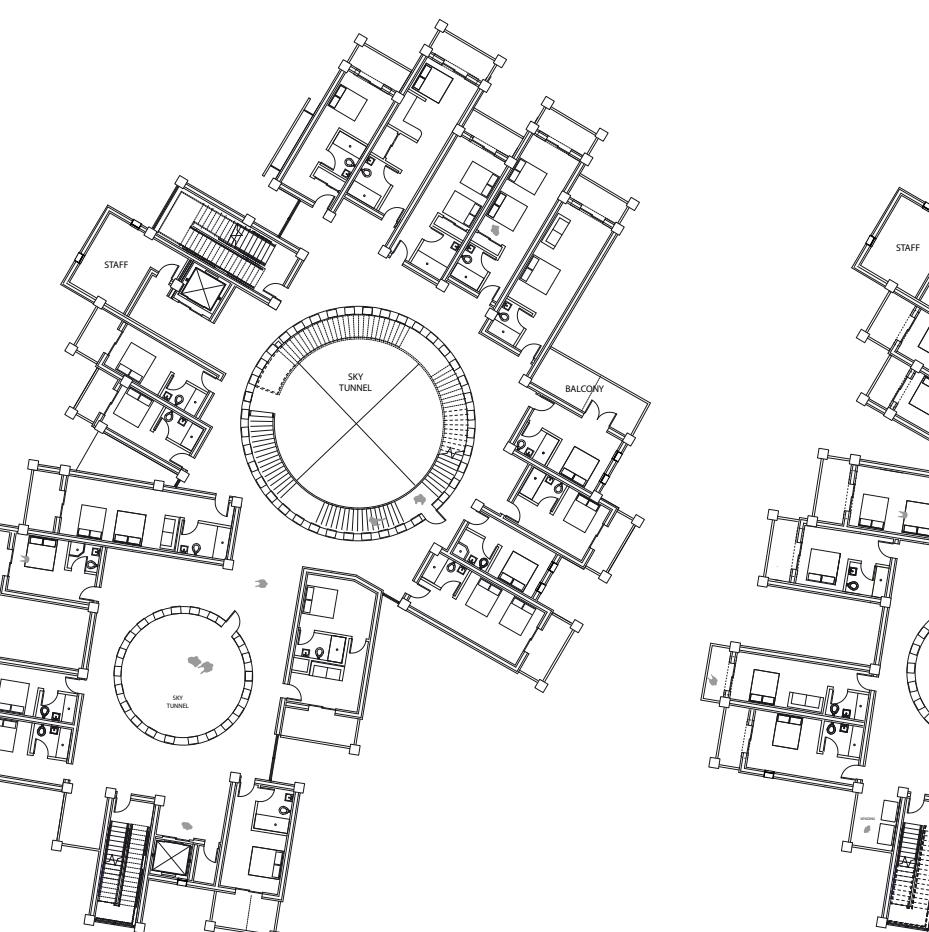
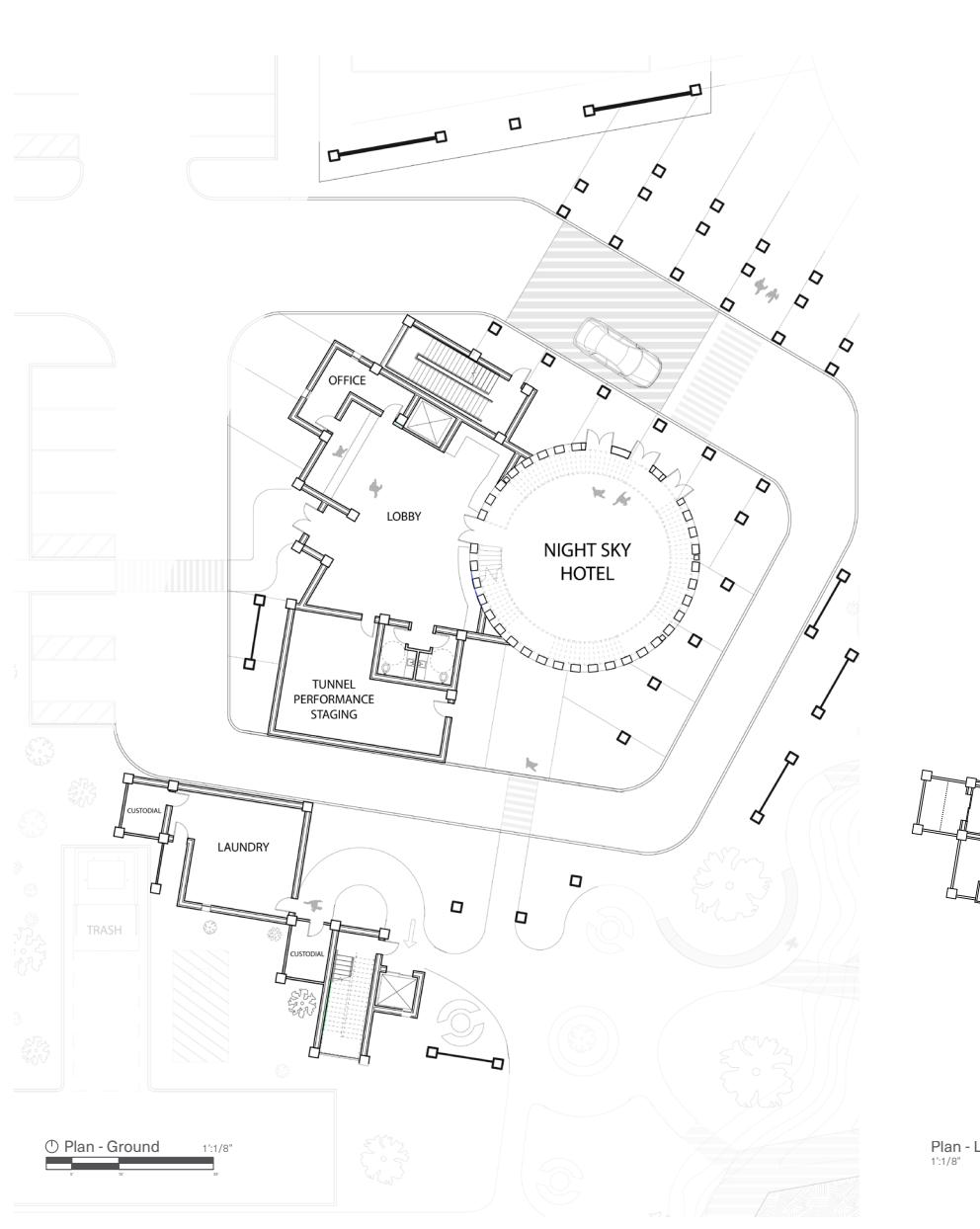
**Strategy:** The materials of this hotel draw inspiration from the colors of the natural landscape of Tuba City and from the existing built environment. The Compressed Earth Block will be the colors of the stratigraphy, rock formations and earth of Tuba City. The wooden facade and shutters are inspired by Navajo Shaded Structures.



Star Projection  
Orientation and Form Generation

The orientation of the Night Sky Hotel was inspired by Navajo Astronomy where man-Náhook-s Bi'k' (Big Dipper), and woman-Náhookós Bi'ád (Cassiopeia), revolve around the central fire- Náhookós Bi'k' (North Star). By projecting these constellations onto the site and rotating their forms around a central point, the orientation and form of the building was generated.

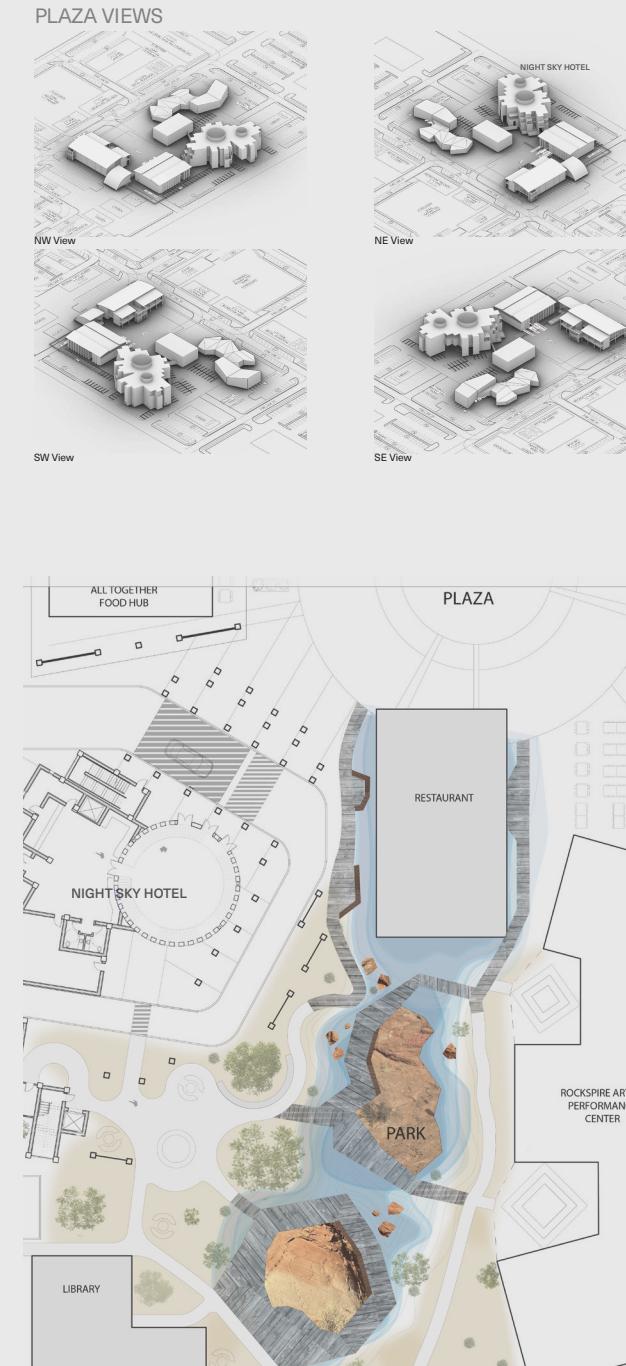




DOWNTOWN TUBA CITY  
DEVELOPMENT PLAN  
(Right)

Plaza development studio  
collaboration with:  
Katlin Mousset Food Hub  
Sam Geoke Shopping Center  
Alondra Azurdia Performing Arts Hub

Park plan co-designed with  
Alondra Azurdia.  
Park drawing by author.



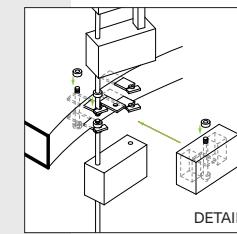
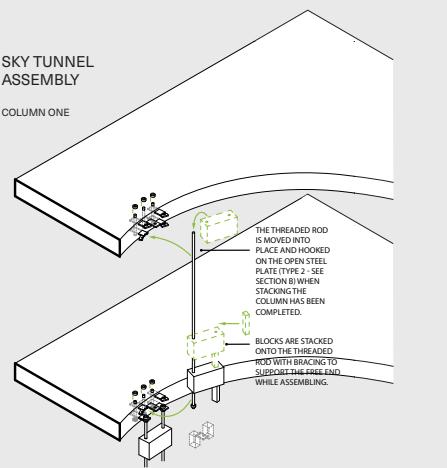
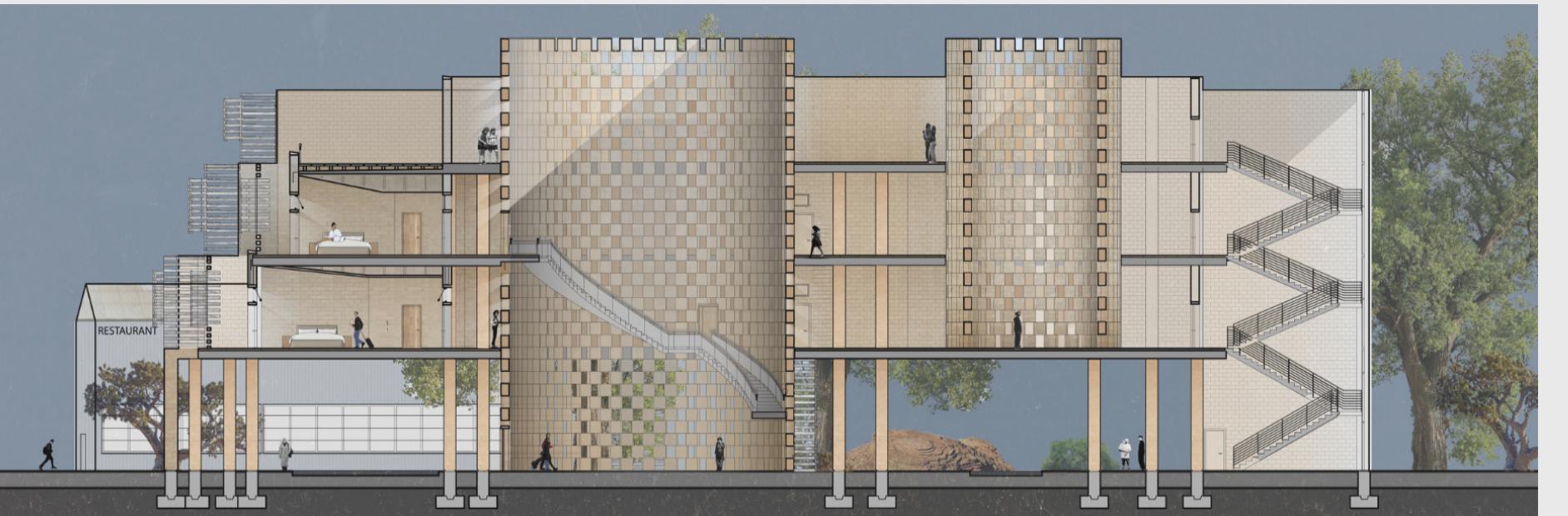
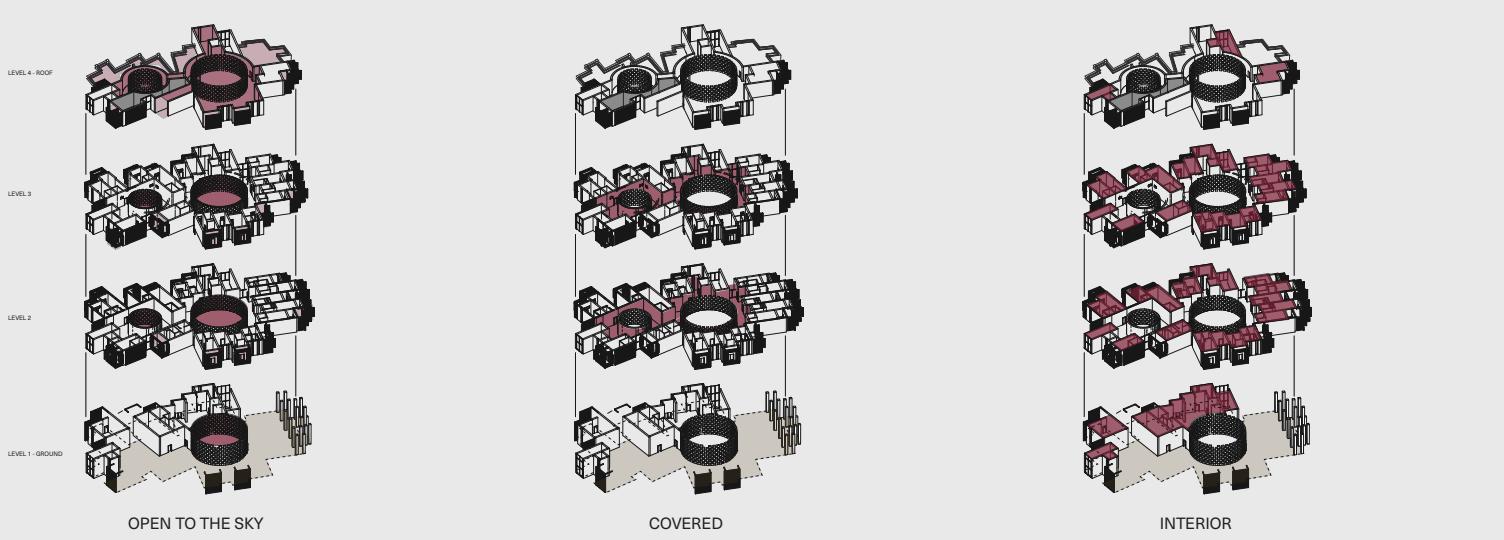
### INTERIOR/ EXTERIOR CONDITION

This project considers gradients of enclosure and conditioning.

The circular "Sky Tunnels" + rooftop sky viewing areas are open to the sky.

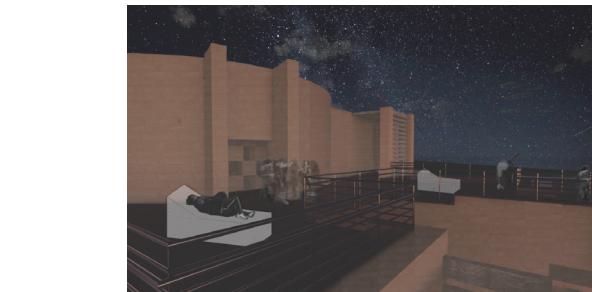
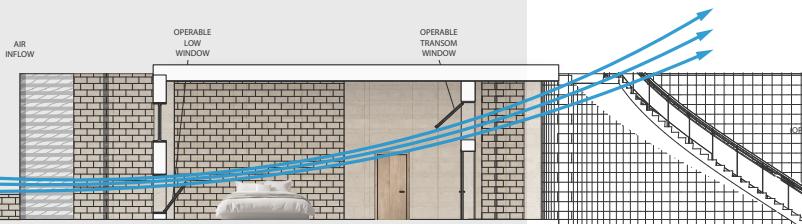
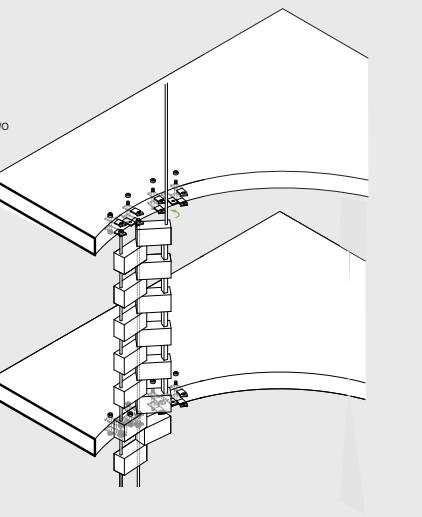
Circulation hallways are covered, unenclosed, unconditioned spaces.

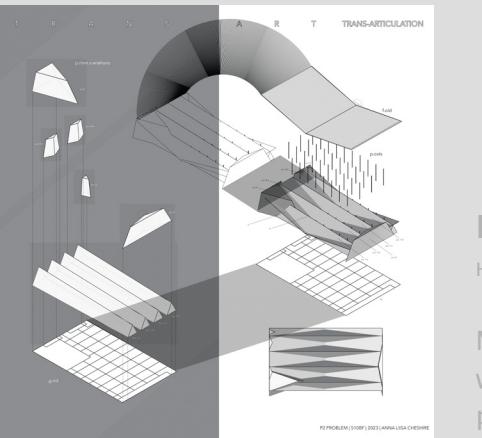
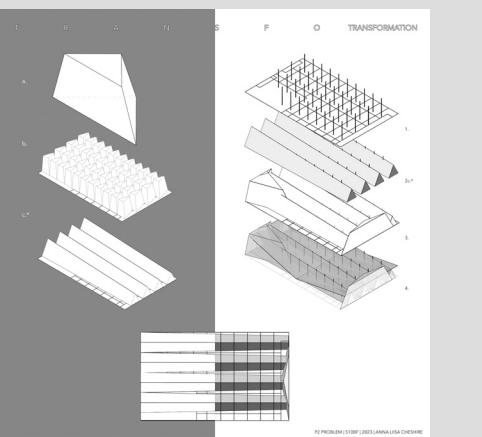
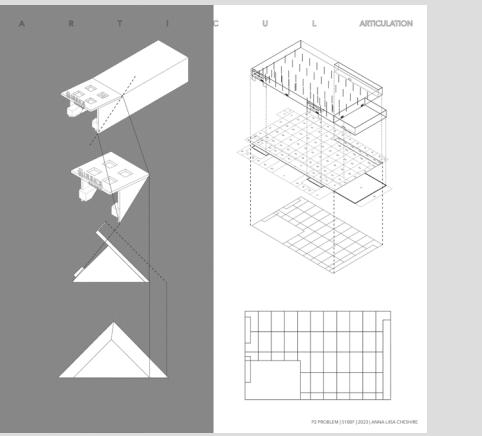
Interior rooms are enclosed and utilize cooling and heating strategies.



### SKY TUNNEL

The "Sky Tunnel" assembly details compressed earth block and steel threaded rod + plate construction. (left)

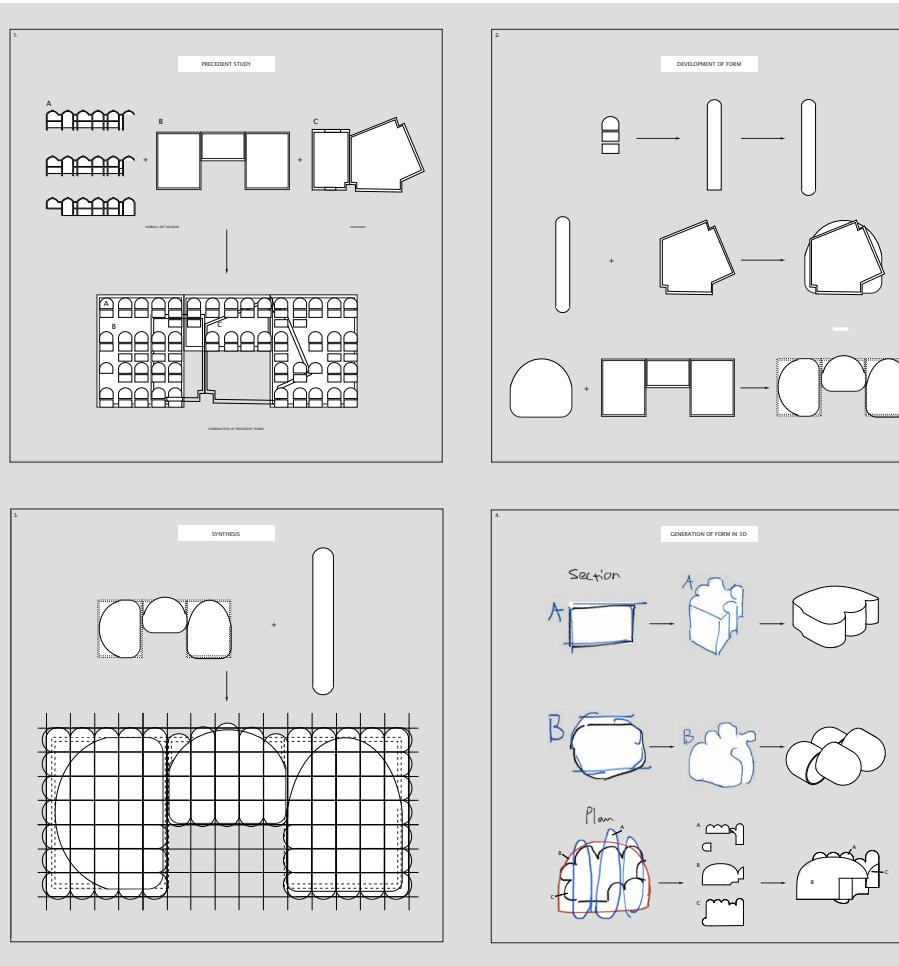
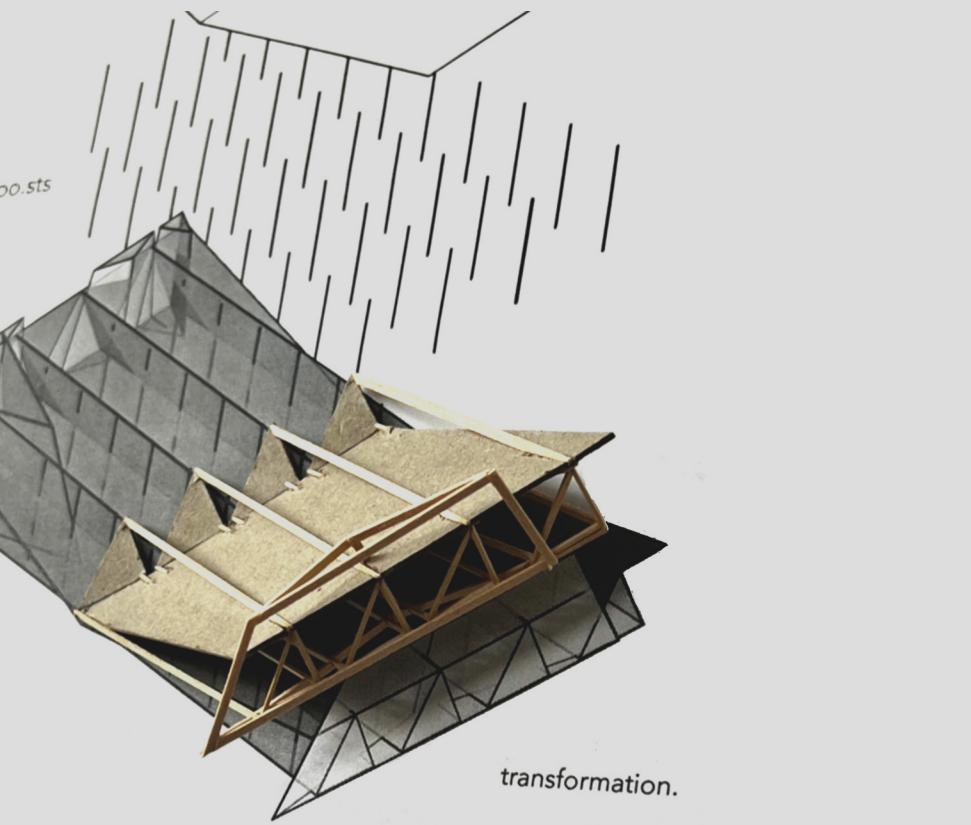




## Intro to Generation of Form

Home Depot + Hirsh's Shoes, Tucson

Model constructed as a "Paste In" where 3D form extrudes off of the printed page.



## Generation of Form

### Precedent Study

Kimbell Art Museum.

Fort Worth, Texas.

Louis Kahn

+

Xchange Apartments.

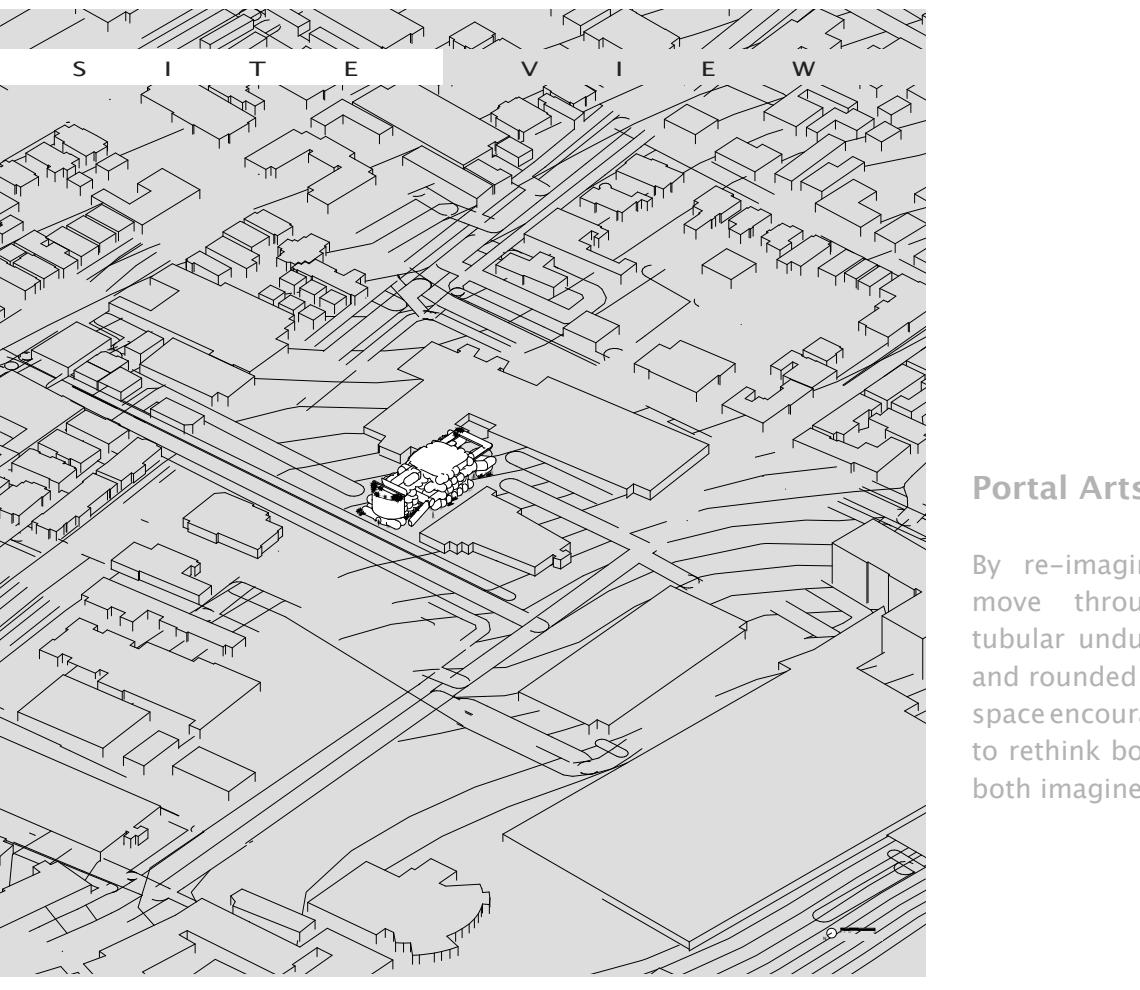
Kyoto, Japan.

TANK Architects

### Development of Form

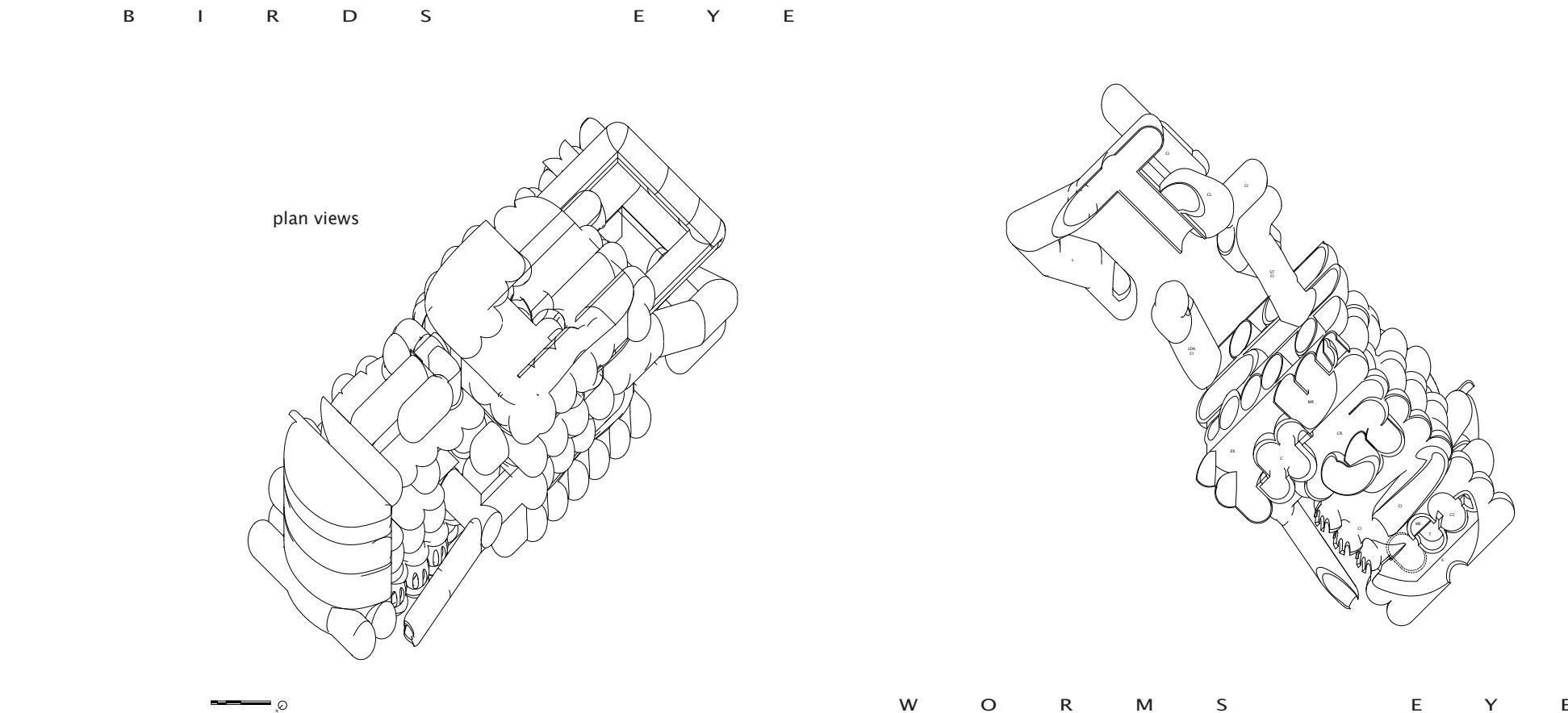
### Synthesis

### Generation of Form in 3D

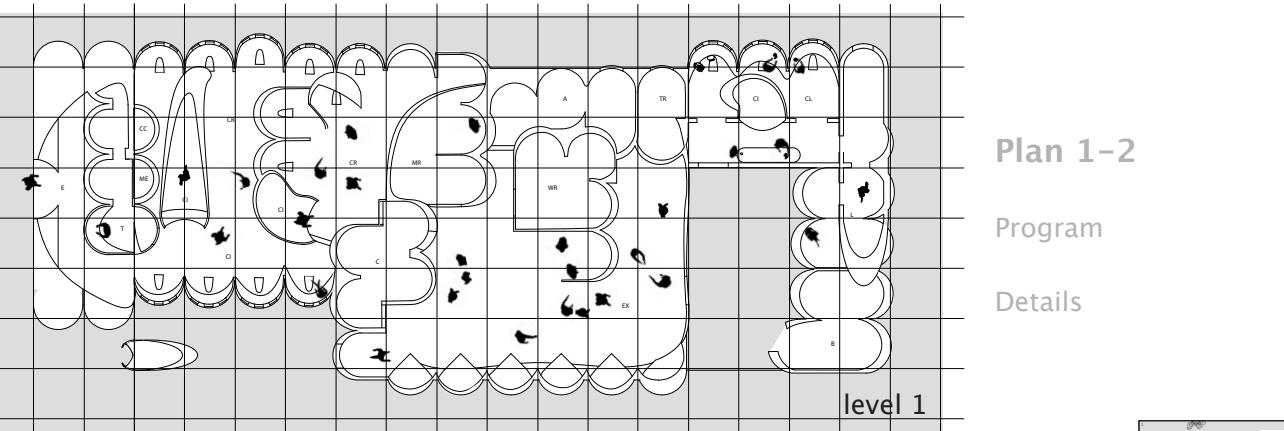


## Portal Arts Exchange

By re-imagining the way we move through space using tubular undulating connections and rounded wall elements, this space encourages the participant to rethink boundaries to access both imagined and material.



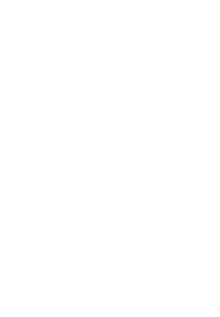
H O U S I N G		P U B L I C A R E S	
RT	- ROOF LDK	- LIVING	M - MEN'S
	- TERRACE	DINING	MR - MEN'S
ER	- EXERCISE	KITCHEN	RESTROOM
	- ROOM	E - ENTRY	WOMEN'S
	BED - BEDROOM	W - WOMEN'S	RESTROOM
MAIL	- MAIL ROOM	STU - STUDY	T - TICKETING
HE	- HOUSING	BATH - BATHROOM	E - EXHIBITION
	ENTRANCE	MC - MECHANICAL	S - SHOWERS AND
TR	- TRASH	CLOSET	A - AUTOURIUM
		MAIL	CHANGING
		EDIA LAB	C - CAFE, STO
		C	ORAGE
		CLERICALS	CUSTDAL
		LAB	CLOS
			MECHANICAL
			ELCTRICAL
L	- LIBRARY		
C	- CLASSROOM	O - OUTDOOR	
C	- COMMUNITY	P - MEETING	
	RESOURCE	B - BICYCLE	
		SPACE	PARKING



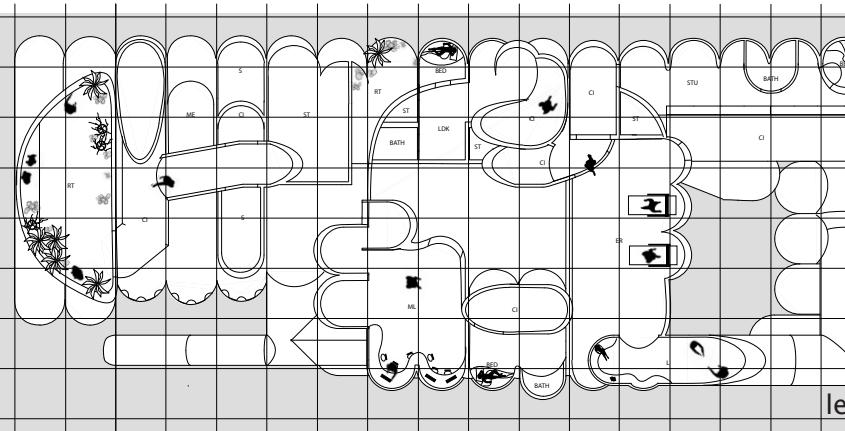
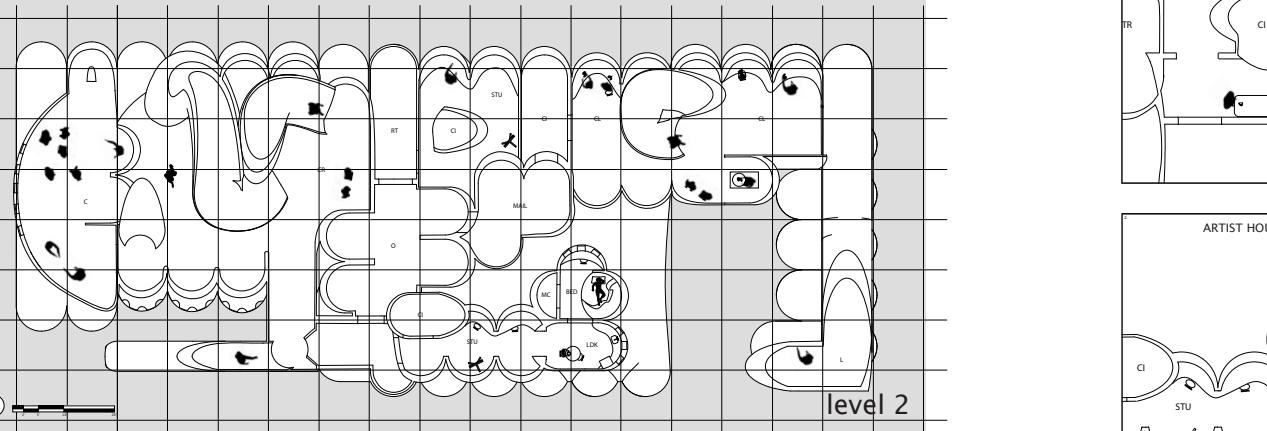
Plan 1-2

Program

Details



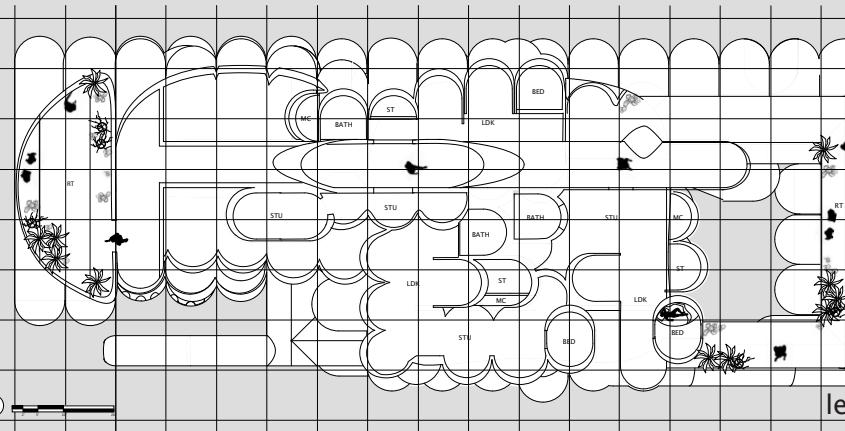
H O U S I N G		P U B L I C A R E A S	
RT	ROOF	LDK	LIVING
			MR - MEN'S
ER	EXERCISE	KITCHEN	CI - CIRCULATION
	ROOM	BED	RESTROOM
MAIL	MAIL ROOM	STU	E - ENTRY
HE	HOUSING	BATH	WR - WOMEN'S
TR	ENTRANCE	MC	WR - TICKETING
	TRASH	CLOSEST	RESTROOM
	RECYCLING		T - TICKETING
			STUDIO
			EX - EXHIBITION
			S - SHOWERS AND
			CHANGING
			A - AUDITORIUM
			C - CAFE
			ST - STORAGE
			MC - MECHANICAL
			CL - CUSTODIAL
			CLOSET
			ML - MEDIA LAB
			CC - CERAMICS
			LAB
			ME - MECHANICAL
			ELECTRICAL
L	LIBRARY		L - LIBRARY
C	CLASSROOM	O	O - OUTDOOR
CR	COMMUNITY	MEETING	CR - MEETING
RESOURCE	RESOURCE	B	B - BICYCLE
SPACE	SPACE		PARKING



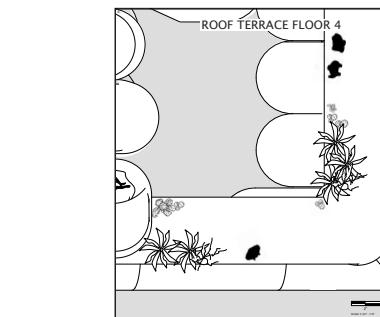
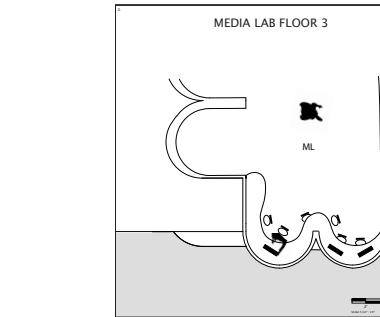
Plan 3-4

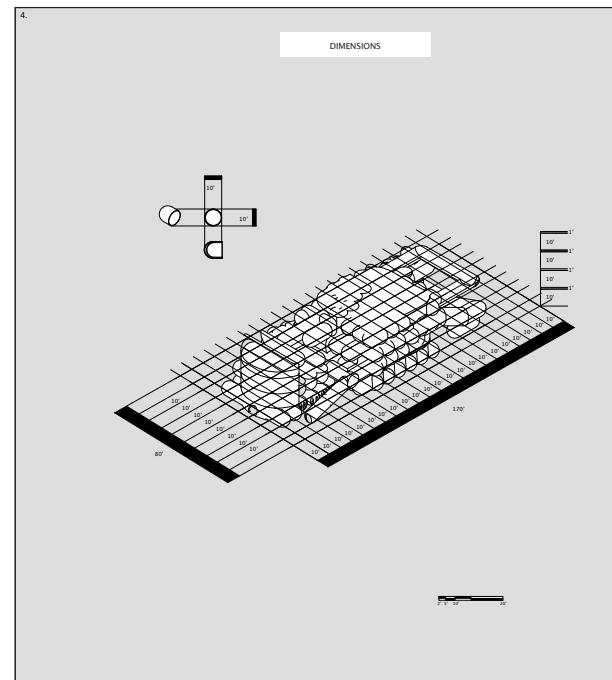
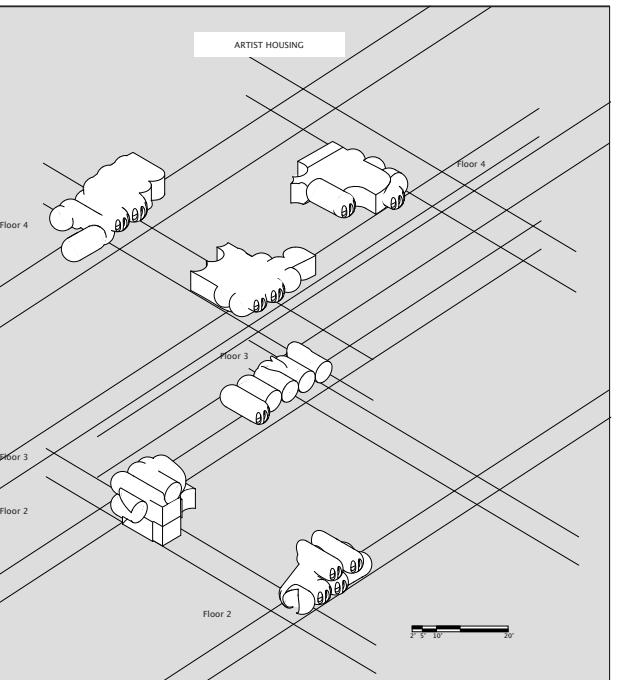
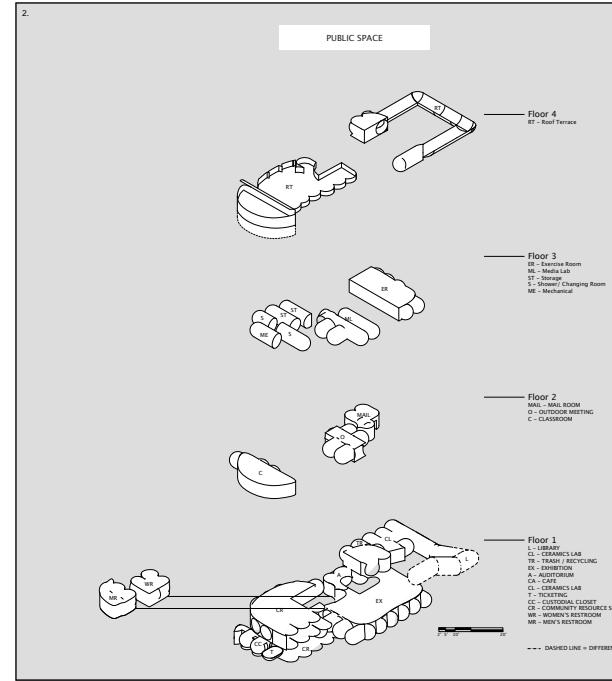
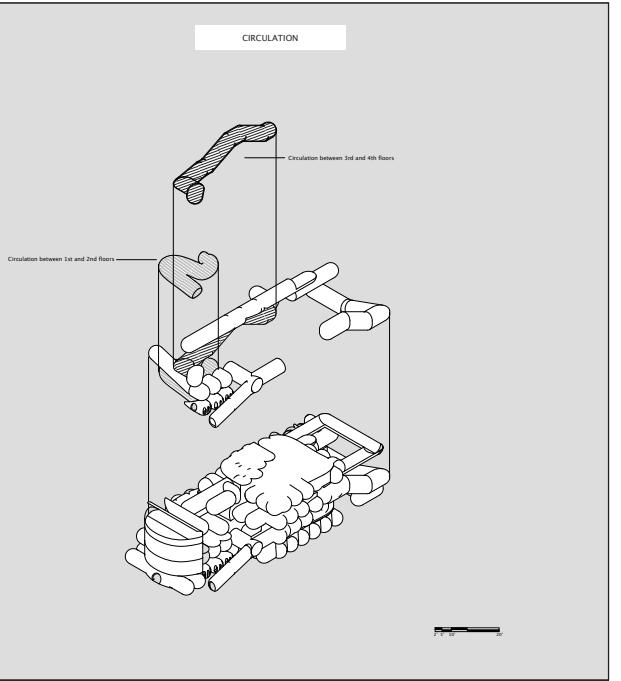
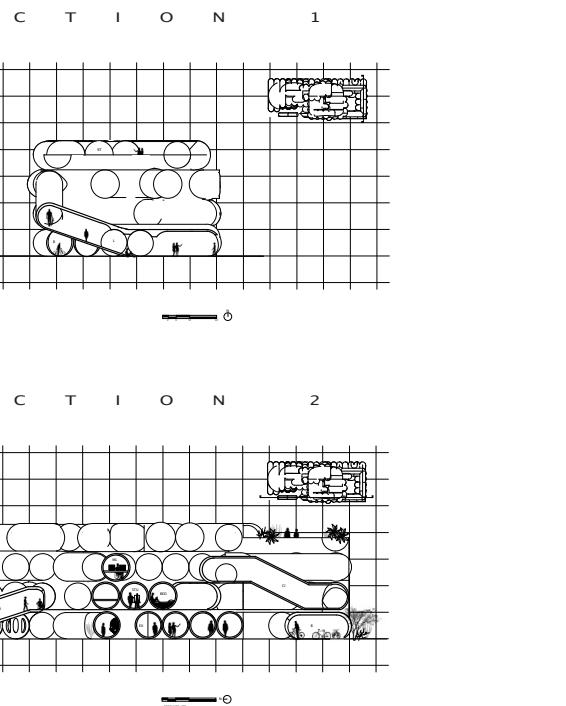
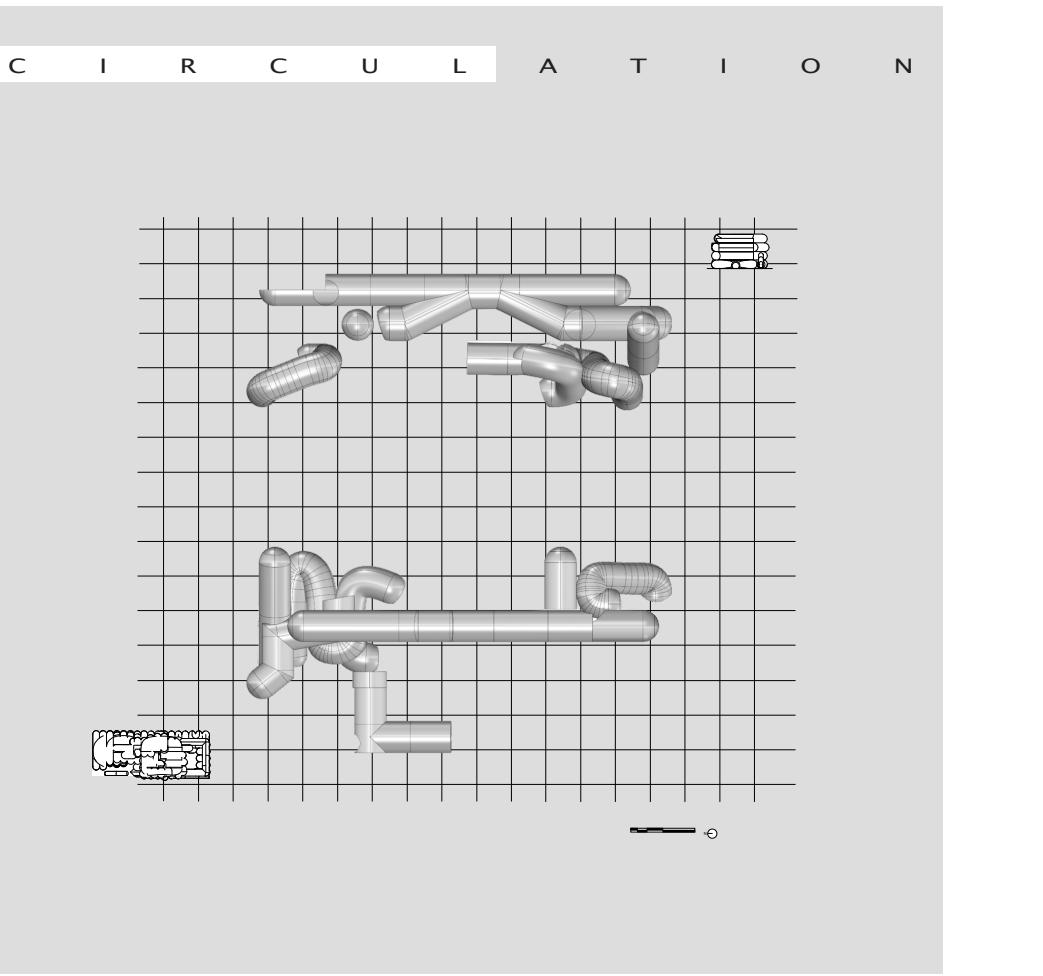
Program

Details



H O U S I N G		P U B L I C A R E A S	
RT	ROOF	LDK	LIVING
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			LAB
			ME - MECHANICAL
			ELECTRICAL
L	LIBRARY		L - LIBRARY
C	CLASSROOM	O	O - OUTDOOR
CR	COMMUNITY	MEETING	CR - MEETING
RESOURCE	RESOURCE	B	B - BICYCLE
SPACE	SPACE		PARKING





Organization Systems

Circulation

Public Space

Artist Housing

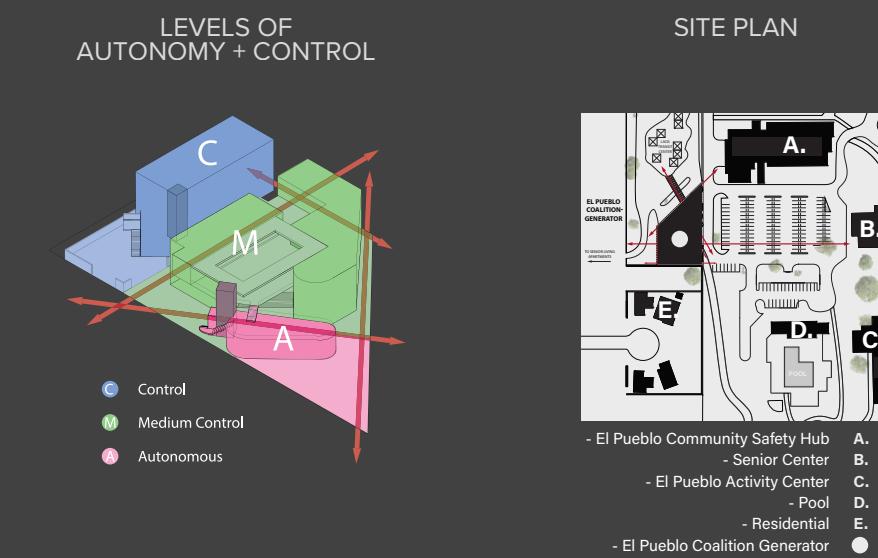
Dimensions

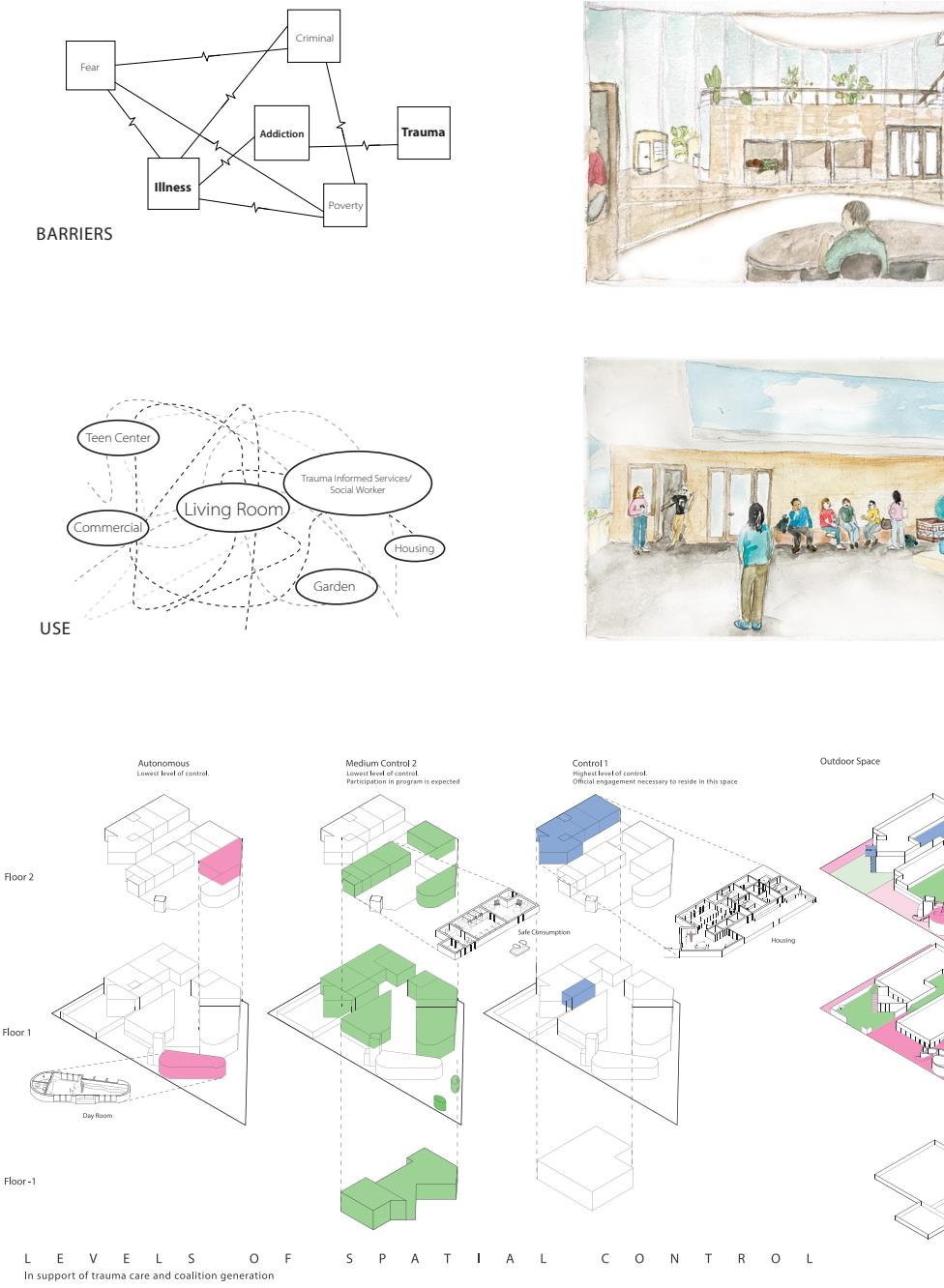
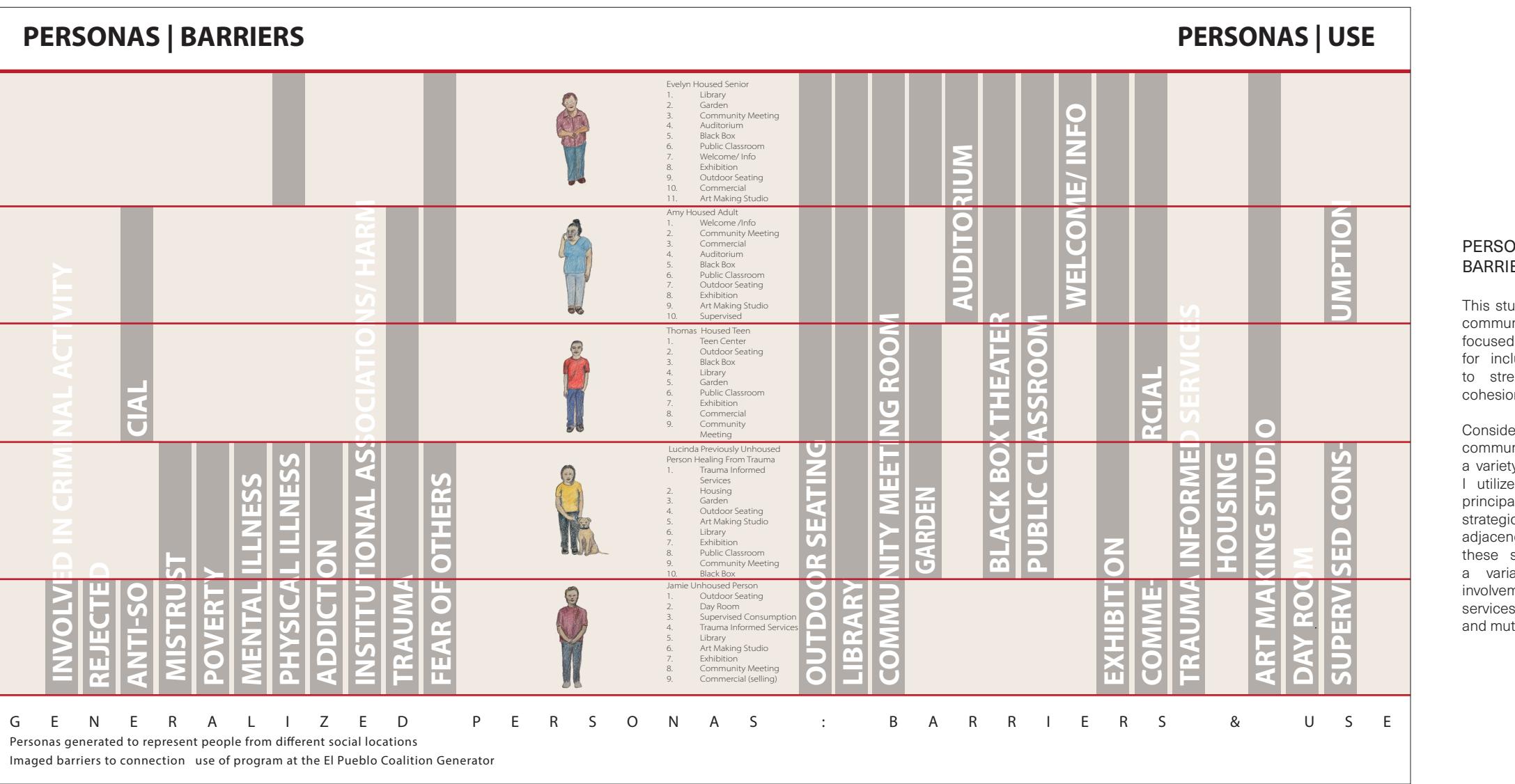


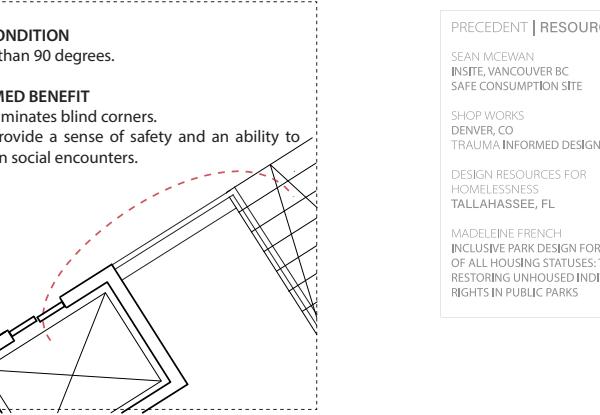
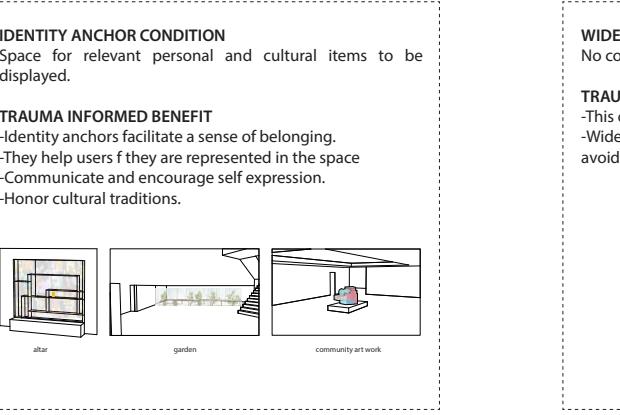
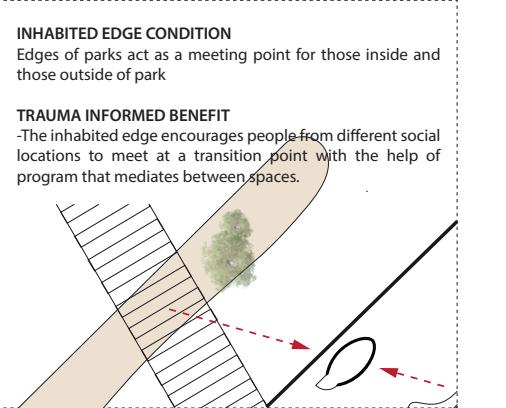
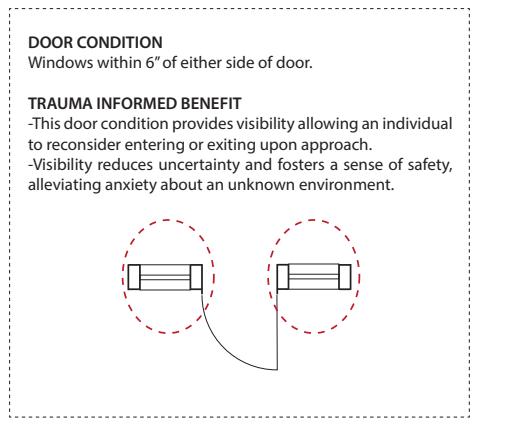
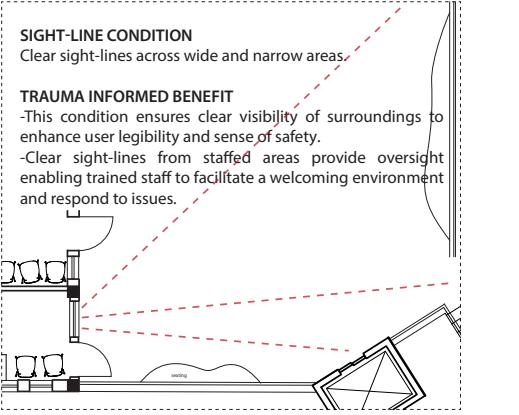
## EL PUEBLO COALITION GENERATOR

This project is designed to foster inclusivity and mutual respect by **meeting people where they are** with care. It seeks to strengthen community, uplift those in need, and **provide shared resources for all**. Inspired by the El Rio Coalition of the 1960's and 70's, it seeks to **empower neighborhood members to unite** by providing architecture that addresses barriers to community building and collaboration.

This facility encourages **community members across different social locations** to meet, learn from each other, and express themselves. A gradient of spatial control and autonomy accommodates varying needs and barriers to participation, supported by **trauma-informed design**, strategic program adjacencies, and the inclusion of outdoor spaces.







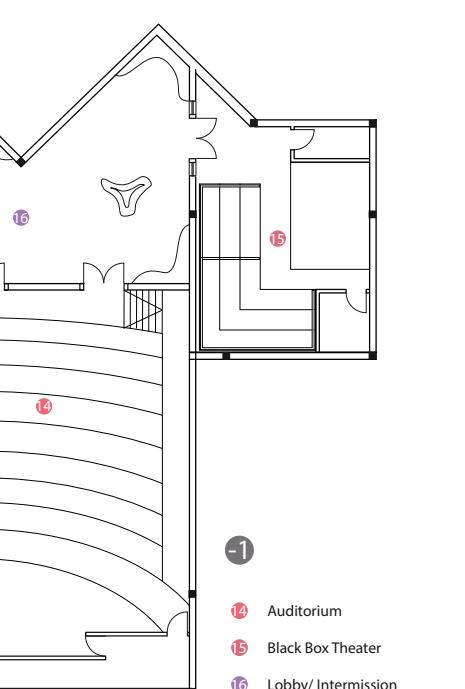
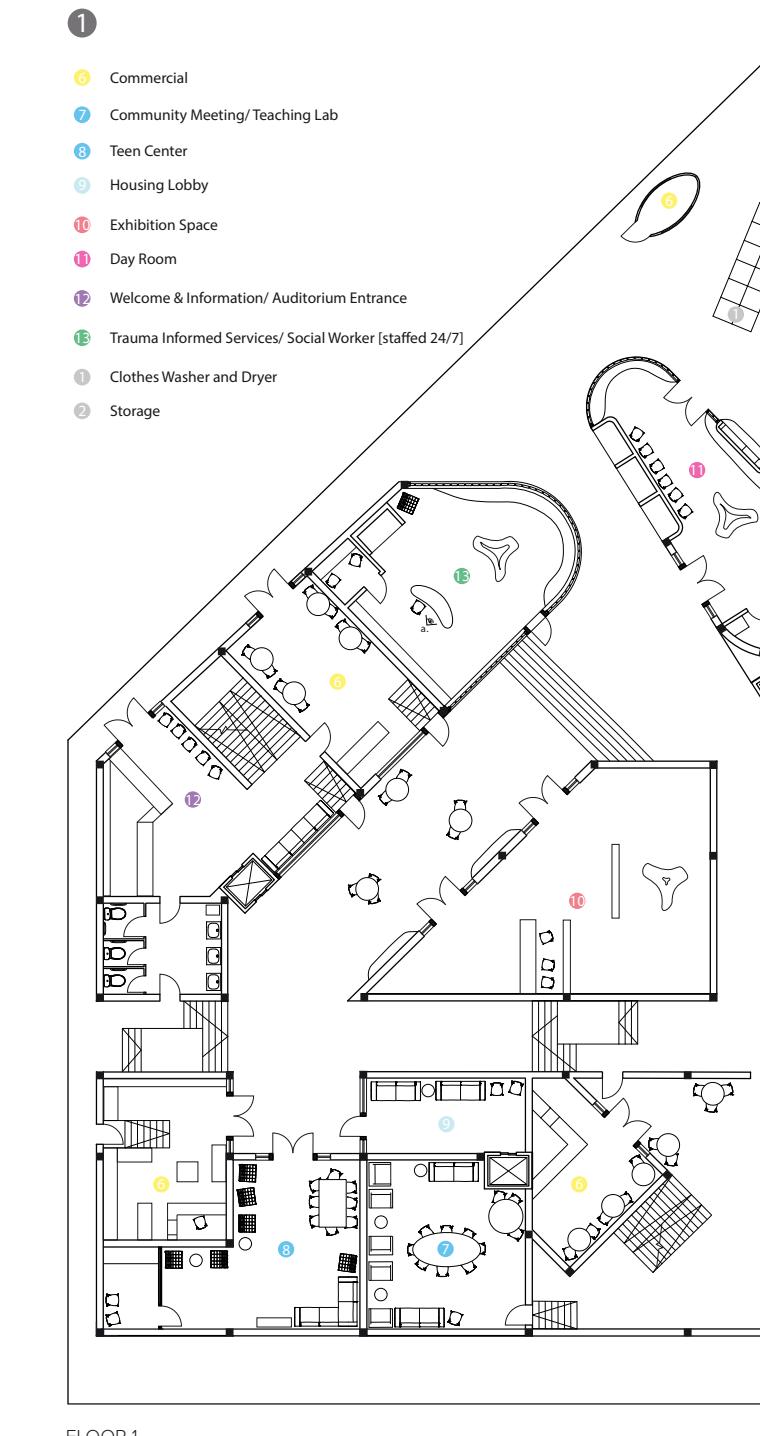
**PRECEDENT | RESOURCES**

SEAN MCEWAN  
IN SITE, VANCOUVER BC  
SAFE CONSUMPTION SITE

SHOP WORKS  
DENVER, CO  
TRAUMA INFORMED DESIGN

DESIGN RESOURCES FOR  
HOMELESSNESS  
TALLAHASSEE, FL

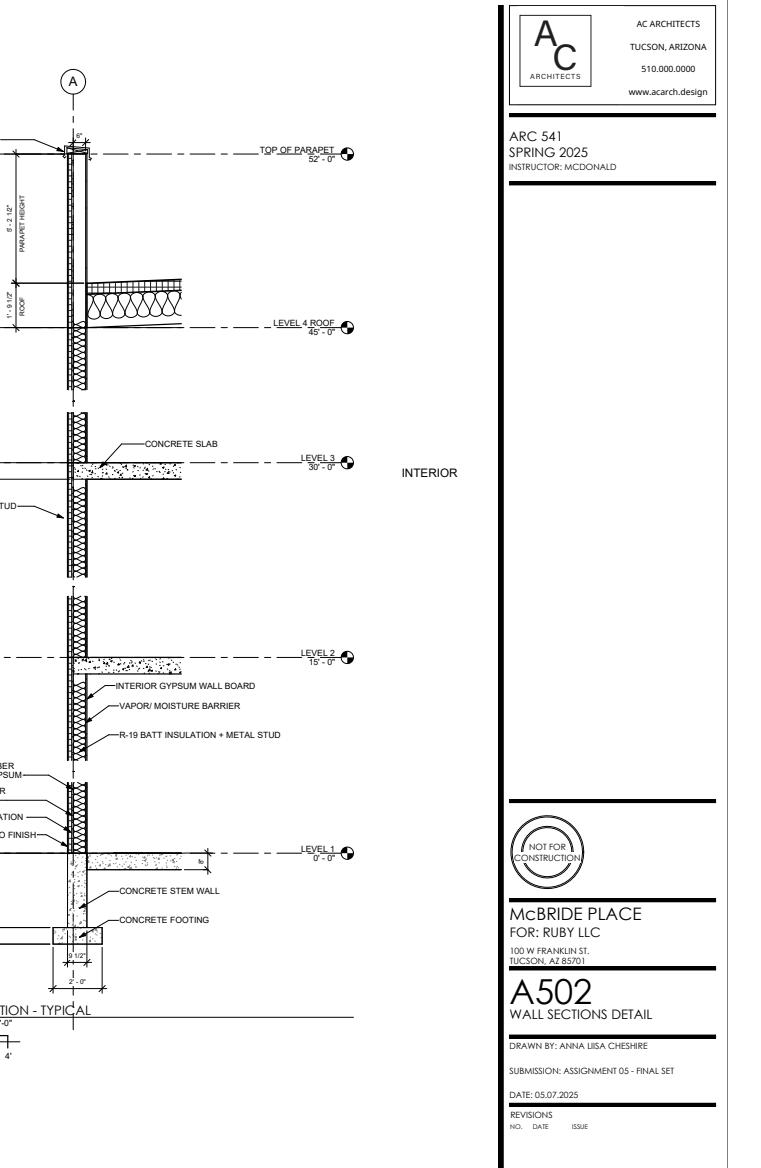
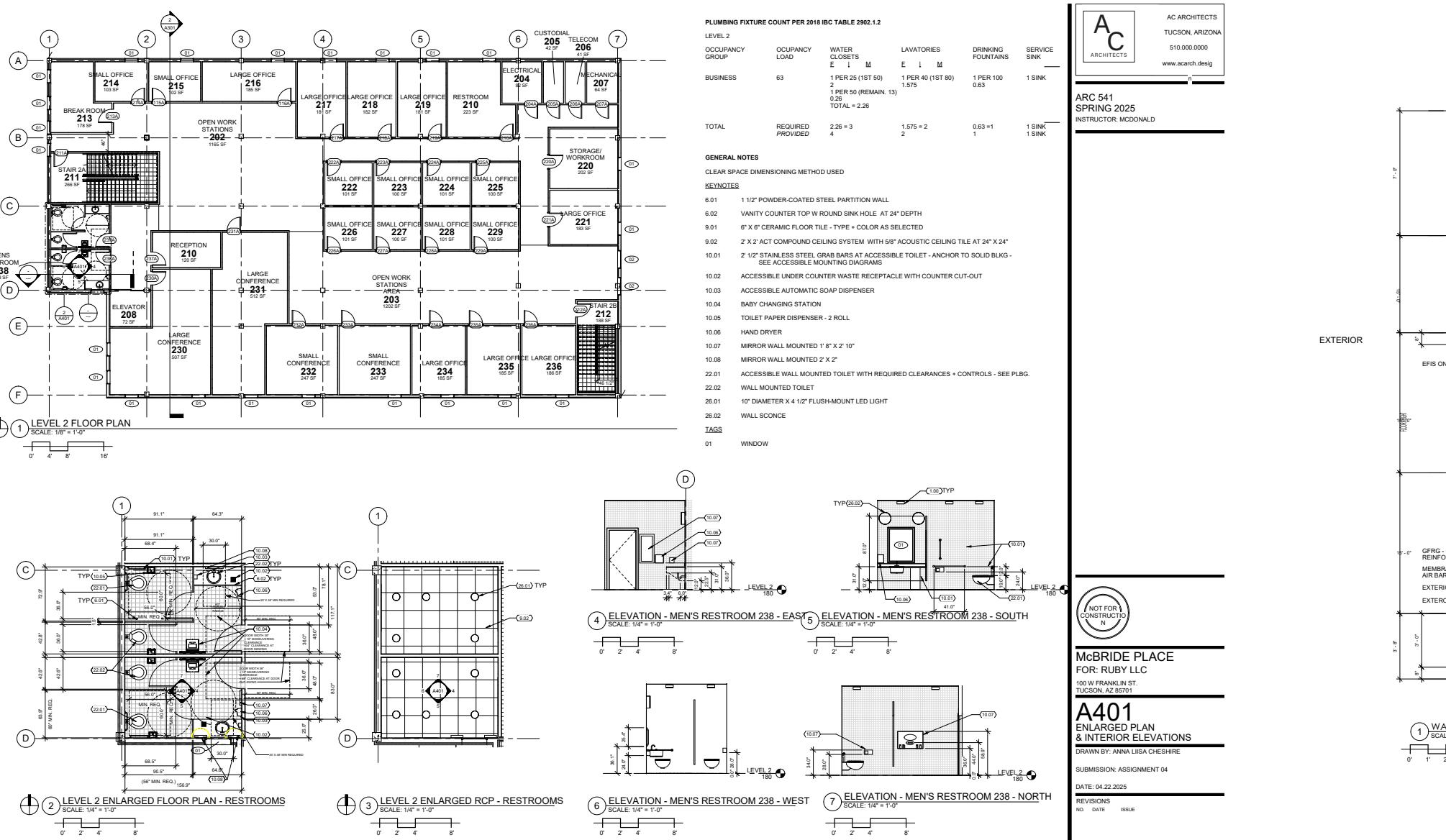
MADELINE FRENCH  
INCLUSIVE PARK DESIGN FOR PEOPLE  
OF ALL HOUSING STATUSES: TOOLS FOR  
RESTORING UNHOUSED INDIVIDUALS'  
RIGHTS IN PUBLIC PARKS



FLOOR -1 BASEMENT SCALE 1:18"

FLOOR 1 SCALE 1:18"

FLOOR 2 SCALE 1:18"



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