

Anna Liisa

CHESHIRE

Architectural

PORTFOLIO

2023 ————— 2026

The University of Arizona

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Studio E, Semester 4, Spring 2025

Instructor Laura Carr

Project 02 | Portal Arts Exchange

Studio B, Semester 1, Fall 2023

Instructor Brendan Sullivan Shea

Project 03 | El Pueblo Coalition Generator

Studio D - Semester 3, Fall 2024

Instructor Kenny Wong

Project 04 | McBride Place

Contract Documents, Semester 4, Spring 2025

Instructor Savannah McDonald

Anna Liisa Cheshire

Master of Architecture 2026 | University of Arizona

Bachelor of Arts, Art History 2019 | San Francisco State University

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510-978-1092

Tucson, AZ – Seattle, WA



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.

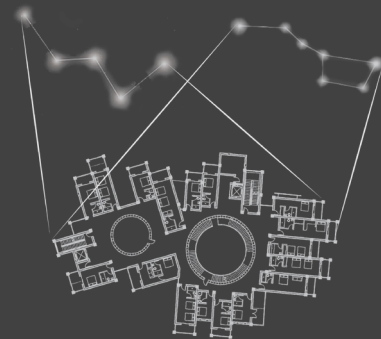
Strategy: This hotel provides space for both community members and visitors to explore the night sky. The sky tunnel is a dynamic space that pulls visitors through the building from the ground floor to the roof. The roof functions as the sky viewing zone complete with sky viewing chairs and telescopes. By bringing people through the building who are not 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 buildings 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).

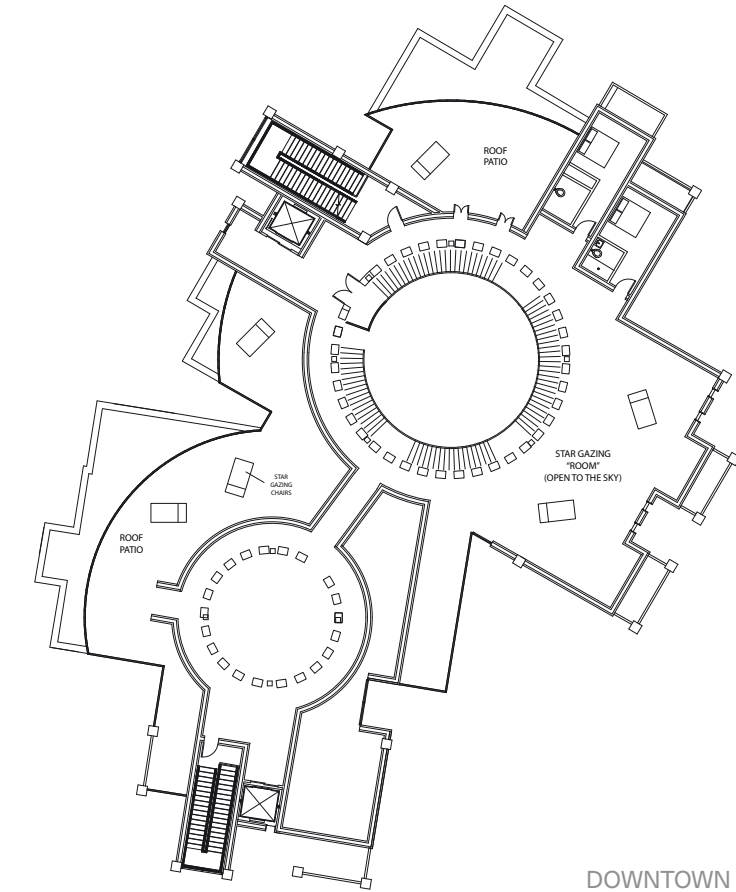
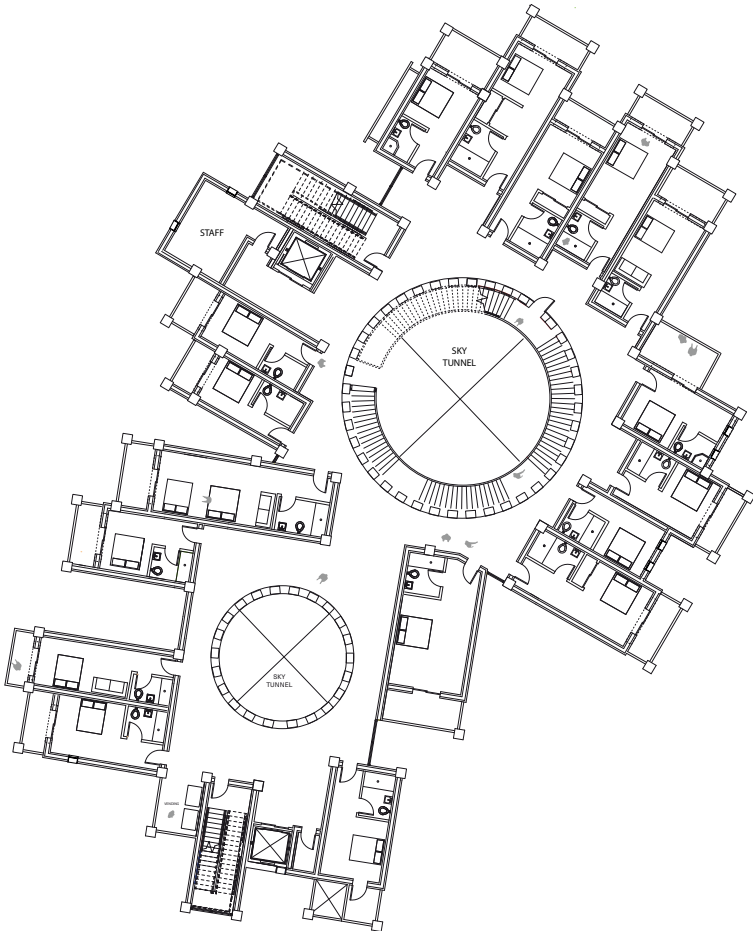
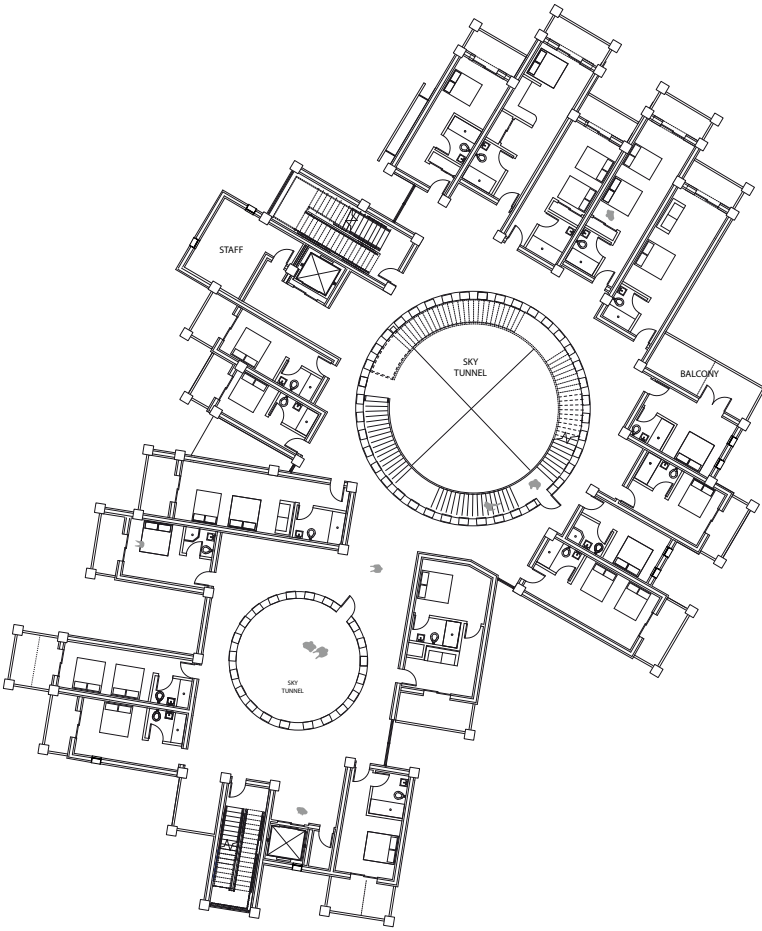
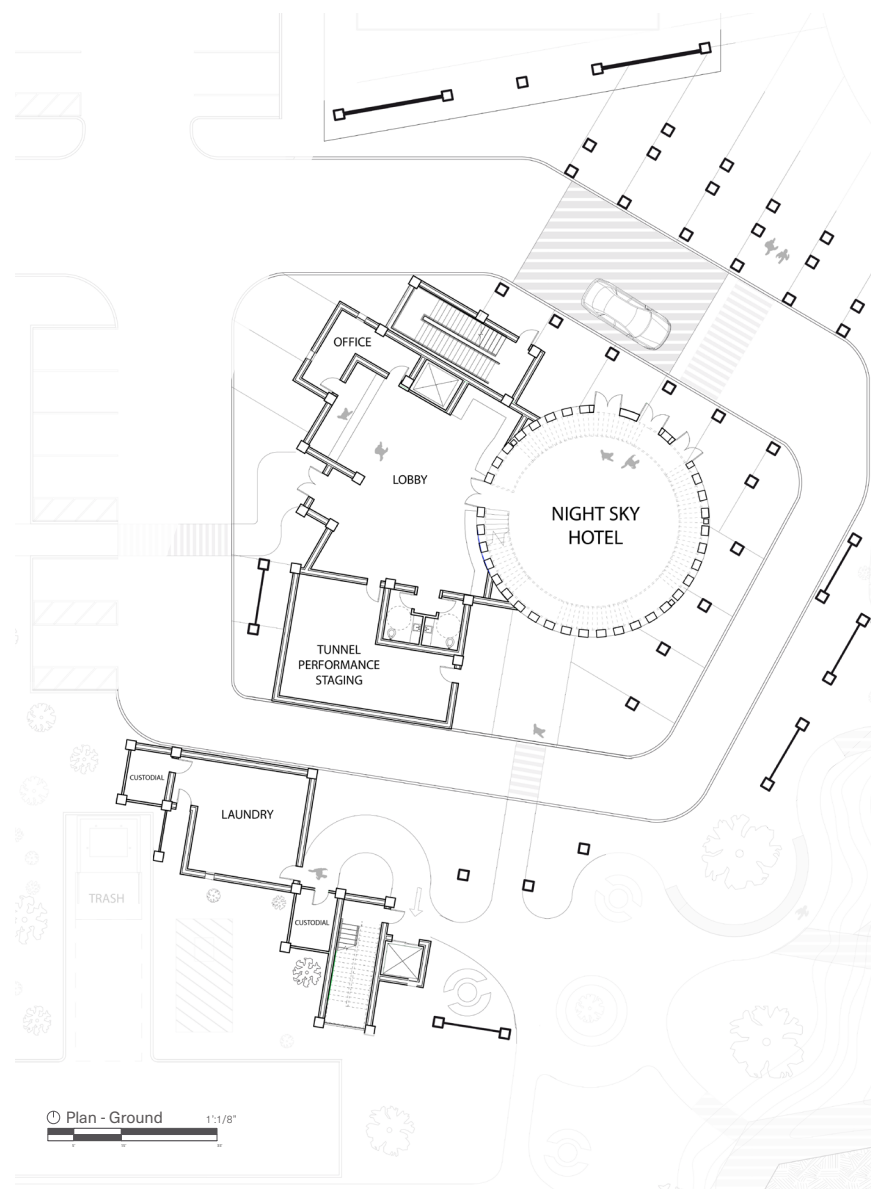
Client Goal: provide an elegant hotel that visually responds to and feels a part of Tuba City.

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 Shade Structures.



Star Projection
Orientation and Form Generation

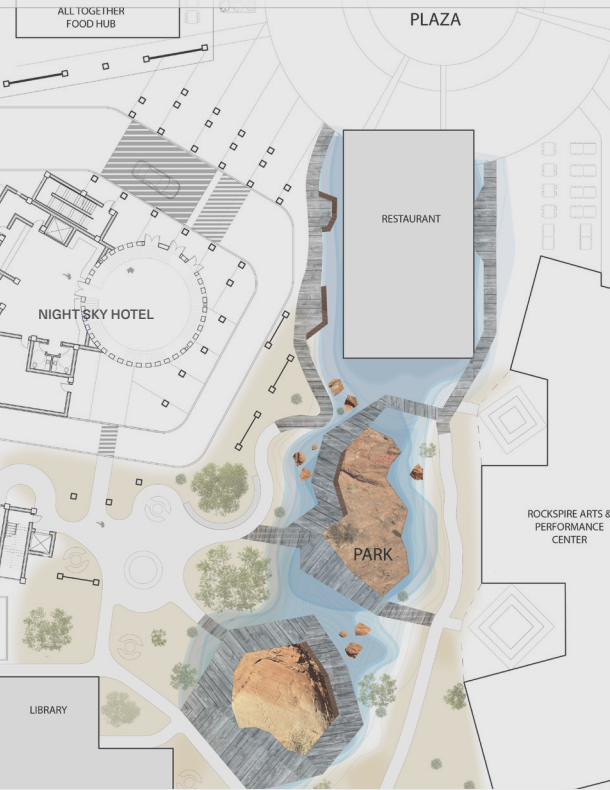
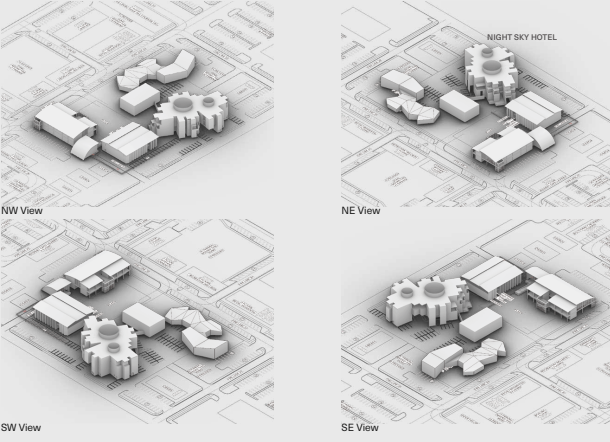
The orientation of the Night Sky Hotel was inspired by Navajo Astronomy where man- Náhook-s Bi'k2' (Big Dipper), and woman- Náhookòs Bi'áád (Cassiopeia), revolve around the central fire- Náhookòs Bikò' (North Star). By projecting these constellations onto the site and rotating their forms around a central point, the orientation and form of the building was generated.



DOWNTOWN TUBA CITY
DEVELOPMENT PLAN
(Right)
Plaza development studio
collaboration with:
Katlin Mouisset Food Hub
Sam Geoke Shopping Center
Alondra Azurdia Performing Arts Hub

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

PLAZA VIEWS



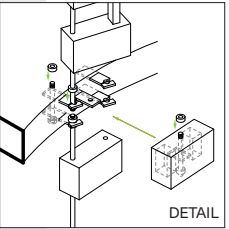
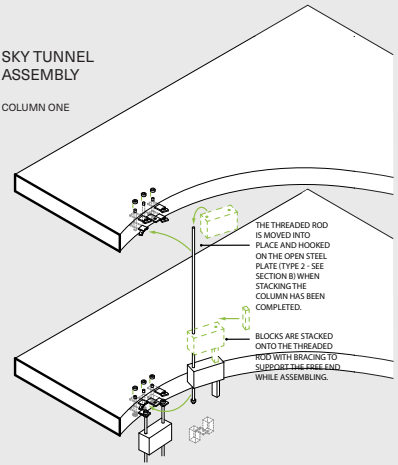
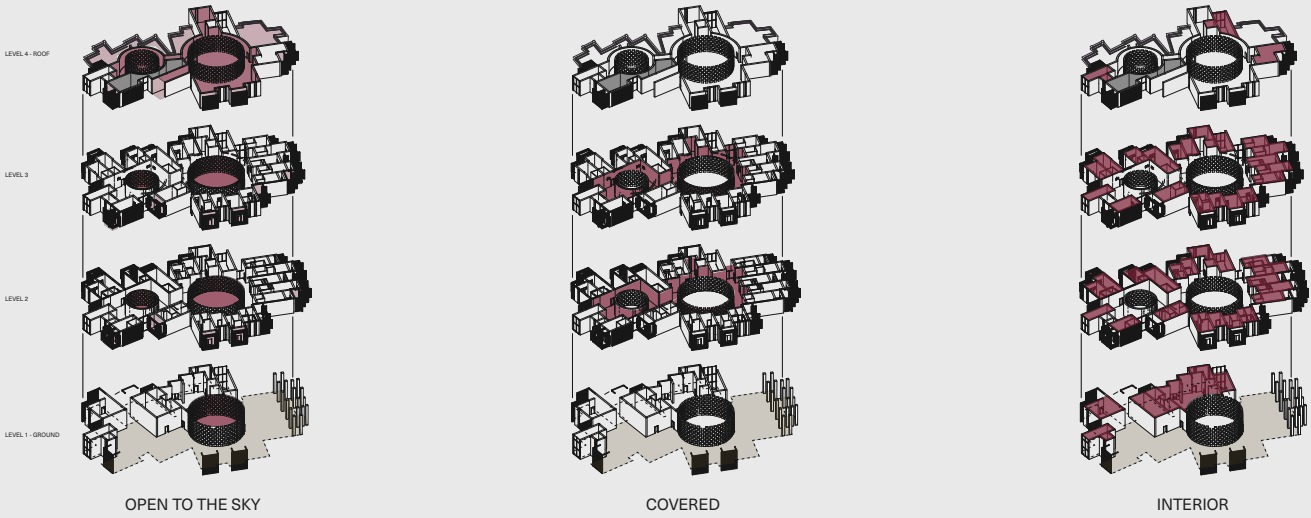
INTERIOR/ EXTERIOR
CONDITION

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.

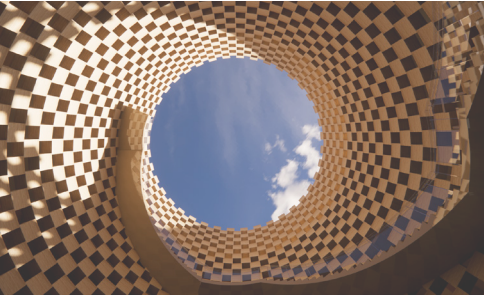
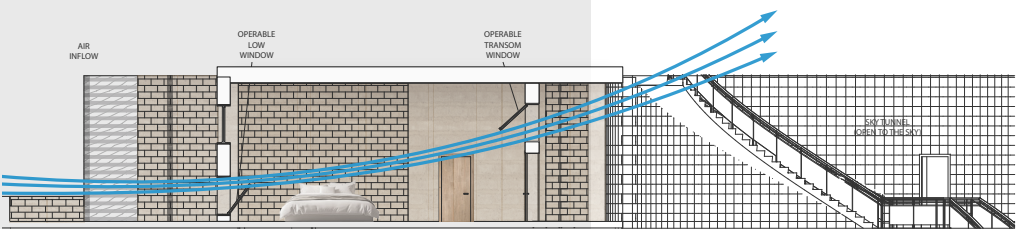
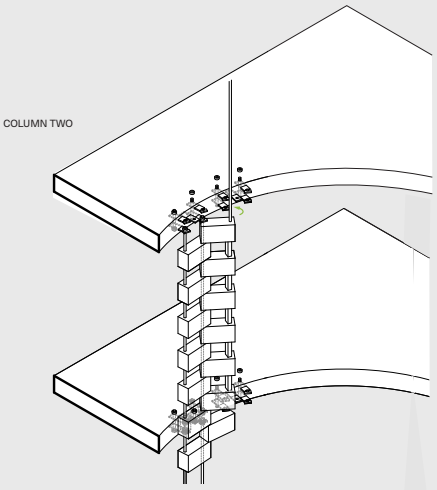
Interior rooms are enclosed
and utilize cooling and
heating strategies.

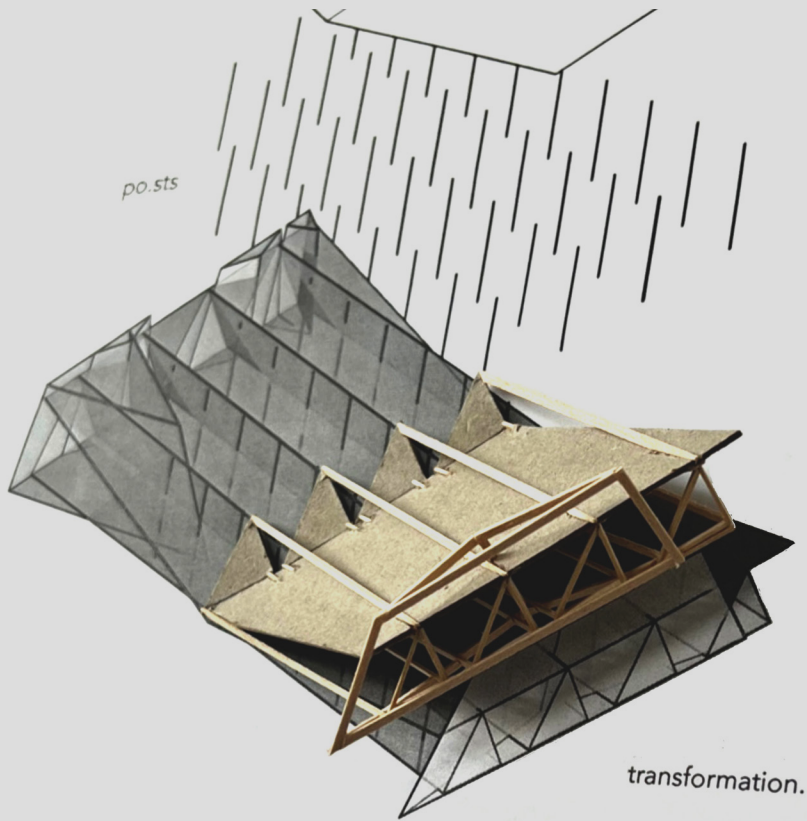
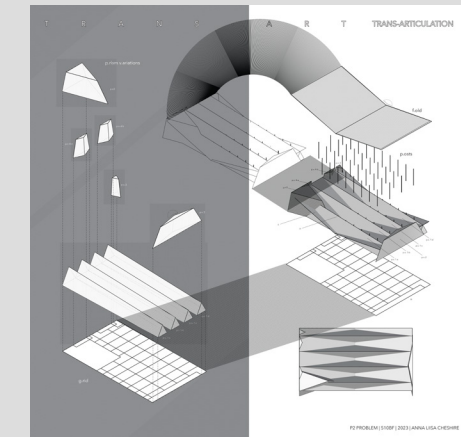
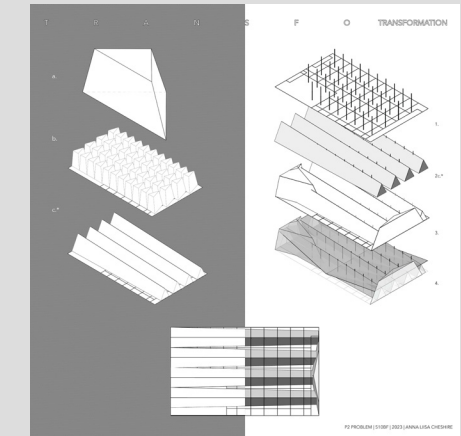
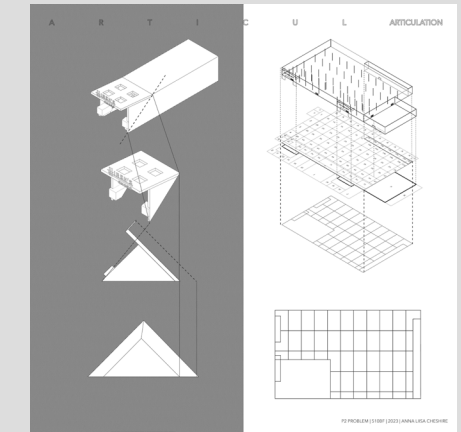


SKY TUNNEL

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

Designed to concentrate
attention upwards towards
the stars, “Sky Tunnels” also
function as a passive cooling
strategy, drawing air through
the hotel rooms.
(below)

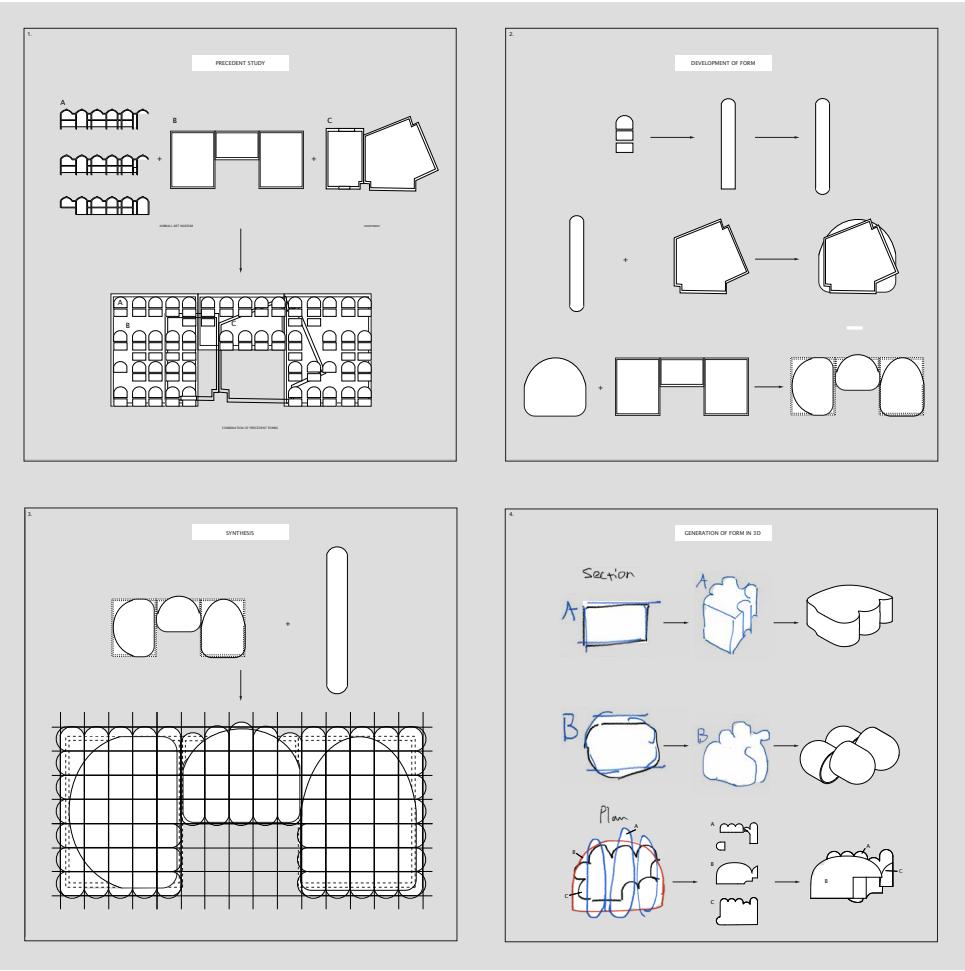




Intro to Generation of Form

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.

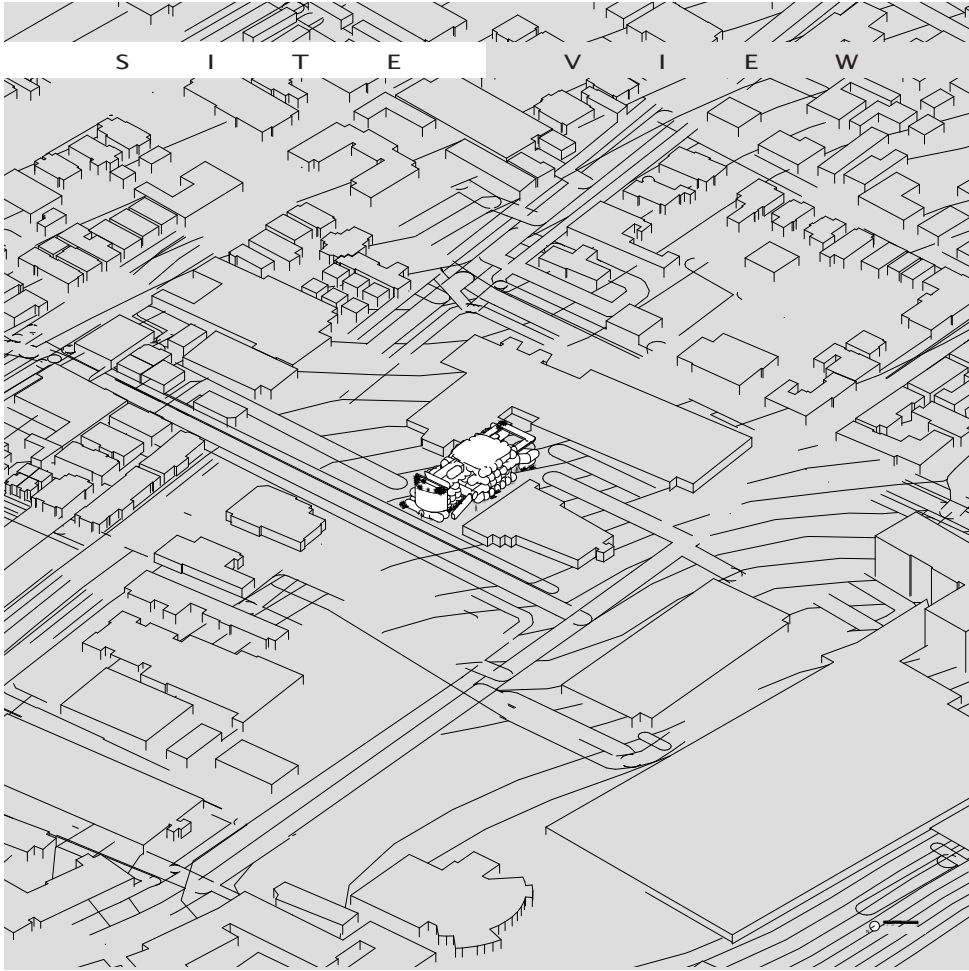
Kyoto, Japan.

TANK Architects

Development of Form

Synthesis

Generation of Form in 3D

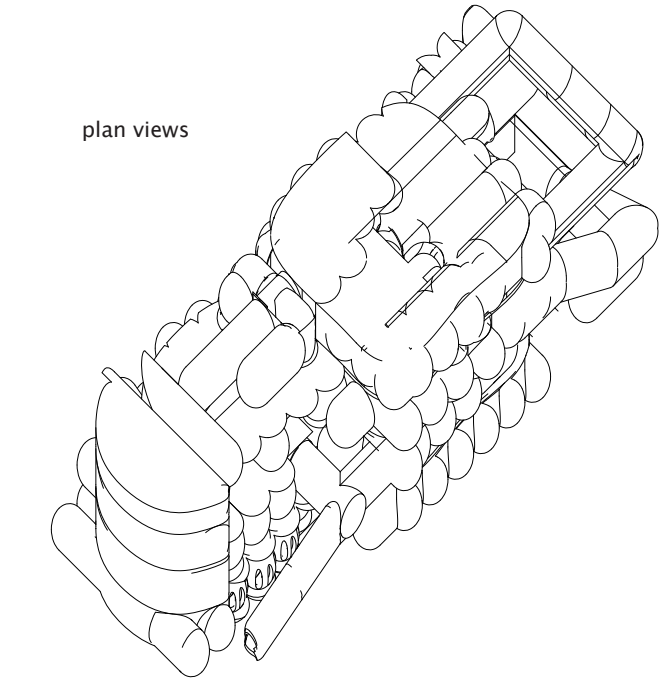


Portal Arts Exchange

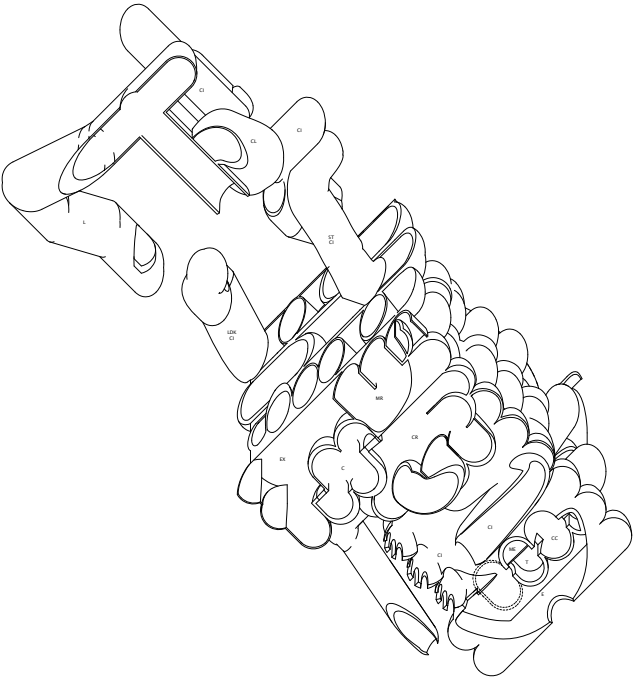
By re-imagining the way we move through space using tubular undulating connections and rounded wall elements, this space encourages the participant to rethink boundaries to access both imagined and material.

B I R D S E Y E

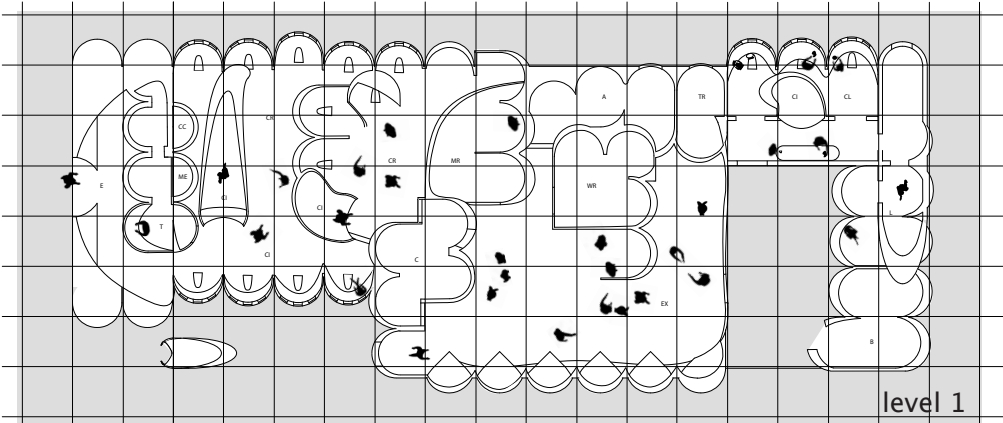
plan views



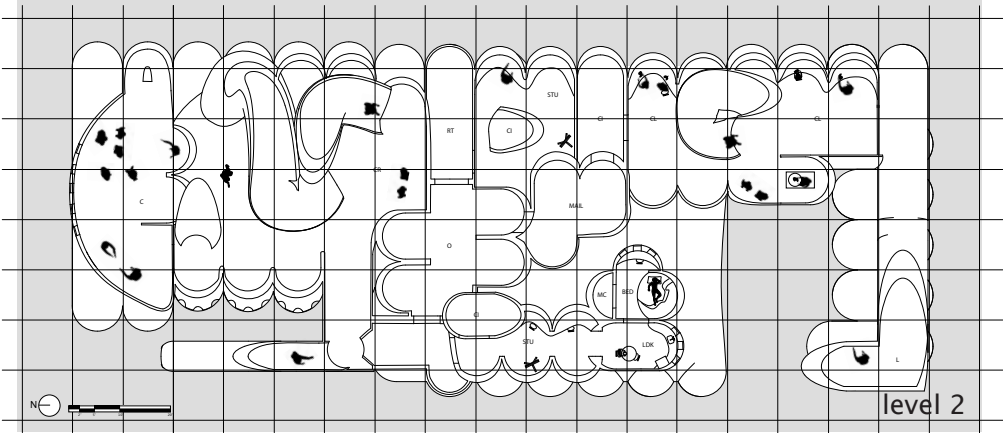
W O R M S E Y E



- - - - 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	
		TERRACE			DINING			RESTROOM	
ER	-	EXERCISE			KITCHEN	WR	-	WOMEN'S	
		ROOM	BED	-	BEDROOM			RESTROOM	
MAIL	-	MAIL ROOM	STU	-	STUDIO	EX	-	SHOWERS AND	
HE	-	HOUSING	BATH	-	BATHROOM	A	-	CHANGING	
		ENTRANCE	MC	-	MECHANICAL	C	-	STORAGE	
TR	-	TRASH			CLOSET	ML	-	CUSTODIAL	
		RECYCLING				CL	-	CLOSET	
						L	-	MECHANICAL	
						CL	-	ELECTRICAL	
						L	-	LIBRARY	
						C	-	CLASSROOM	
						CR	-	COMMUNITY	
								MEETING	
								BICYCLE	
								PARKING	



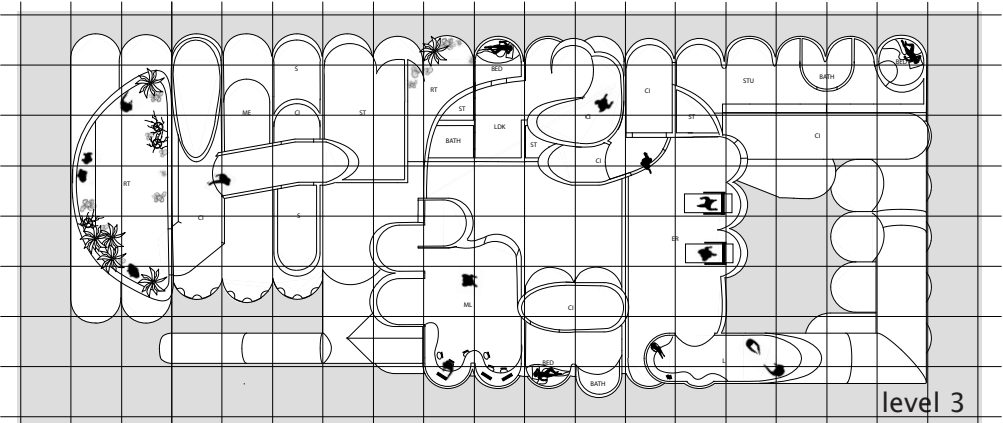
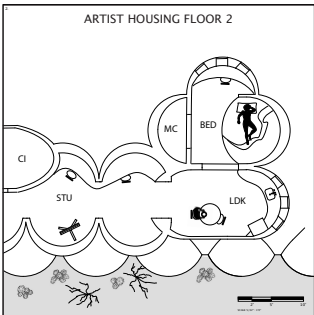
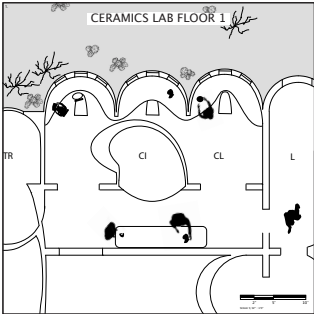
level 1



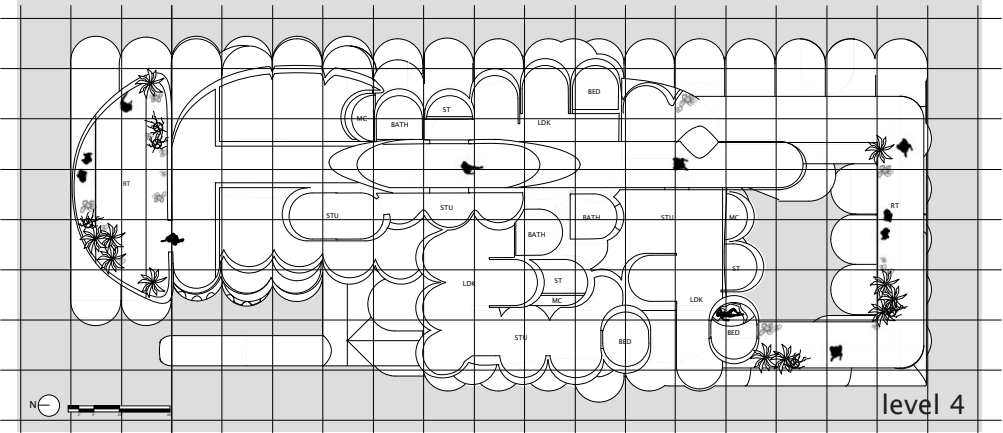
level 2

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

Plan 1-2
Program
Details



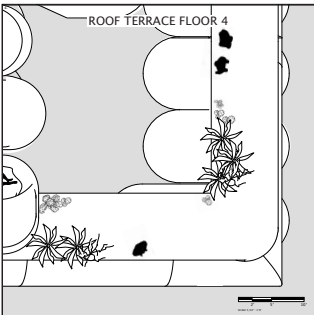
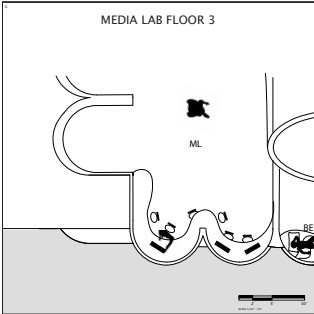
level 3

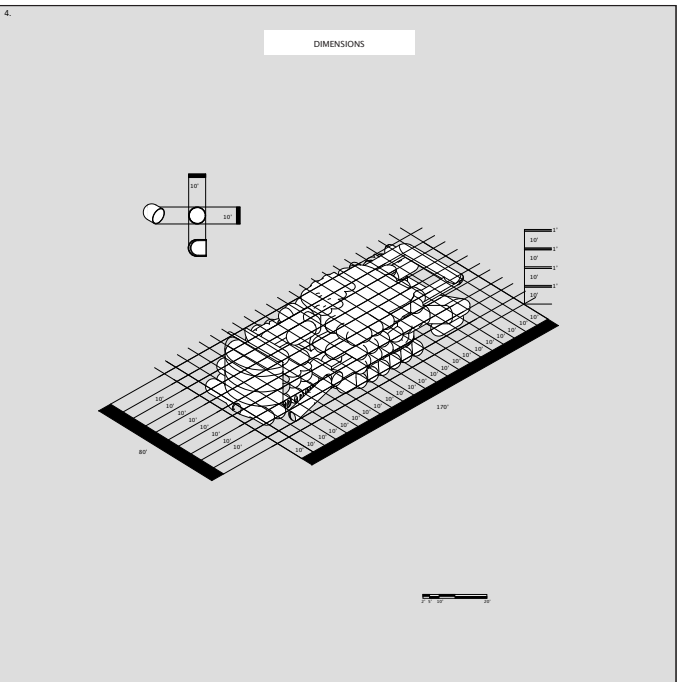
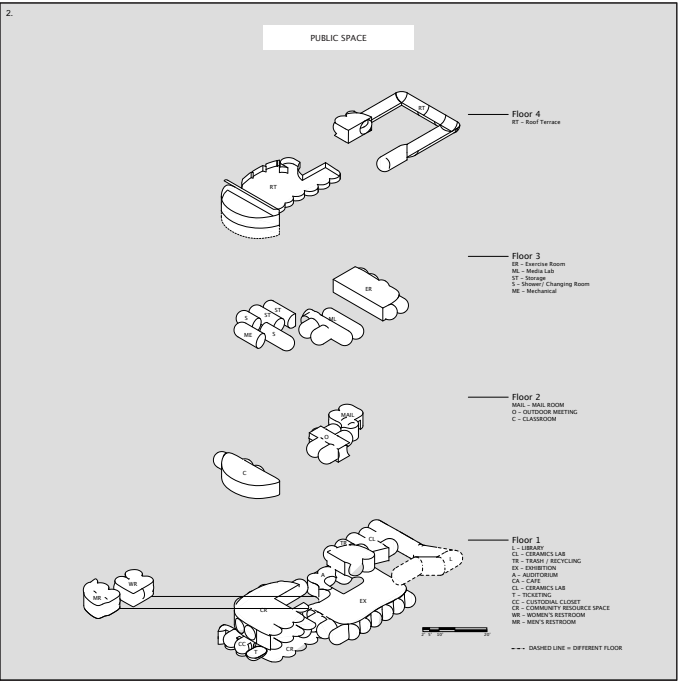
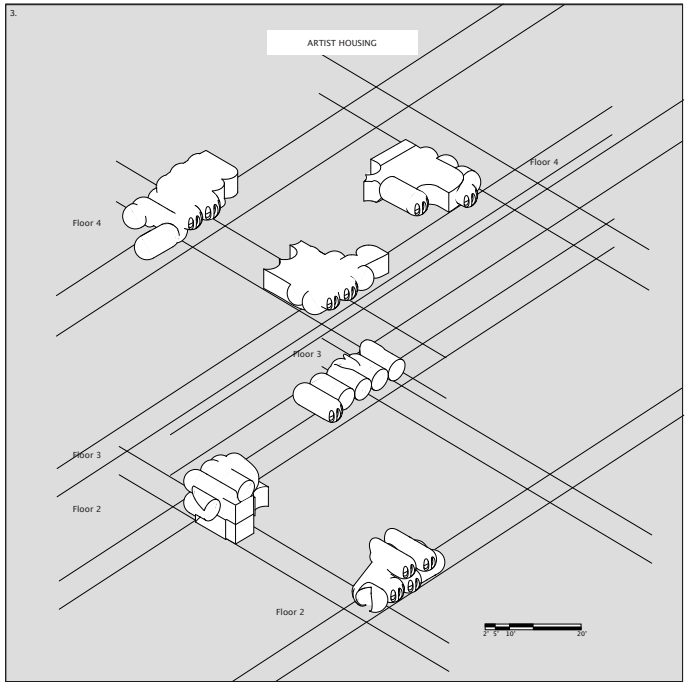
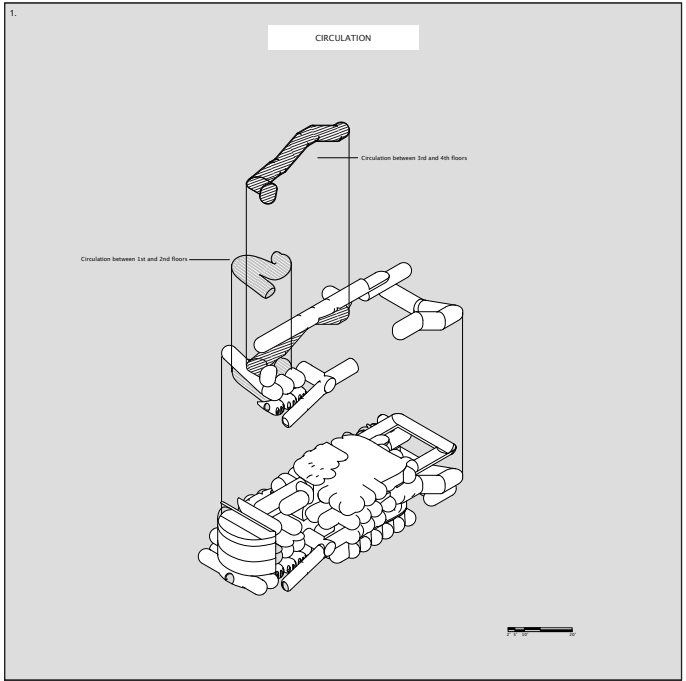
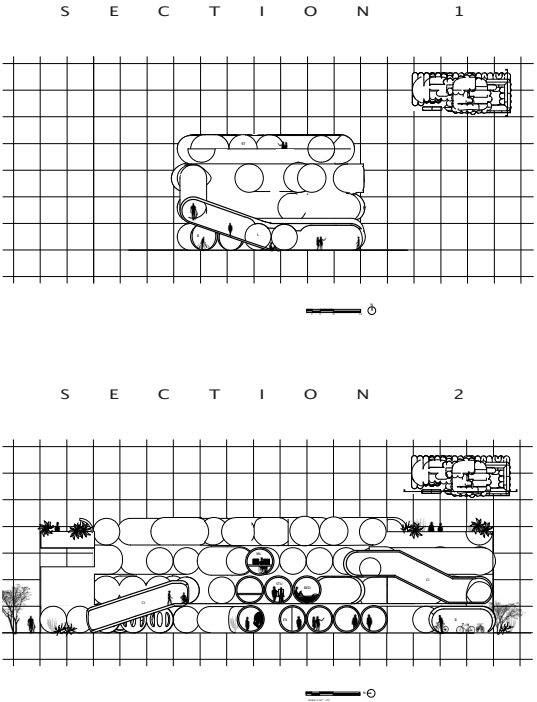
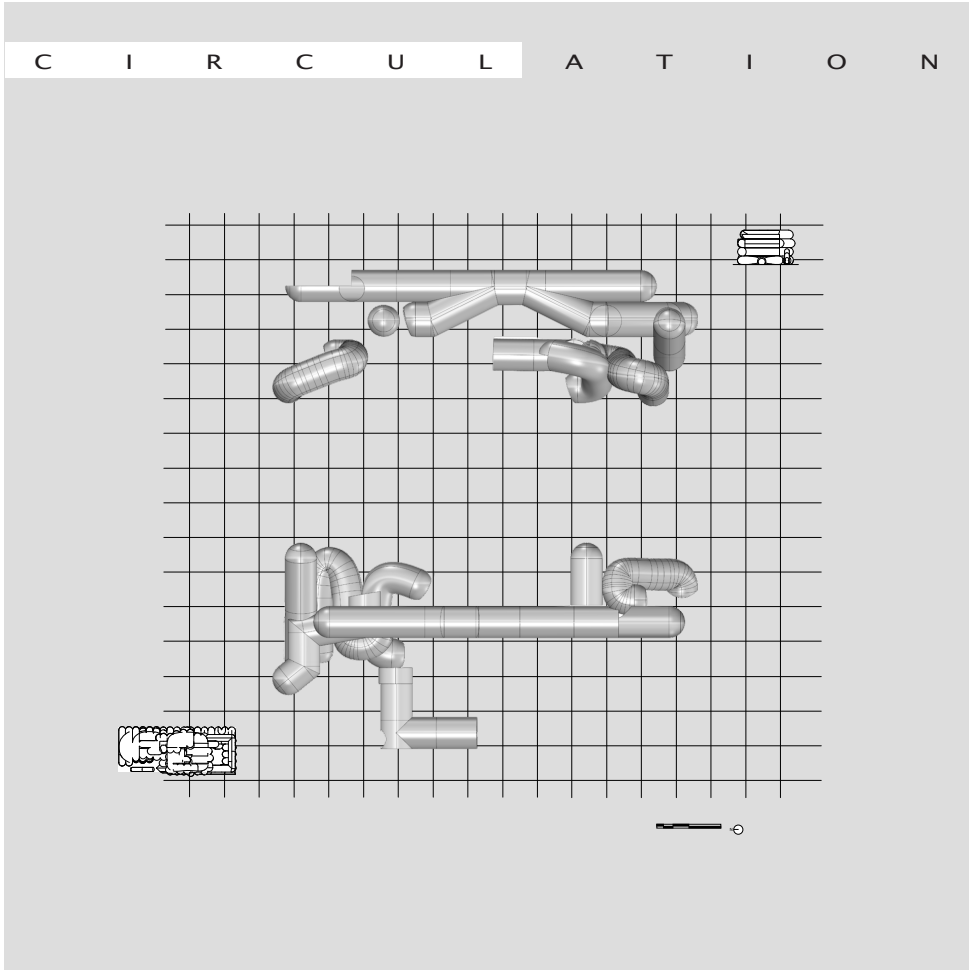


level 4

- | | |
|-----------------------|-------------------------------|
| ----- HOUSING ----- | ----- PUBLIC AREAS ----- |
| RT - ROOF TERRACE | LDK - LIVING DINING |
| ER - EXERCISE ROOM | BED - BEDROOM |
| MAIL - MAIL ROOM | STU - STUDIO |
| HE - HOUSING ENTRANCE | BATH - BATHROOM |
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| L - LIBRARY | O - OUTDOOR MEETING |
| C - CLASSROOM | CR - COMMUNITY RESOURCE SPACE |
| | B - BICYCLE PARKING |

Plan 3-4
Program
Details





Organization Systems

Circulation

Public Space

Artist Housing

Dimensions

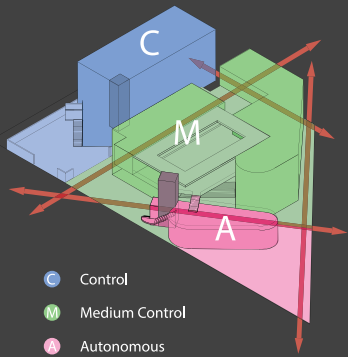


EL PUEBLO COALITION GENERATOR

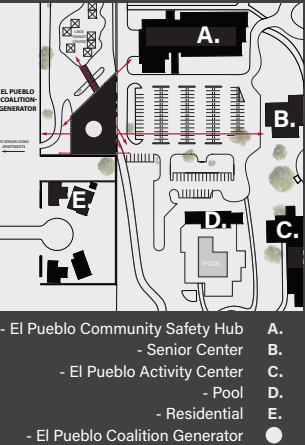
This project is designed to foster inclusivity and mutual respect by **meeting people where they are** with care. It seeks to strengthen community, uplift those in need, and **provide shared resources for all**. Inspired by the El Rio Coalition of the 1960's and 70's, it seeks to **empower neighborhood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

LEVELS OF
AUTONOMY + CONTROL



SITE PLAN

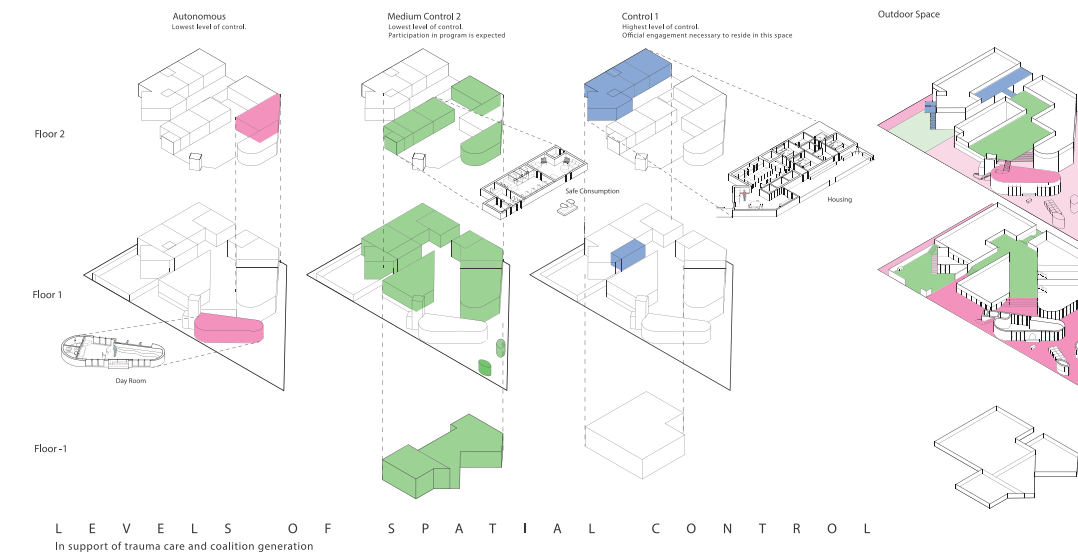


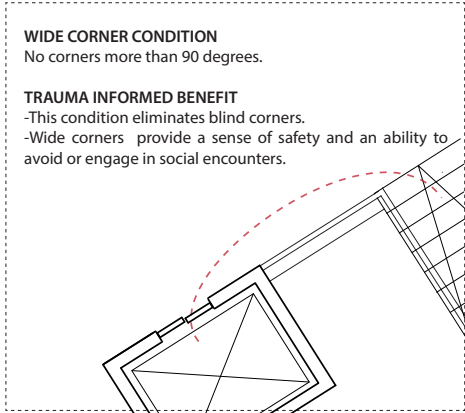
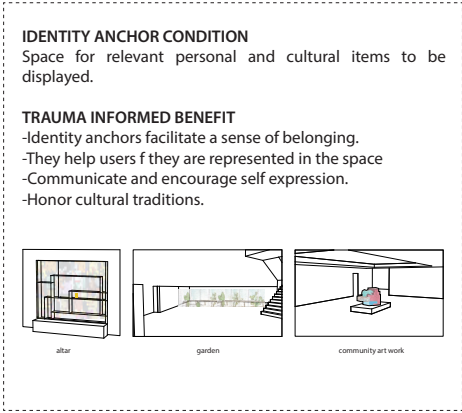
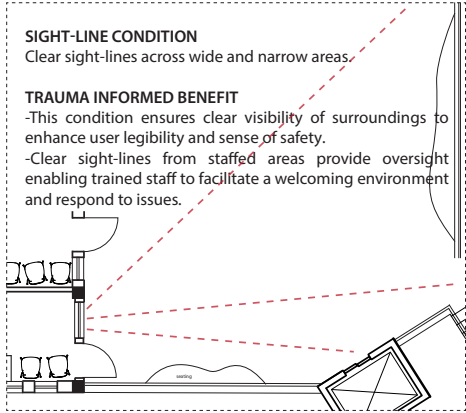
Anna Liisa Cheshire



This studio examined urban community design. My work focused on how to design for inclusion as a means to strengthen community cohesion and power.

Considering barriers to community participation by a variety of user typologies, I utilized trauma informed principals paired with strategic programmatic adjacencies. Together these strategies allow for a variation of proximity, involvement, access to services, security, autonomy and mutual respect.





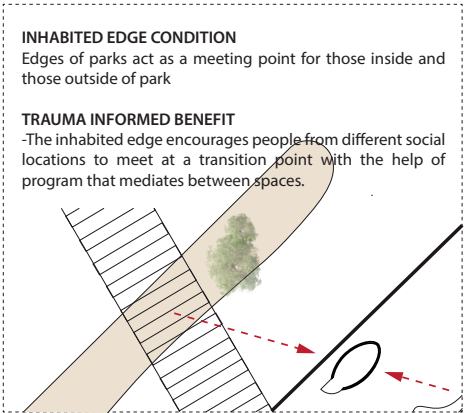
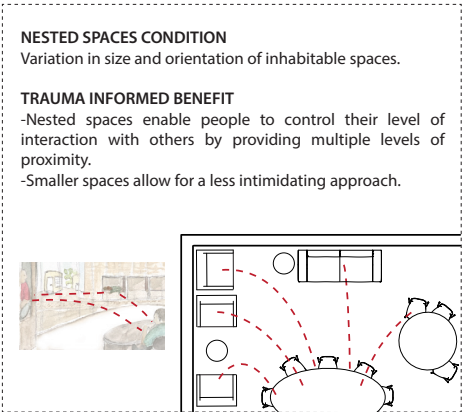
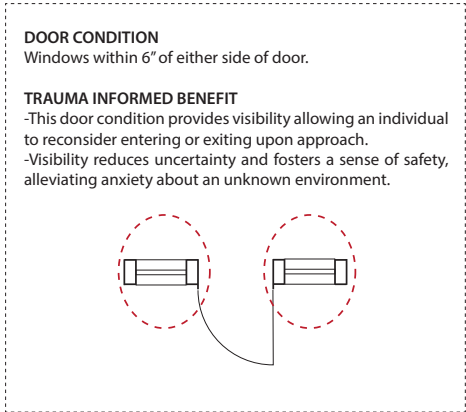
PRECEDENT | RESOURCES

SEAN MCEWAN
INSITE, VANCOUVER BC
SAFE CONSUMPTION SITE

SHOP WORKS
DENVER, CO
TRAUMA INFORMED DESIGN

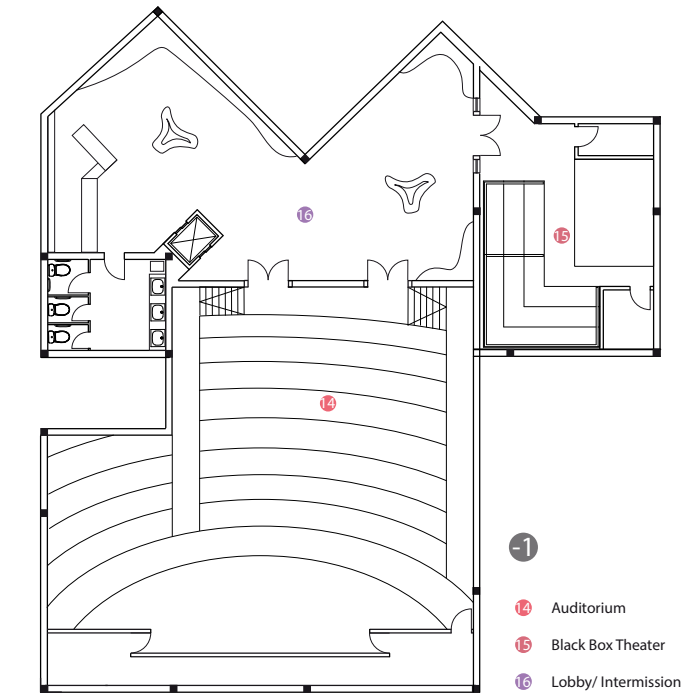
DESIGN RESOURCES FOR
HOMELESSNESS
TALLAHASSEE, FL

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

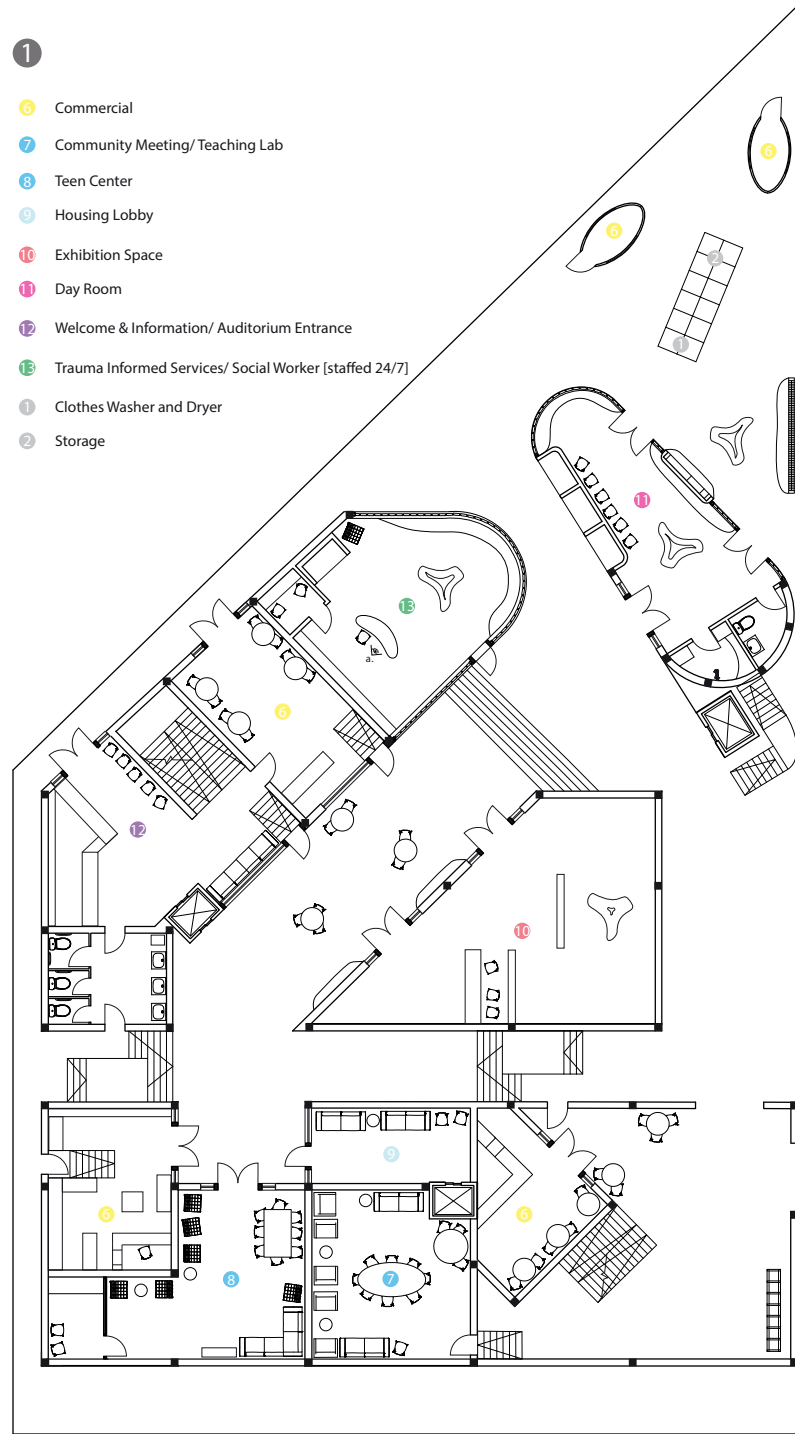


P R I N C I P L E S

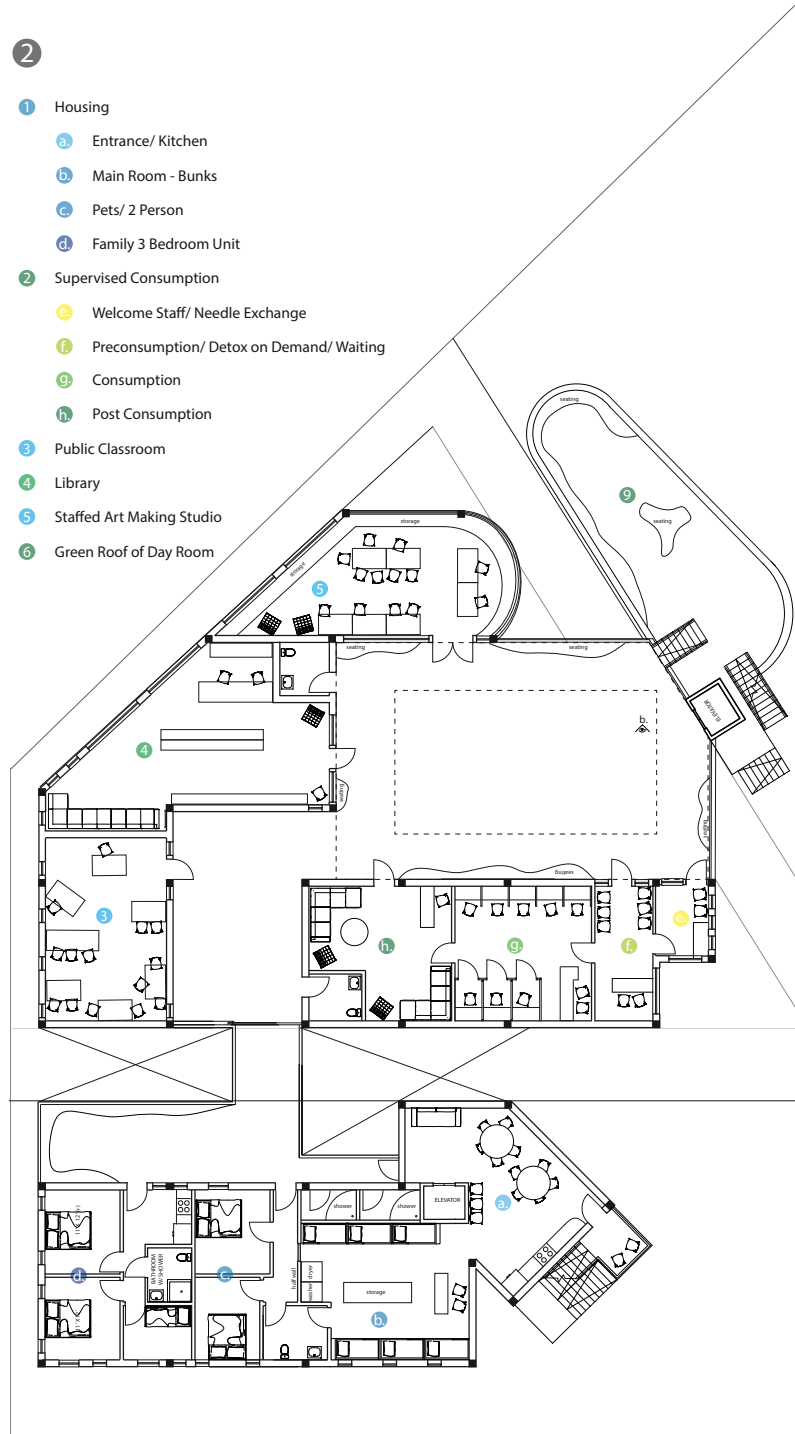
Trauma informed principal conditions are designed to address the needs of people who have experienced trauma in order to enhance a sense of wellbeing and safety.



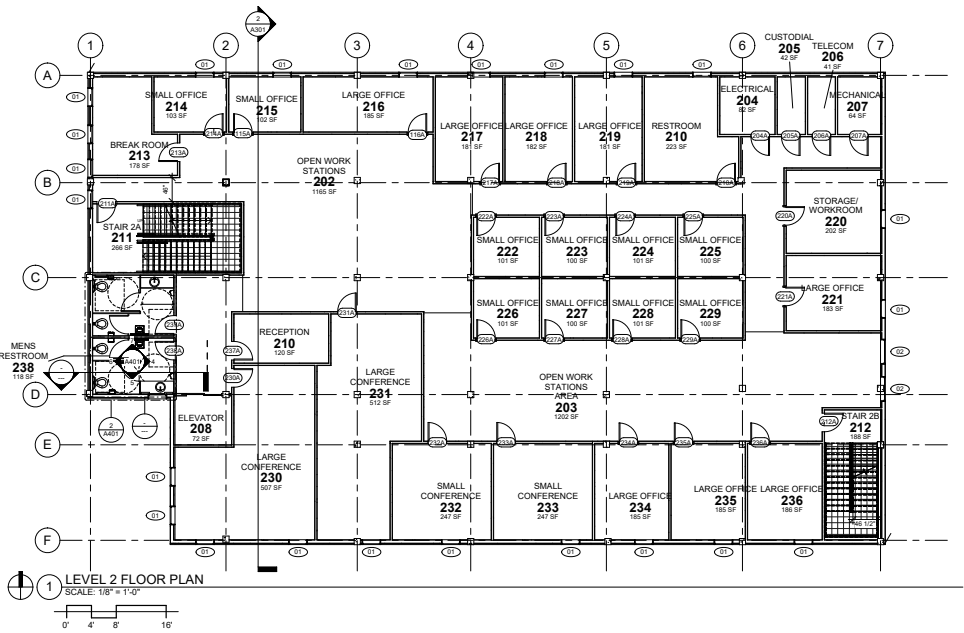
FLOOR -1 BASEMENT SCALE 1" = 18"



FLOOR 1 SCALE 1" = 18"



FLOOR 2 SCALE 1" = 18"



PLUMBING FIXTURE COUNT PER 2018 IBC TABLE 2002.1.2

LEVEL 2						
OCCUPANCY GROUP	OCCUPANCY LOAD	WATER CLOSETS E I M	LAVATORIES E I M	DRINKING FOUNTAINS	SERVICE SINK	
BUSINESS	63	1 PER 25 (1ST 50) 2 1 PER 50 (REMAIN. 13) 0.26 TOTAL = 2.26	1 PER 40 (1ST 80) 1.25	1 PER 100 0.63	1 SINK	
TOTAL	REQUIRED PROVIDED	2.26 = 3 4	1.575 = 2 2	0.63 = 1 1	1 SINK 1 SINK	

GENERAL NOTES
CLEAR SPACE DIMENSIONING METHOD USED

KEYNOTES

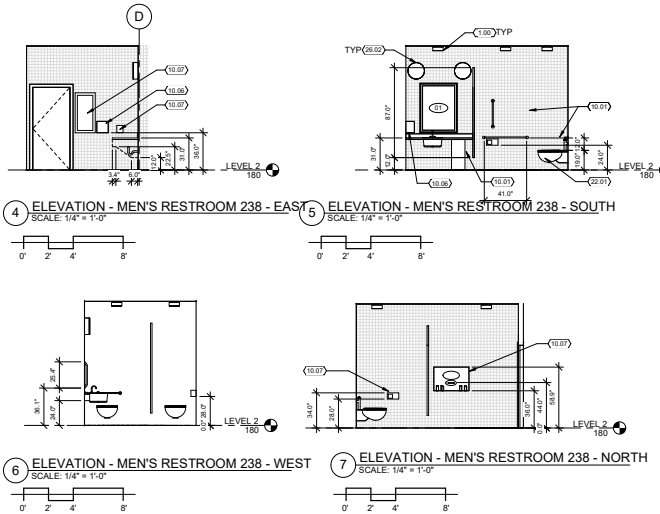
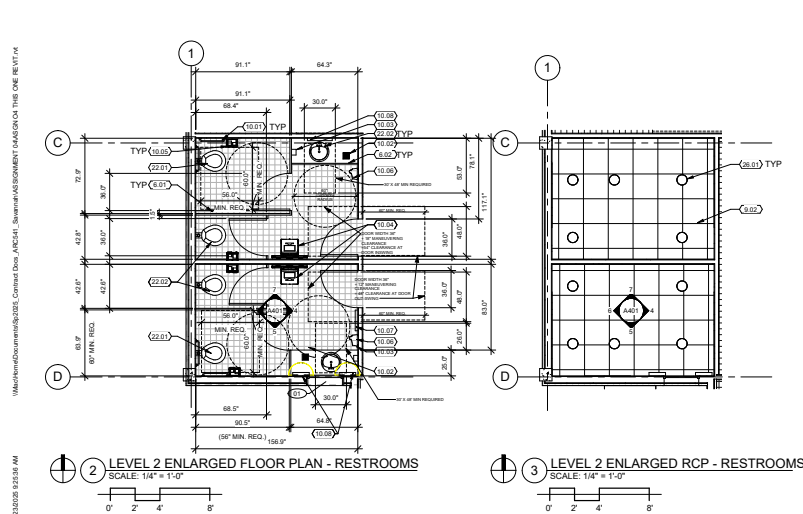
- 6.01 1 1/2" POWDER-COATED STEEL PARTITION WALL
- 6.02 VANITY COUNTER TOP W ROUND SINK HOLE AT 24" DEPTH
- 9.01 6" X 6" CERAMIC FLOOR TILE - TYPE + COLOR AS SELECTED
- 9.02 2" X 2" ACT COMPOUND CEILING SYSTEM WITH 58" ACOUSTIC CEILING TILE AT 24" X 24"
- 10.01 2" 1/2" STAINLESS STEEL GRAB BARS AT ACCESSIBLE TOILET - ANCHOR TO SOLID BLKG - SEE ACCESSIBLE MOUNTING DIAGRAMS
- 10.02 ACCESSIBLE UNDER COUNTER WASTE RECEPTACLE WITH COUNTER CUT-OUT
- 10.03 ACCESSIBLE AUTOMATIC SOAP DISPENSER
- 10.04 BABY CHANGING STATION
- 10.05 TOILET PAPER DISPENSER - 2 ROLL
- 10.06 HAND DRYER
- 10.07 MIRROR WALL MOUNTED 1' 8" X 2' 10"
- 10.08 MIRROR WALL MOUNTED 2' X 2'
- 22.01 ACCESSIBLE WALL MOUNTED TOILET WITH REQUIRED CLEARANCES + CONTROLS - SEE PLBG.
- 22.02 WALL MOUNTED TOILET
- 26.01 10" DIAMETER X 4 1/2" FLUSH-MOUNT LED LIGHT
- 26.02 WALL SCONCE

TAGS

01 WINDOW



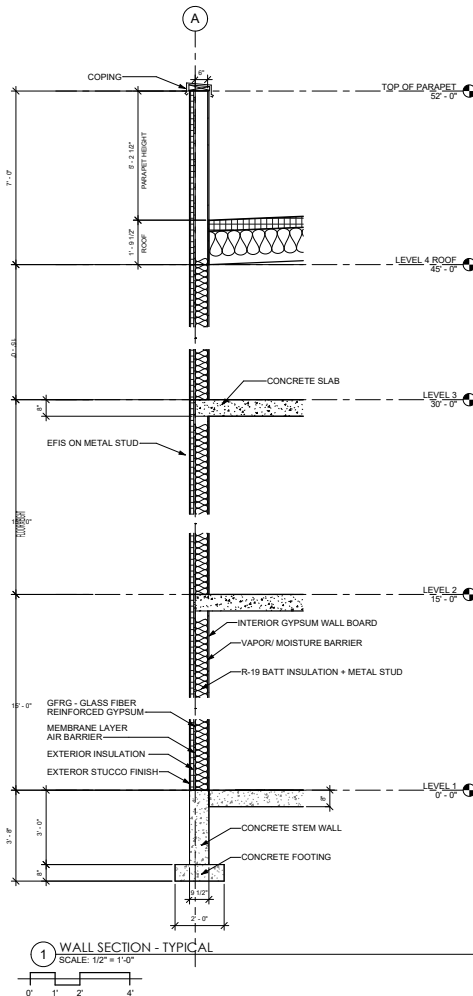
ARC 541
SPRING 2025
INSTRUCTOR: MCDONALD



McBRIDE PLACE
FOR: RUBY LLC
100 W FRANKLIN ST.
TUCSON, AZ 85701

A401
ENLARGED PLAN
& INTERIOR ELEVATIONS
DRAWN BY: ANNA LIISA CHESHIRE

SUBMISSION: ASSIGNMENT 04
DATE: 04.22.2025
REVISIONS
NO. DATE ISSUE



ARC 541
SPRING 2025
INSTRUCTOR: MCDONALD



McBRIDE PLACE
FOR: RUBY LLC
100 W FRANKLIN ST.
TUCSON, AZ 85701

A502
WALL SECTIONS DETAIL
DRAWN BY: ANNA LIISA CHESHIRE

SUBMISSION: ASSIGNMENT 05 - FINAL SET
DATE: 05.07.2025
REVISIONS
NO. DATE ISSUE

Thank you for your consideration.

Anna Liisa Cheshire

cheshire23@arizona.edu

510-978-1092

Tucson, AZ - Seattle, WA

Anna Liisa Cheshire