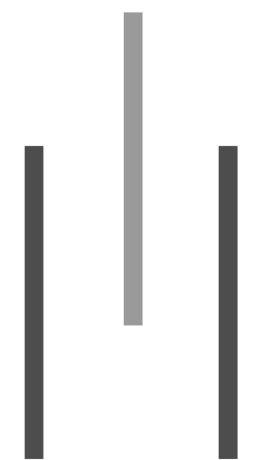




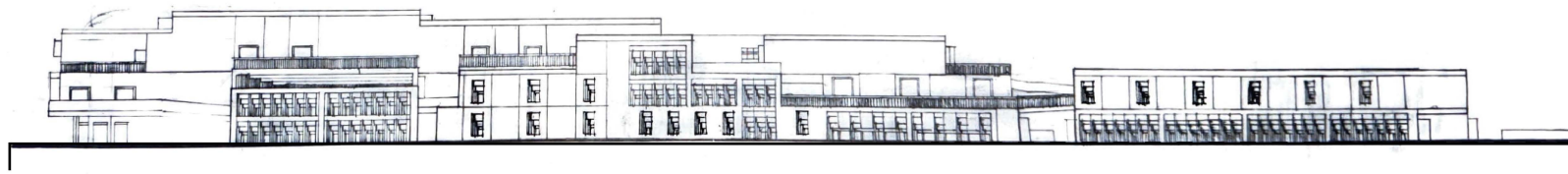
# ARCHITECTURE PORTFOLIO



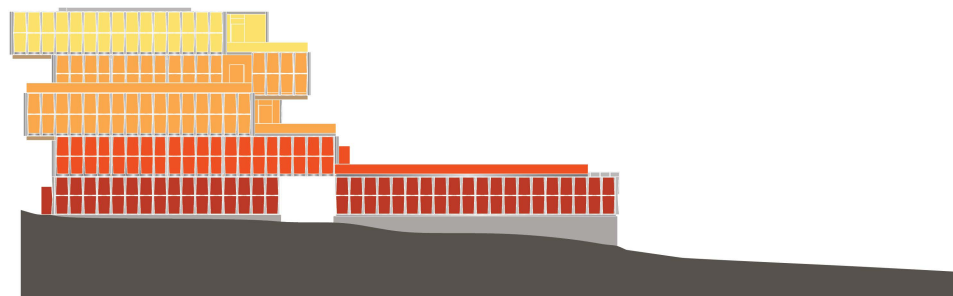
AKASH MISHRA

Architecture was not my first choice, It was not intuitive to me. For a majority of my academic career I was invested in one thing only; art. I treated it both as an expression of patterns within myself and my environment. When I created a work of art, I first sat with a blank canvas in front of me and drew lines and patterns on the clean fabric with just my hands. Tracing the outlines of whatever vision I had in my head. I took the tools for the appropriate medium and scraped the canvas with them as well, refining the details of my vision, filling in the untouched void with gestures of movement to piece together the whole. After fully using the air and my eyes to plot out my piece I add the medium and play a relentless game of push, pull and shade until I know I have fully realized whatever image I plotted out in my head. My desire to create art is what led me to form my way of thinking; relying more on my hands than my head. Hands which consistently find patterns in their observed environment and obsess over them until a piece is realized. I try to apply this method of creating works to architecture. I begin by looking at the blank site and its surrounding context, and let my hands follow existing paths and curves of topography and define my observed boundaries. I then hand drawn to fill the void between observed boundaries and the vision of the final realized building in my head. In both I learn to trust my intuition's ability to find patterns and build upon them until the project is realized.

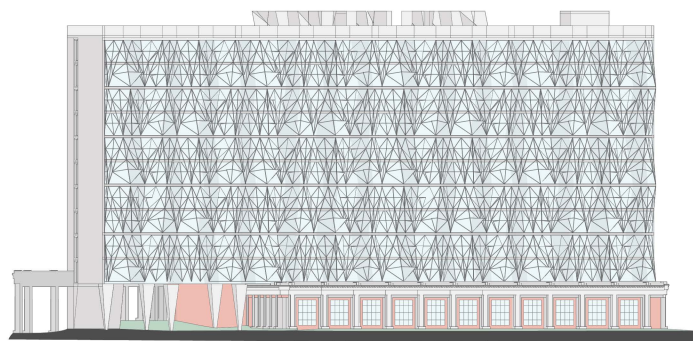




**THE LAYERS OF VENICE**  
ART MUSEUM



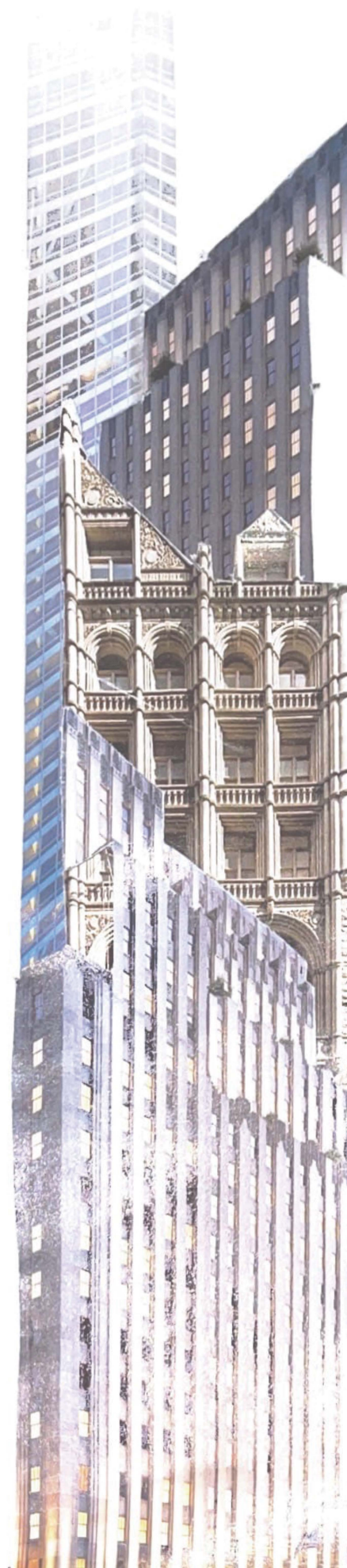
**THE LOFTED SUN**  
EDUCATIONAL SPACE



**SCUTOIDAL COMMUNITY**  
RESIDENTIAL SPACE



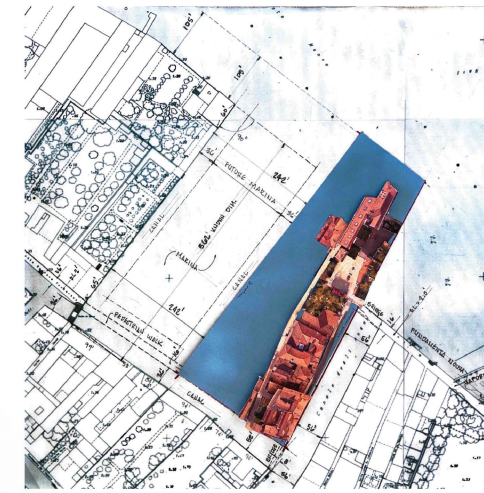
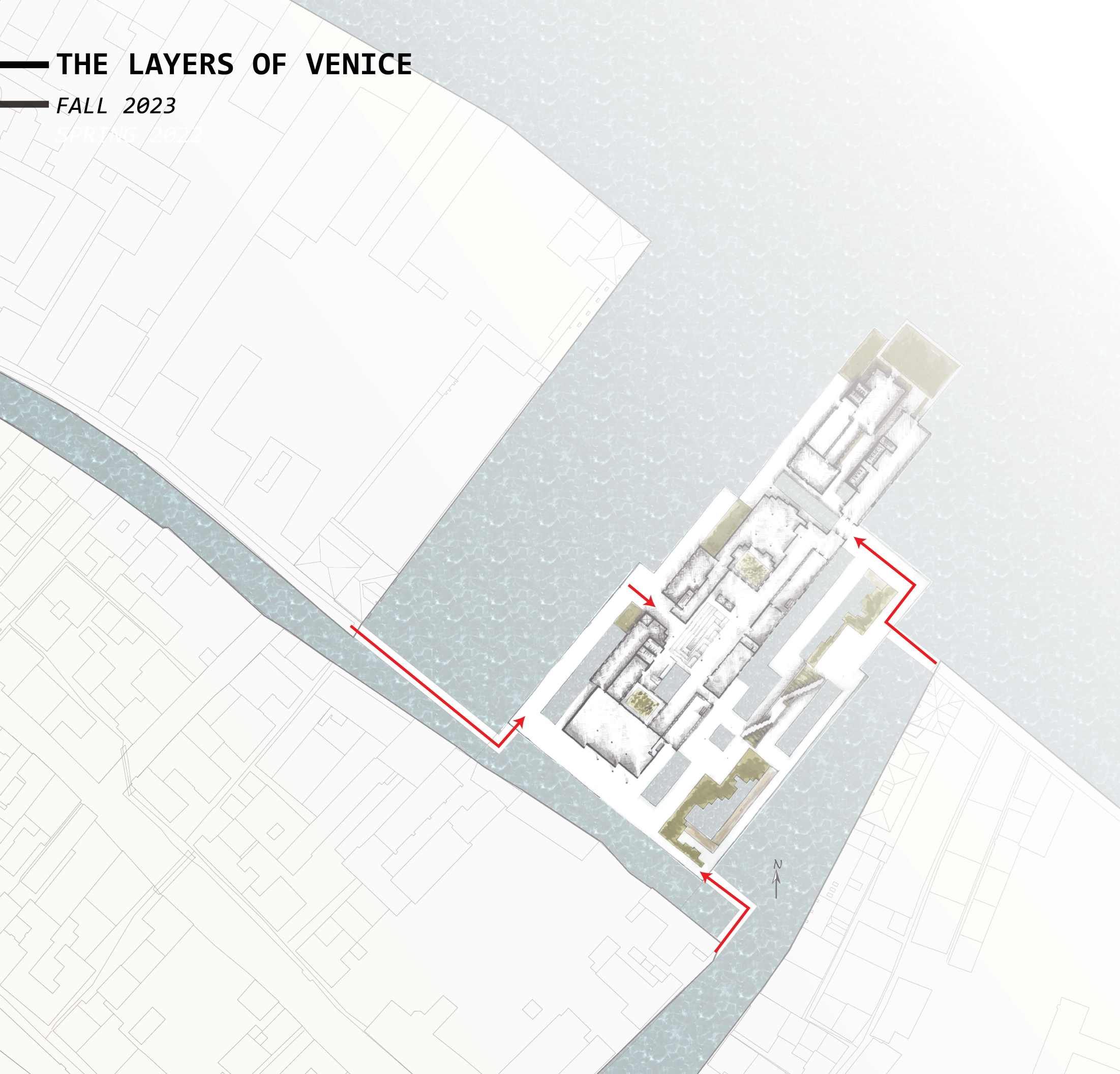
**THE SIGHTLINE**  
ENVIORNMENTAL CENTER



# THE LAYERS OF VENICE

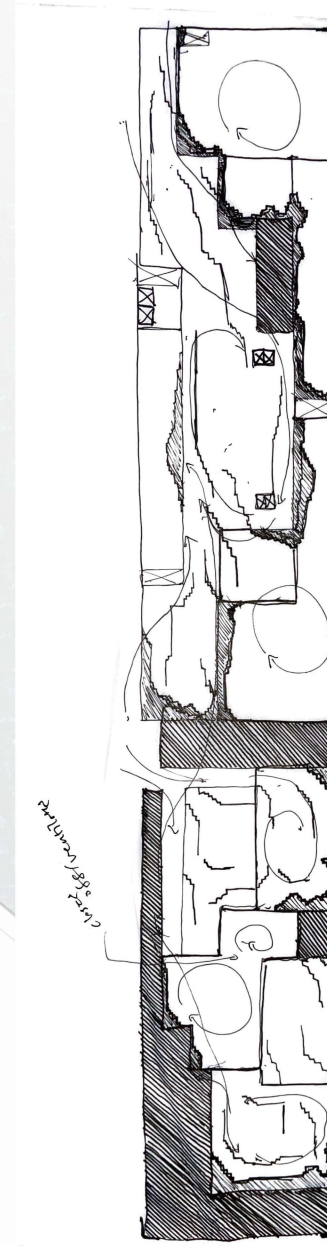
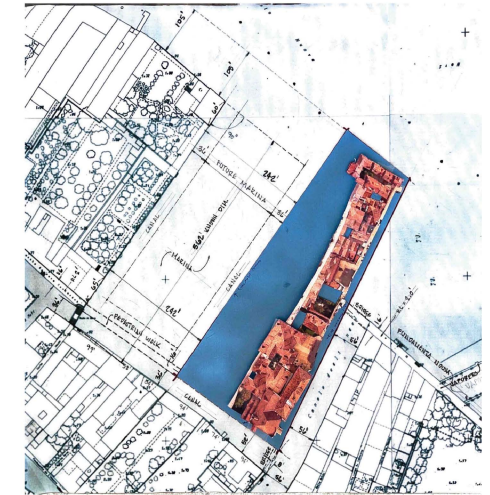
FALL 2023

SPRING 2022



LAYERED AND COLLAGED STRIPS OF VENETIAN CONTEXT ARRANGED WITHOUT ORGANIZED CIRCULATION

LAYERED AND COLLAGED STRIPS OF VENETIAN CONTEXT ARRANGED TO HAVE OPEN CIRCULATION



BUILDING FLOW



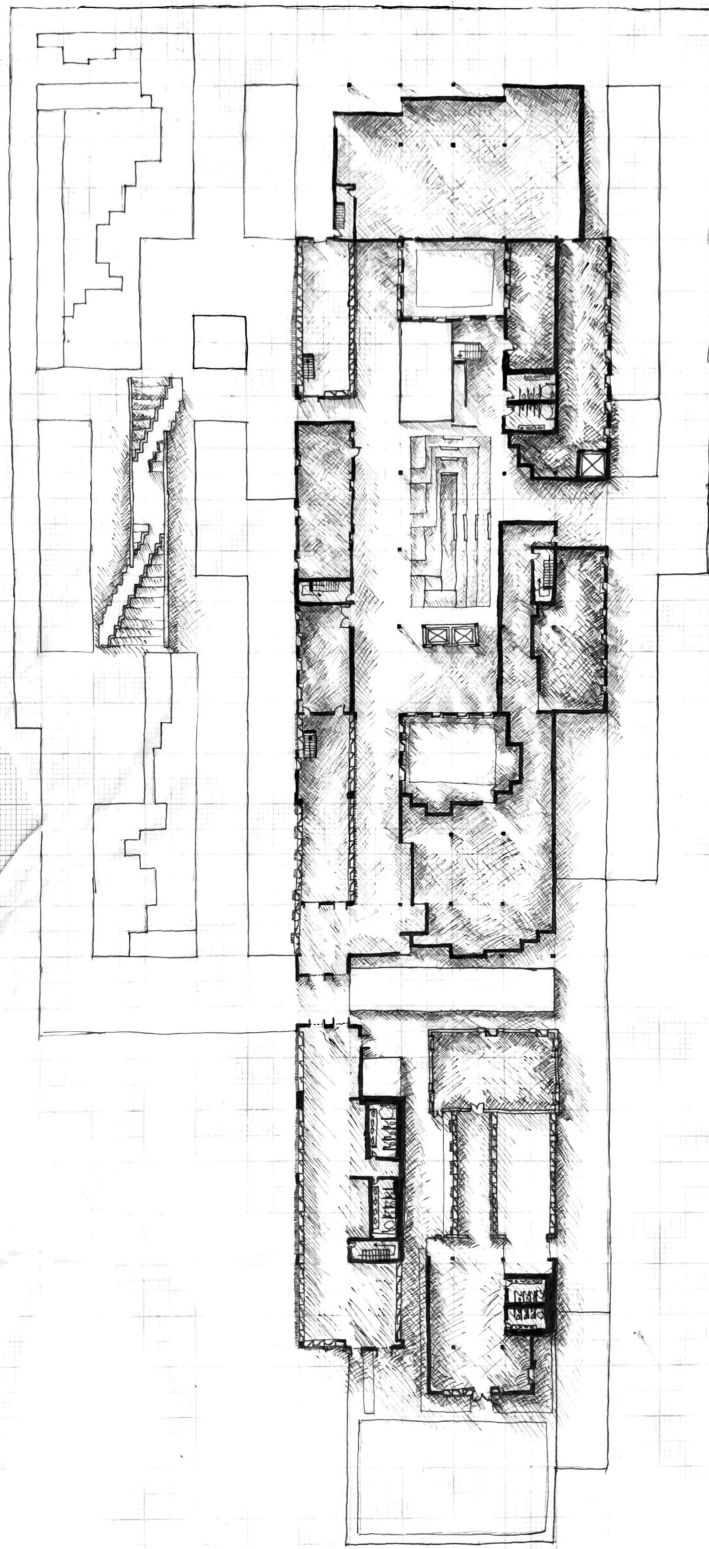
Building in Section A-A  
air enters  
air exits  
air goes through cross and makes a convection cell in cross space between

SKETCHES FOR DESIRED AIRFLOW AND SITE'S RELATIONSHIP TO WATER EROSION

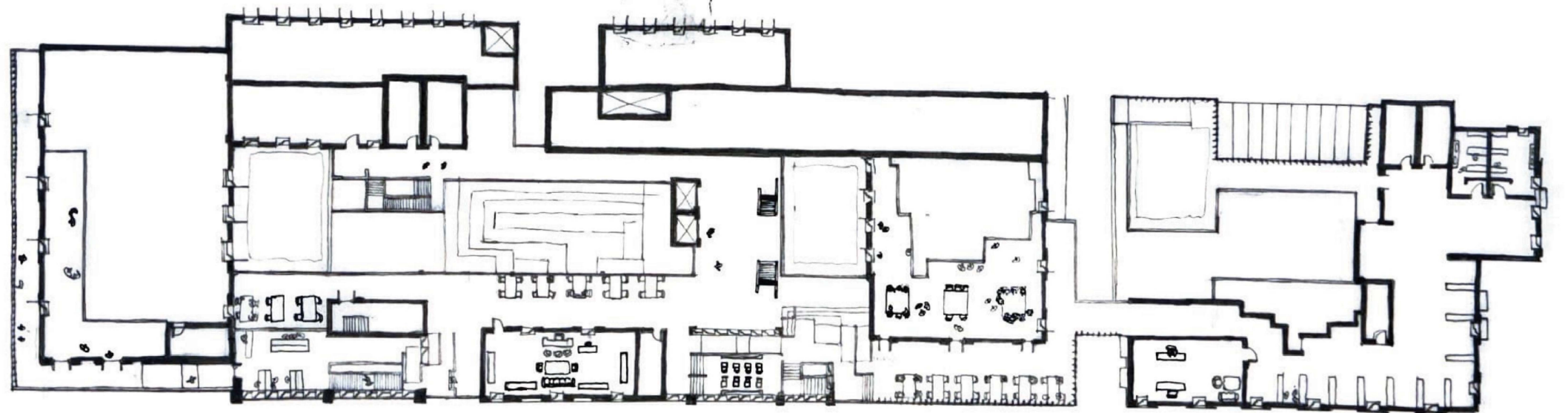


water erodes base first than the walls - how slow

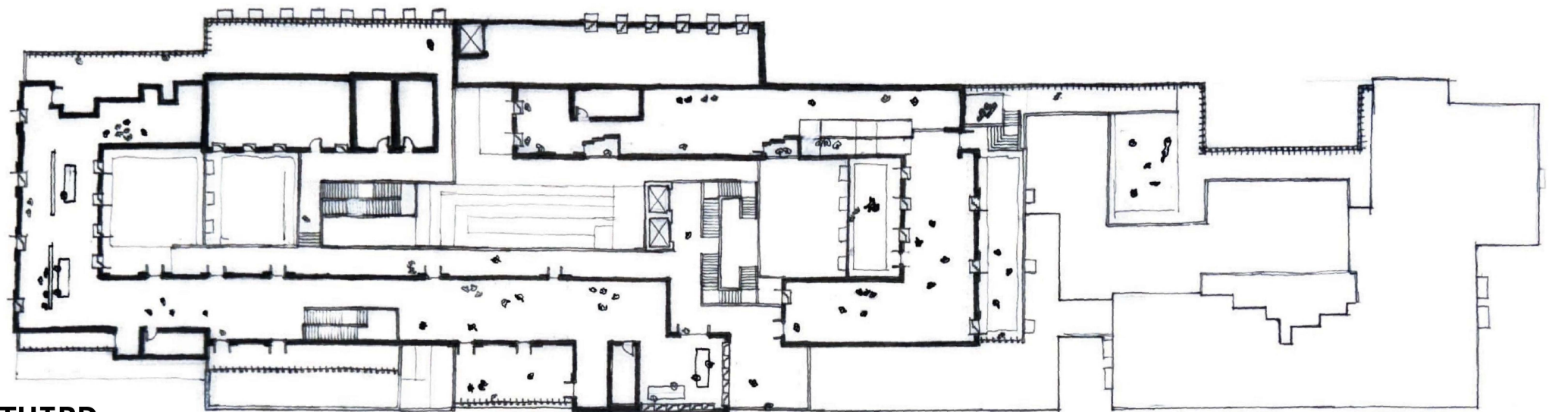
SITE PLAN



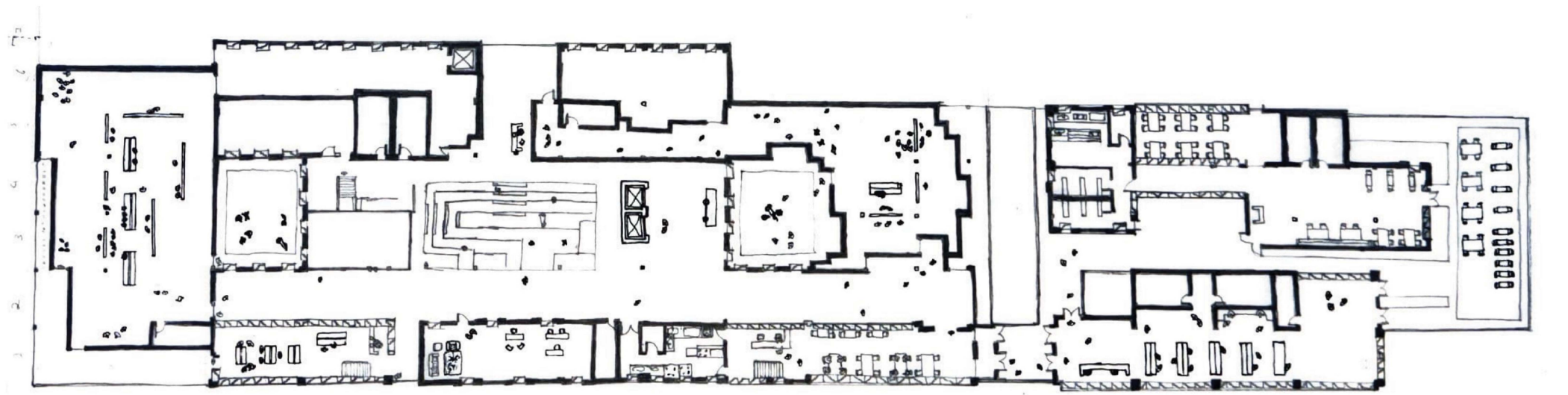
GROUND



SECOND



THIRD





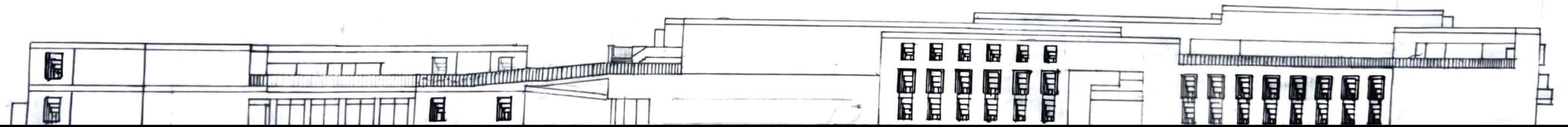
SOUTH



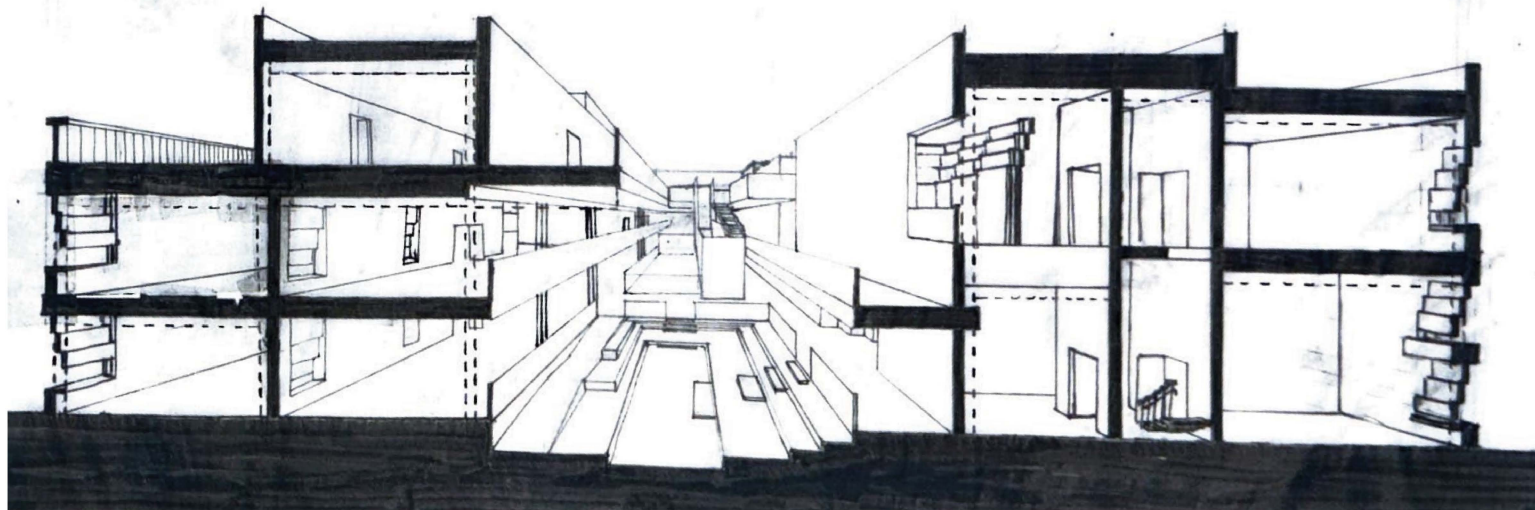
WEST



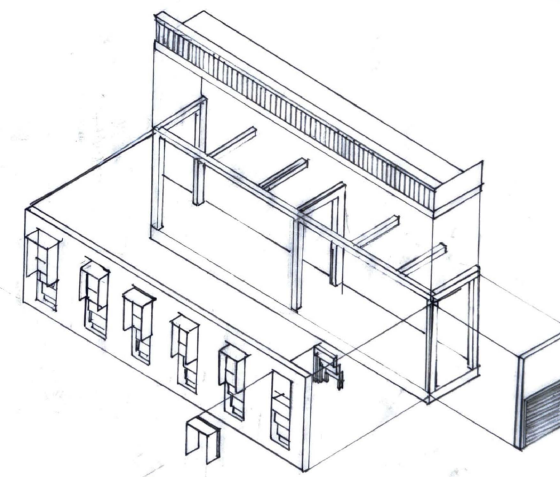
NORTH



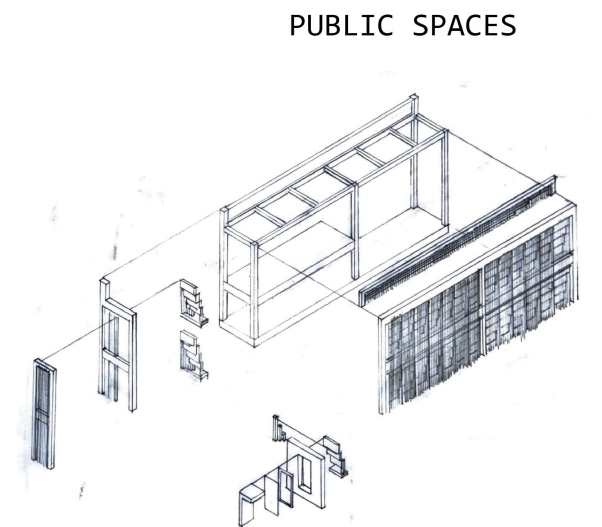
EAST



TRANSVERSE SECTION PERSPECTIVE

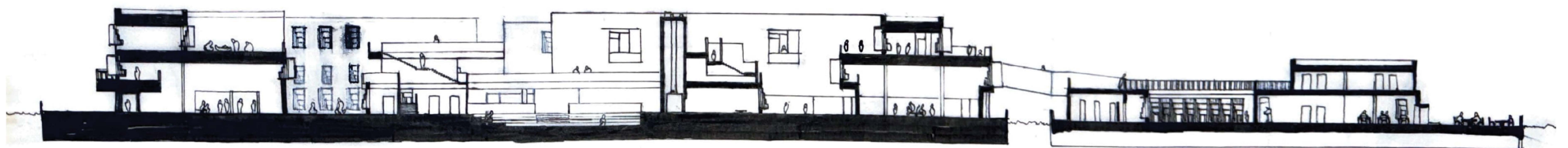


PRIVATE SPACES

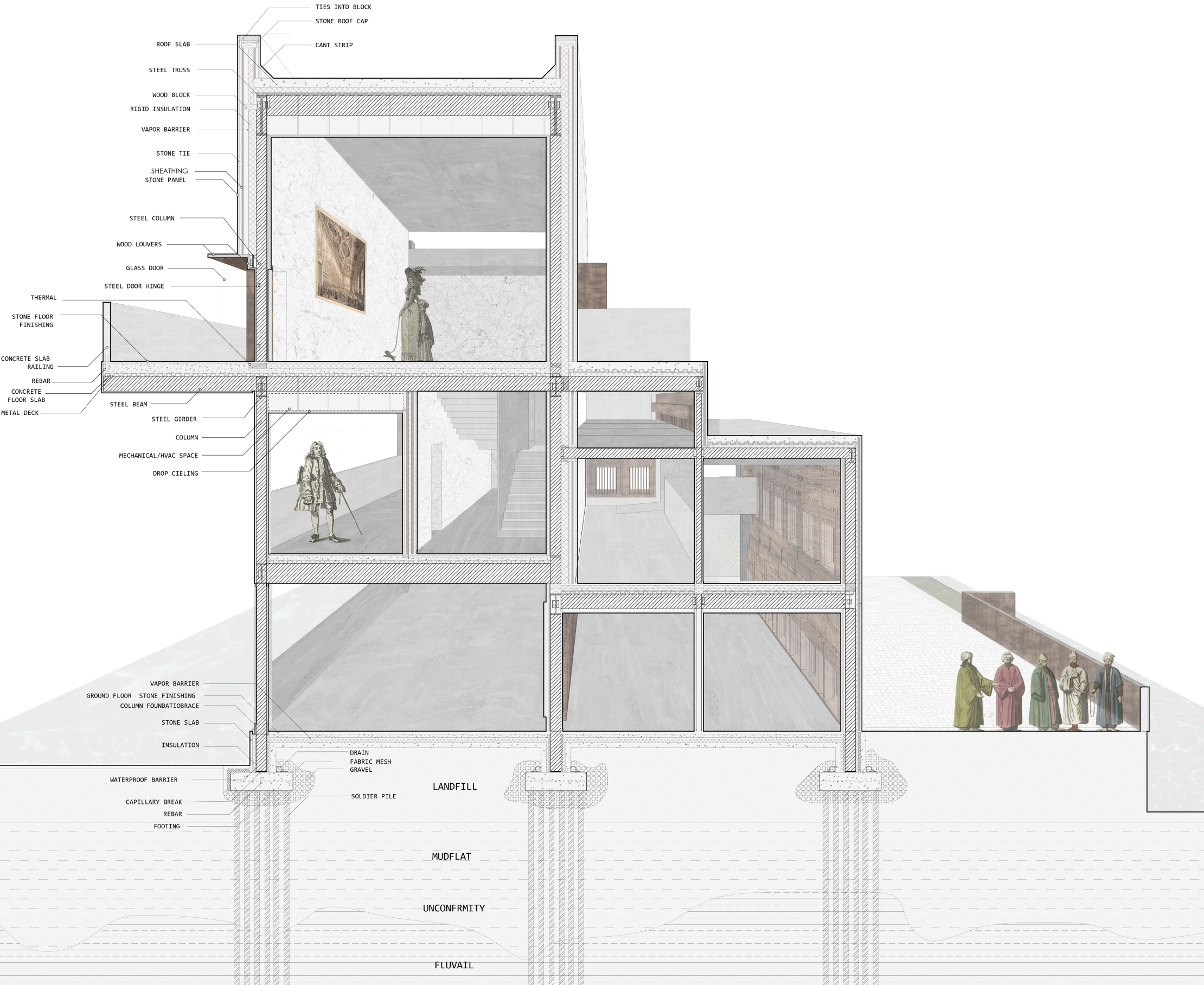


PUBLIC SPACES

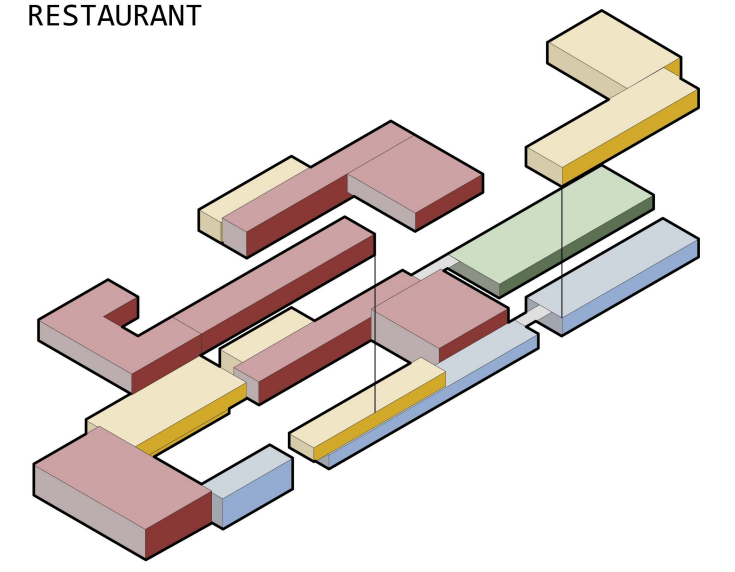
APERATURE LOUVER SYSTEM



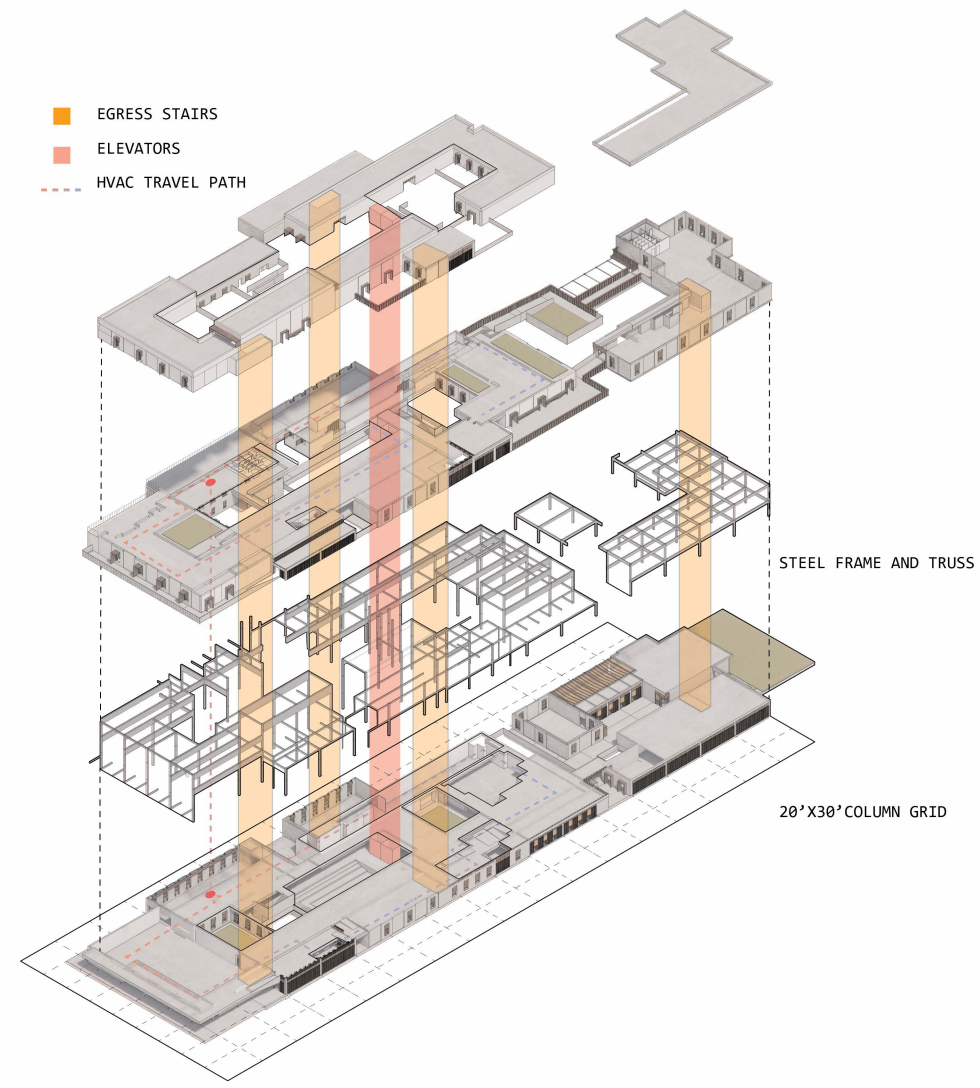
LONGITUDINAL SECTION

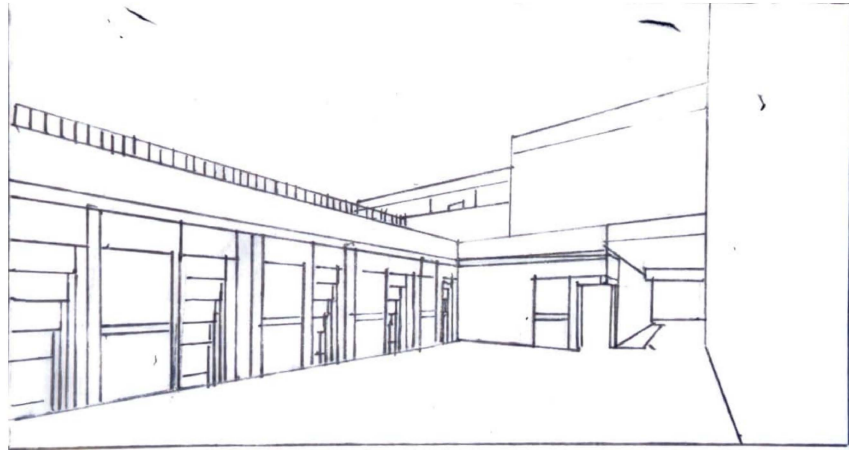


- GALLERIES
- PRIVATE
- PUBLIC - TRATTORIA
- RESTAURANT

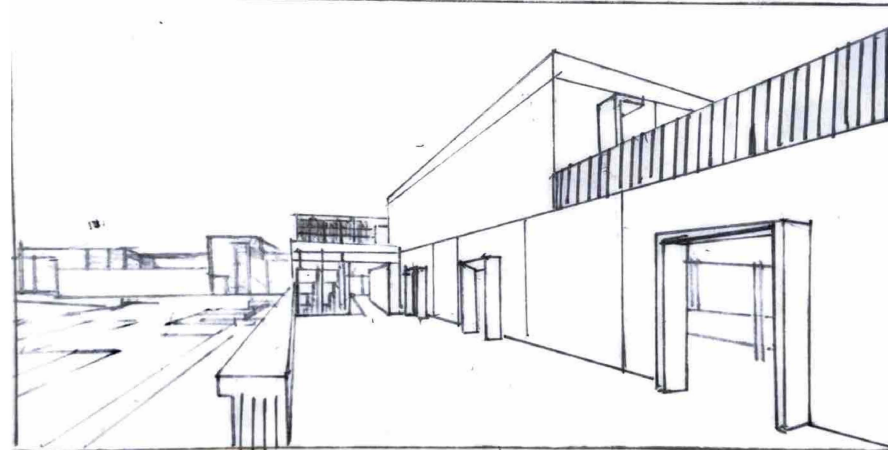


- EGRESS STAIRS
- ELEVATORS
- HVAC TRAVEL PATH

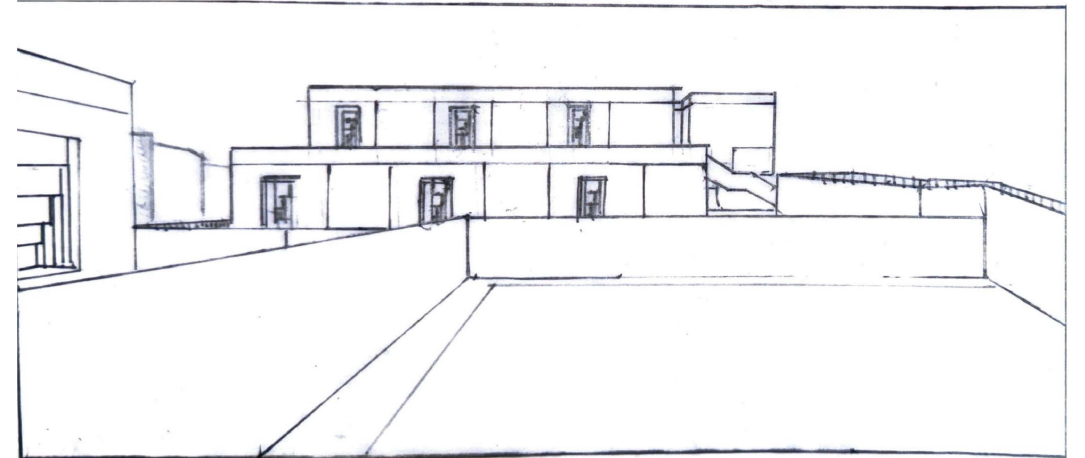




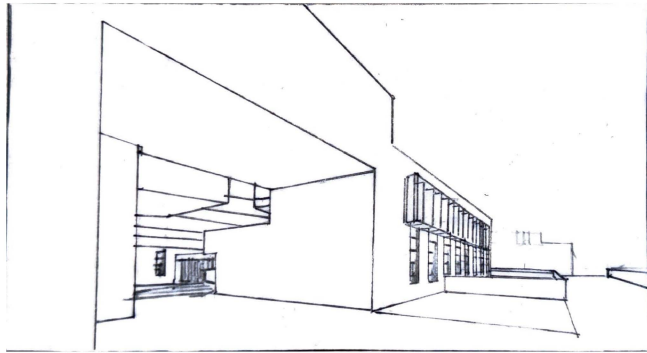
RESTAURANT



TRATTORIA OUTDOOR SEATING

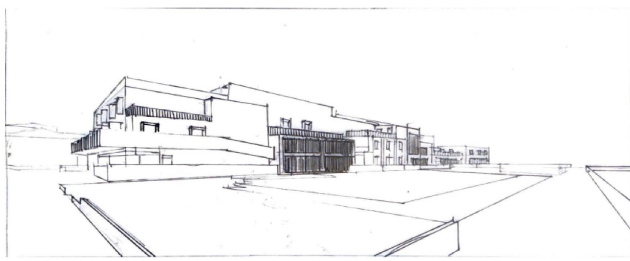
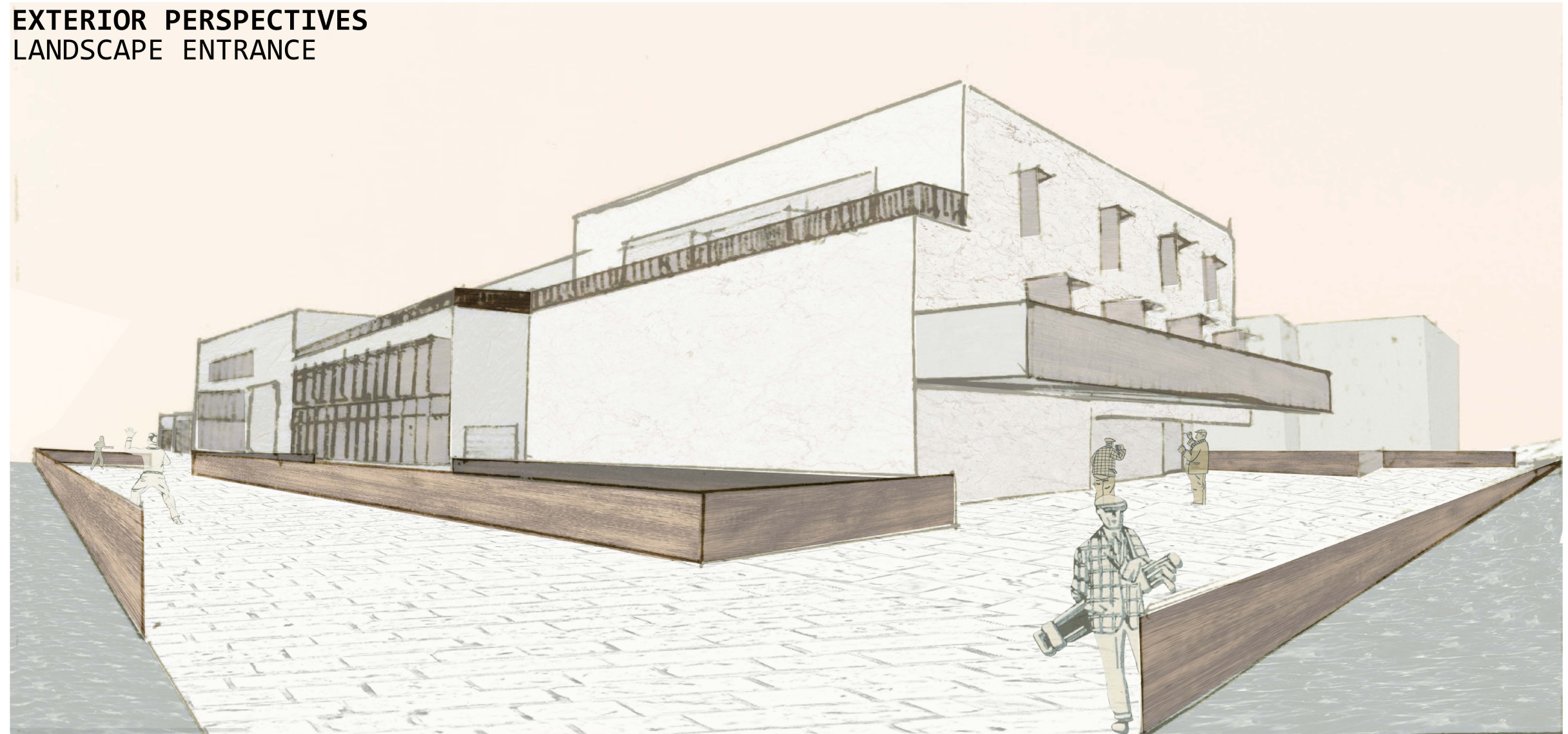


EXTERIOR COURTYARD

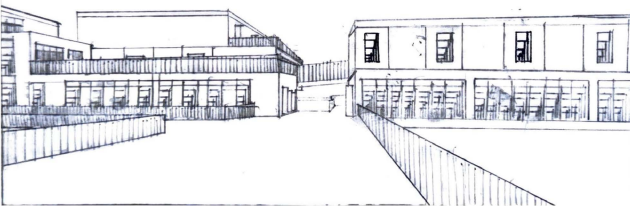


MARINA SIDE ENTRANCE

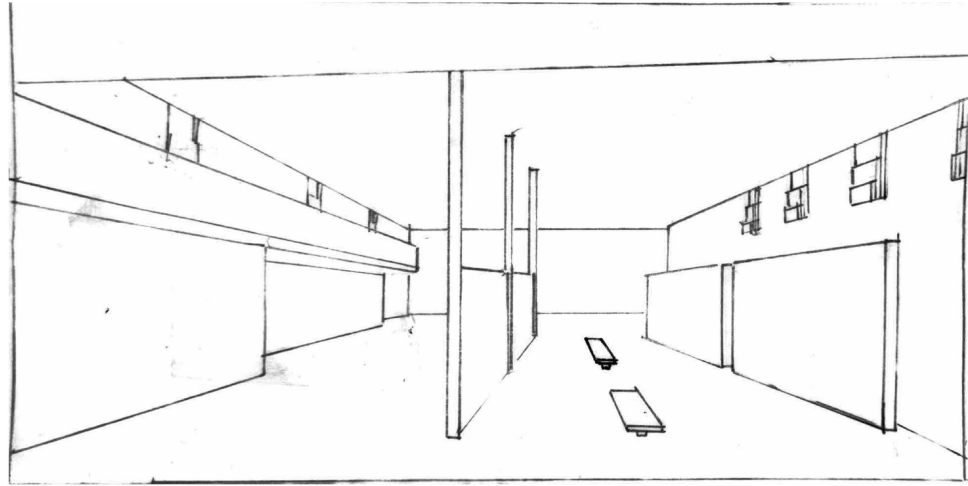
**EXTERIOR PERSPECTIVES**  
LANDSCAPE ENTRANCE



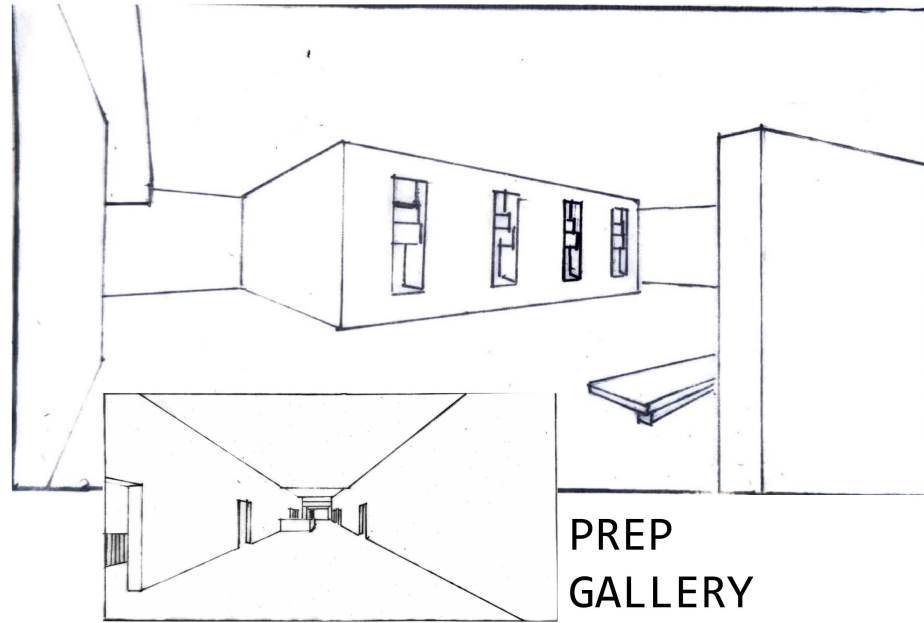
CAMPO ENTRANCE



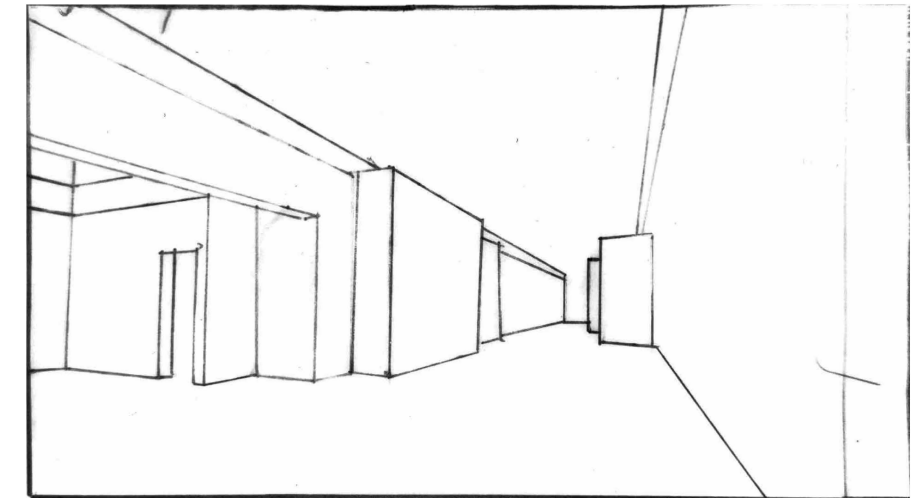
SECONDARY ENTRANCE



SKETCH GALLERY

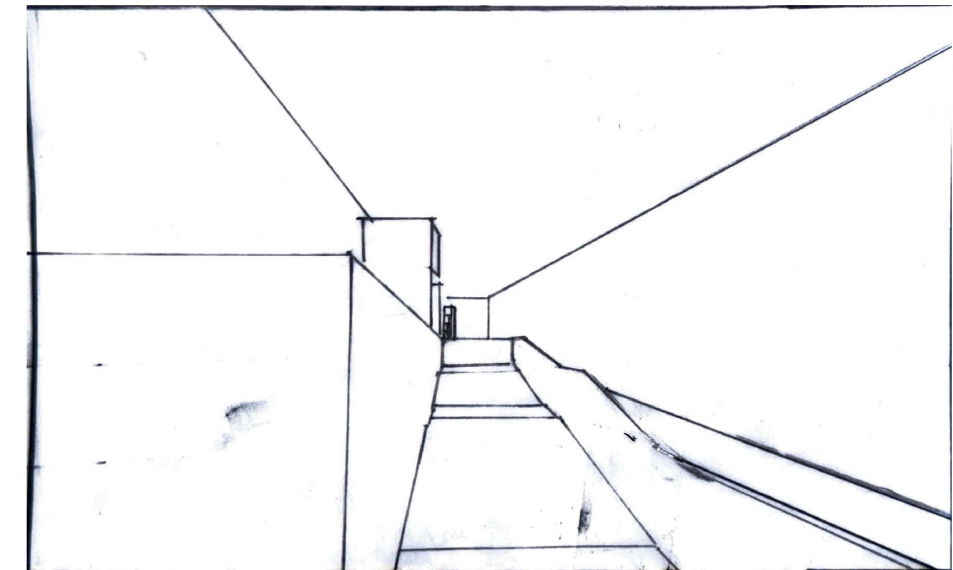


PREP  
GALLERY

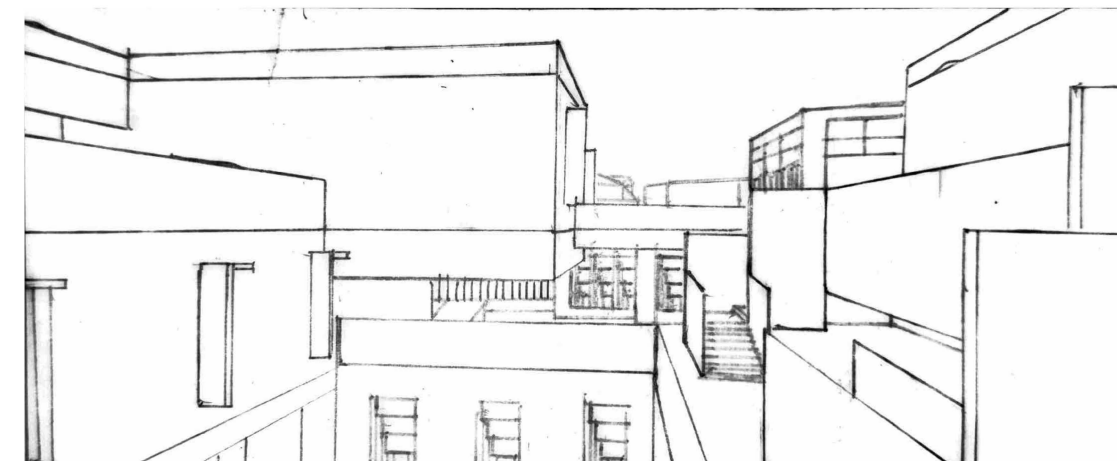


ETCHING AND PRINTS GALLERY

**INTERIOR PERSPECTIVES**  
PORTEGO VIEW - BALCONY



PAINTINGS FINAL GALLERY



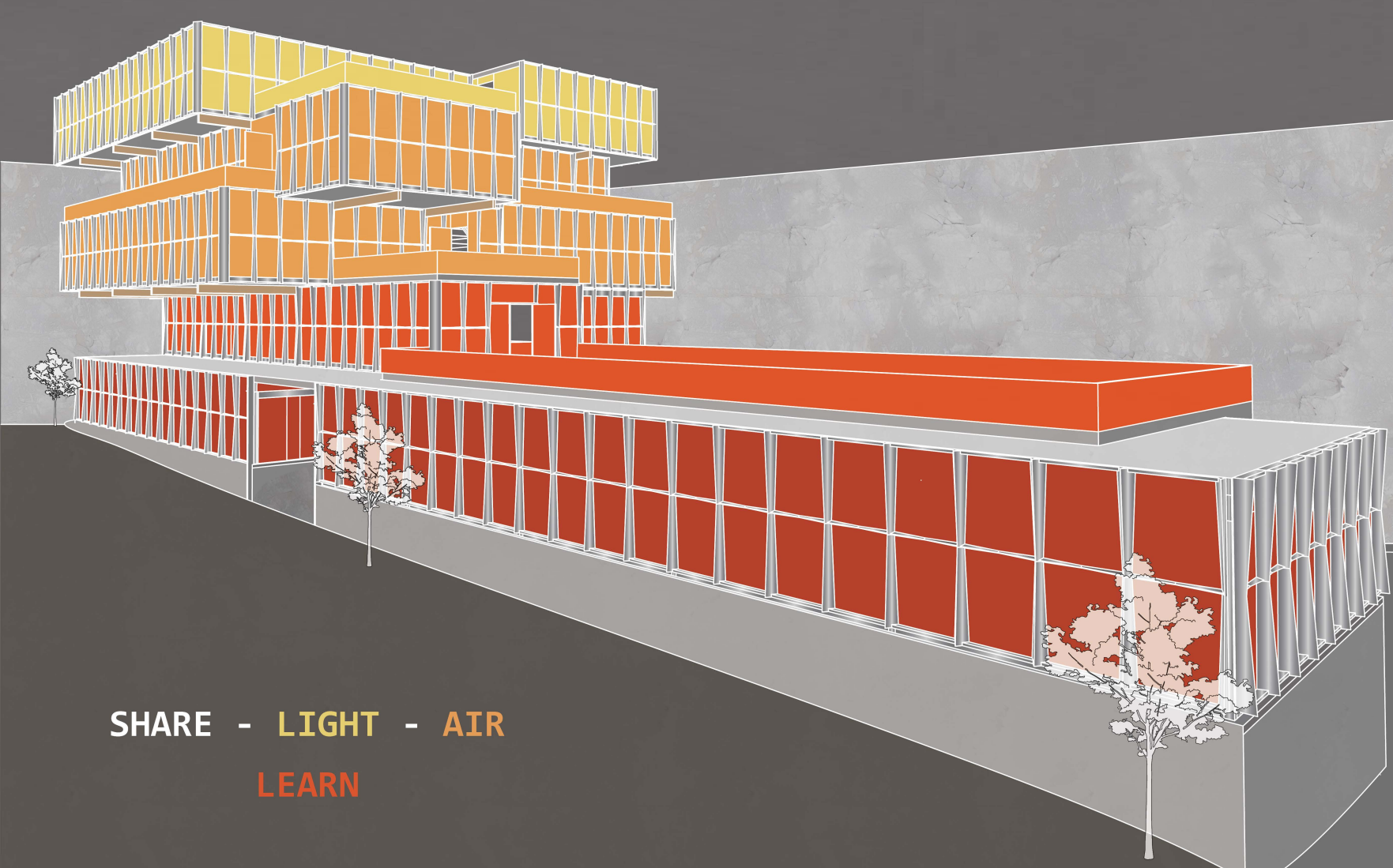
COURTYARD VIEW - BALCONY

# THE LOFTED SUN

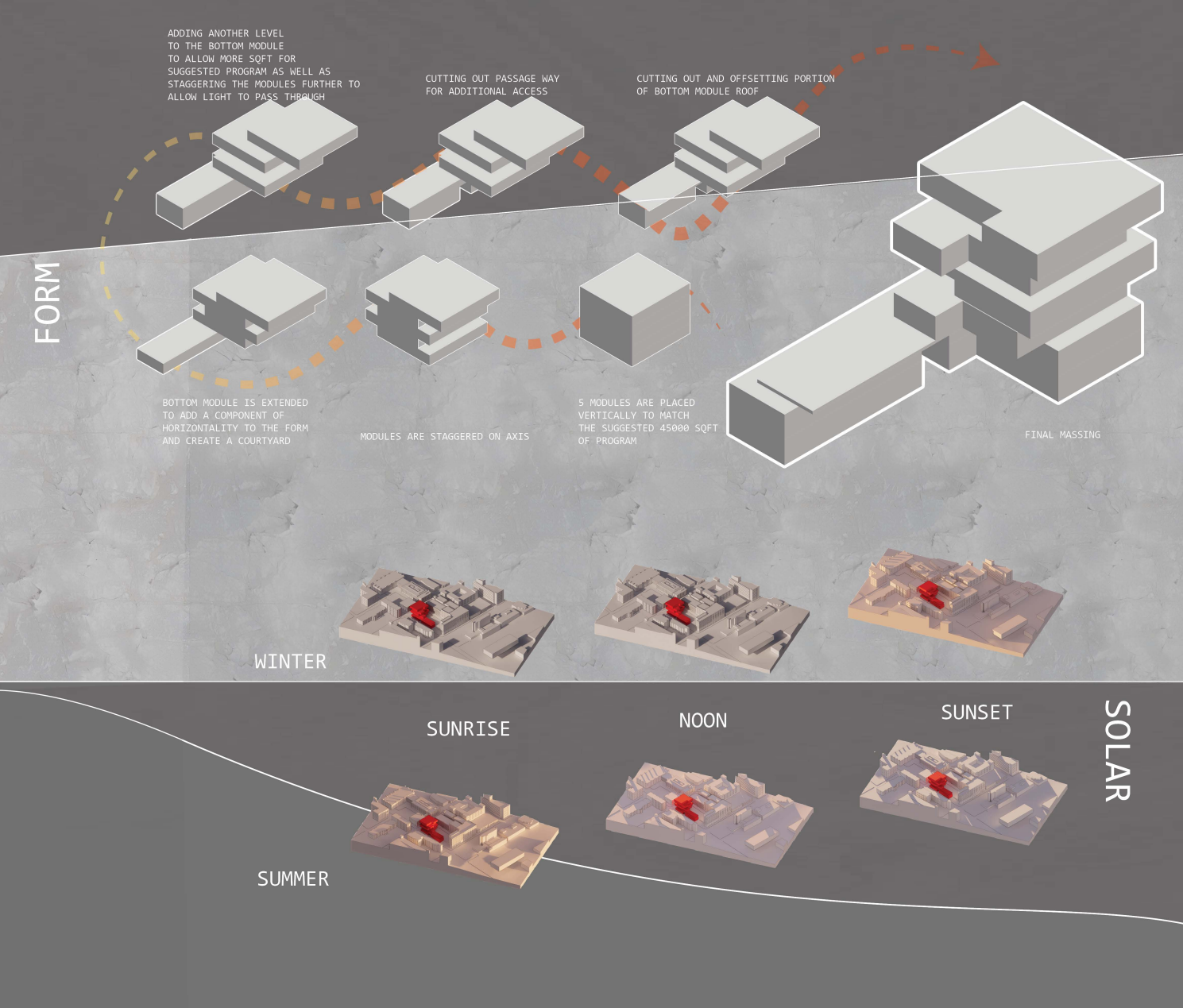
SPRING 2022

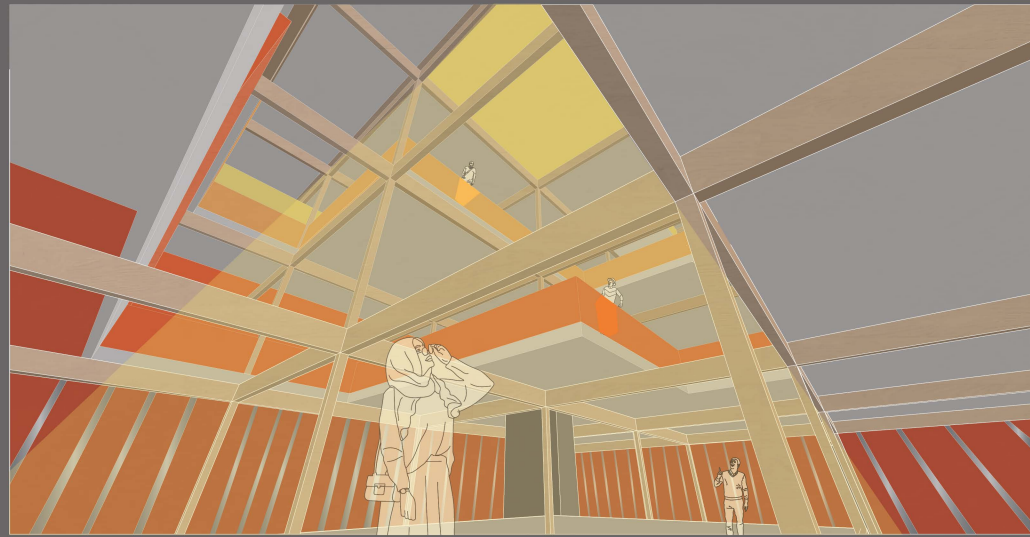


## PLANS



SHARE - LIGHT - AIR  
LEARN

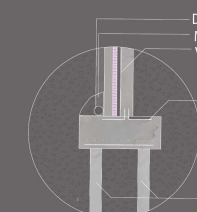
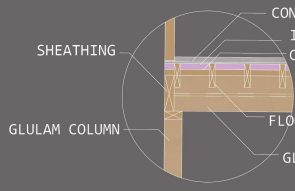
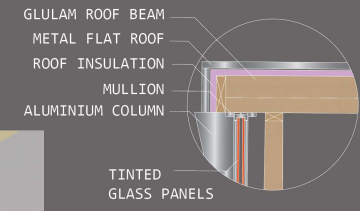




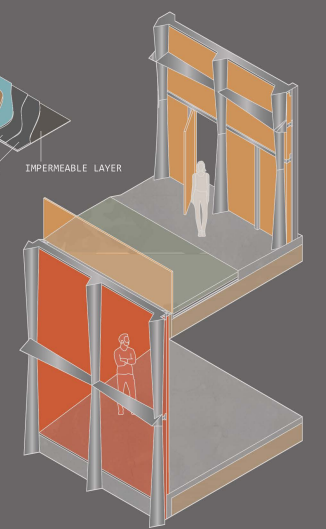
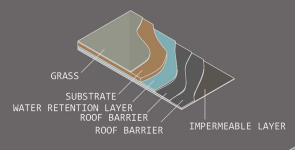
INTERIOR



EXTERIOR



DETAILS



AXONOMETRIC

PERSPECTIVES

TECHNICAL

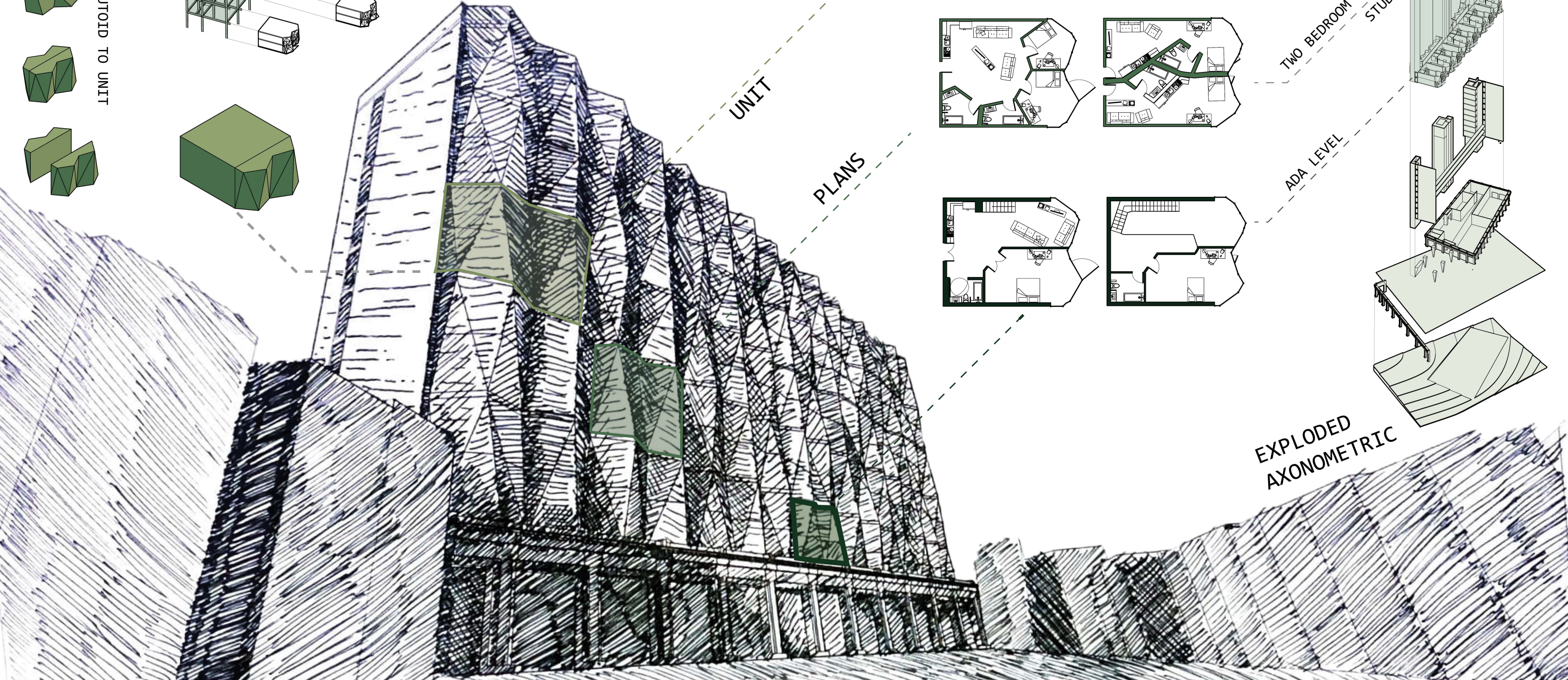
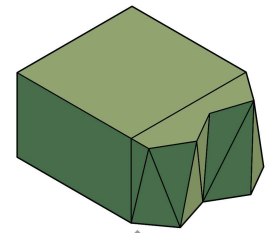
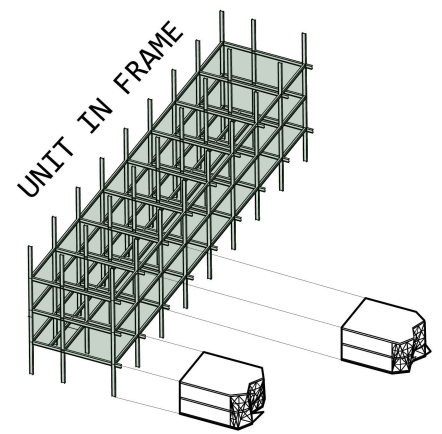
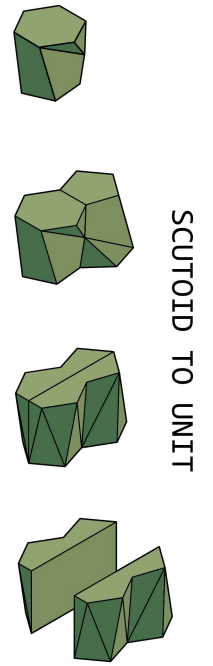
SECTION PERSPECTIVE



# SCUTOIDAL COMMUNITY

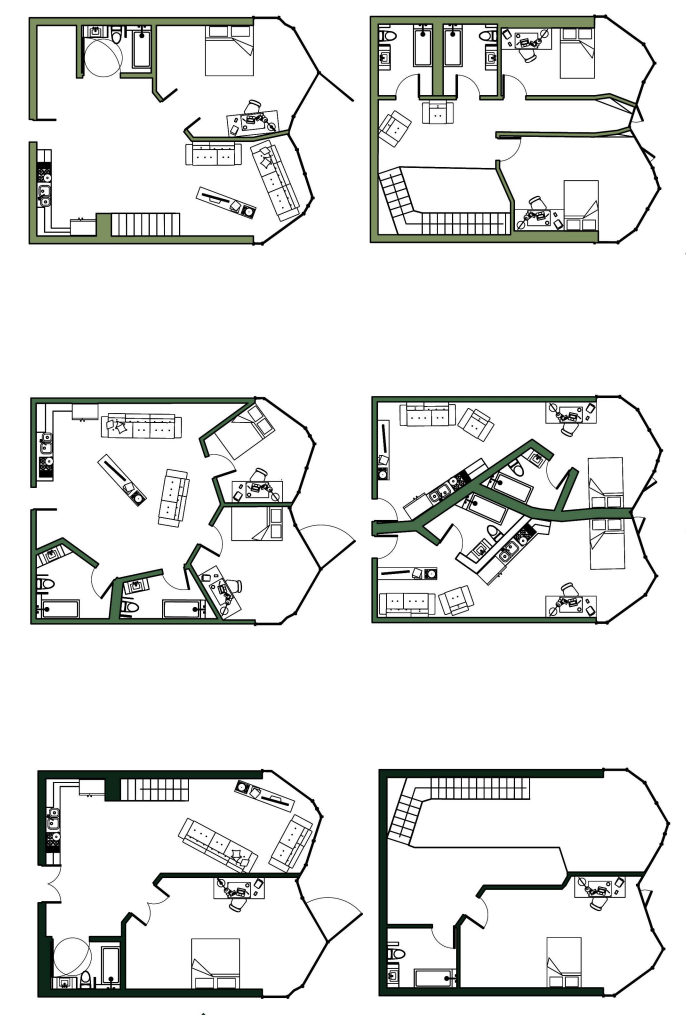
FALL 2022

CELL  
SCUTOID  
UNIT  
LEVEL  
APARTMENT  
COMMUNITY



UNIT

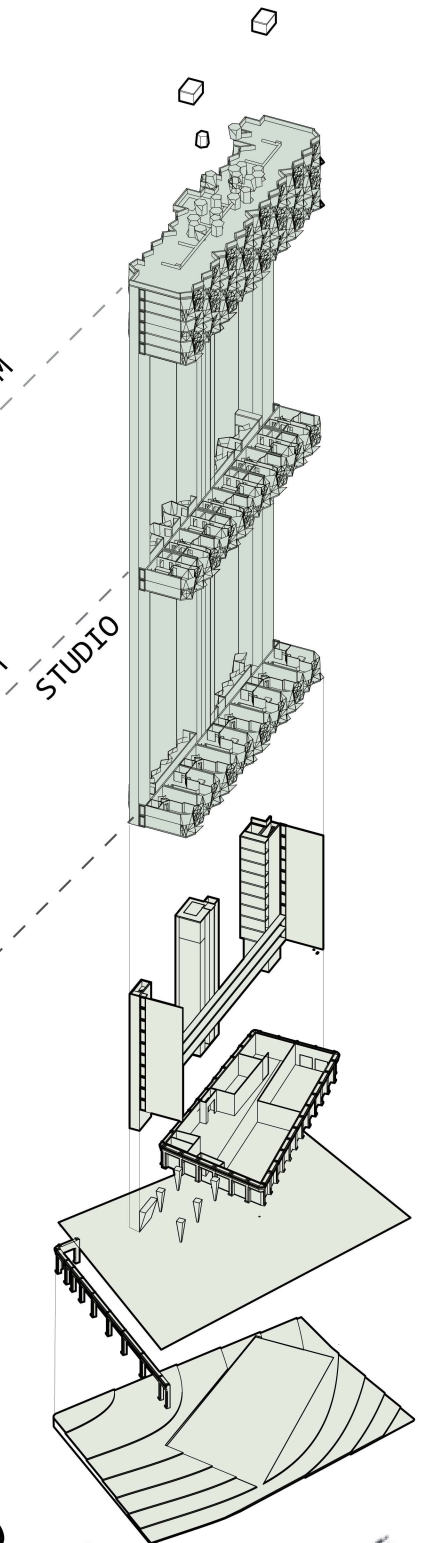
PLANS



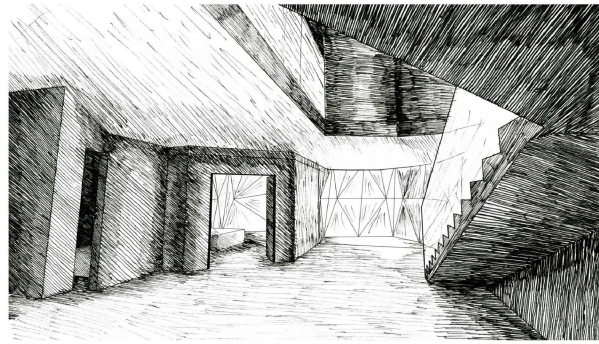
THREE BEDROOM

TWO BEDROOM

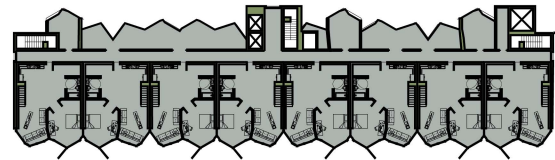
ADA LEVEL



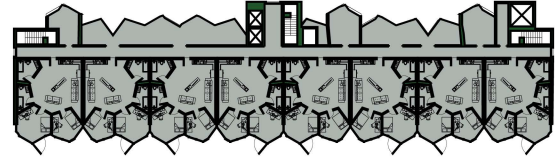
EXPLODED AXONOMETRIC



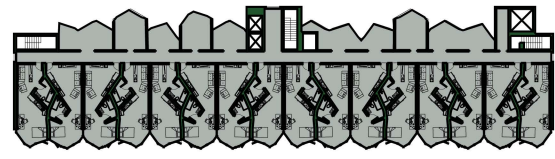
INTERIOR  
THREE BEDROOM



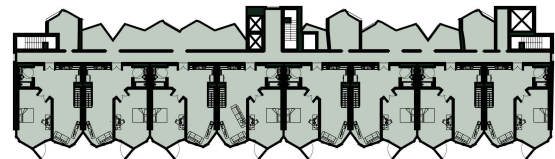
THREE BEDROOM



TWO BEDROOM



STUDIO



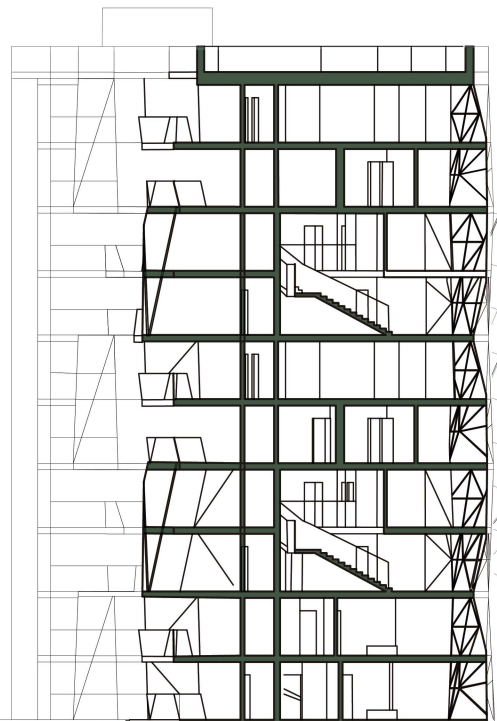
ADA

LEVEL IS MIRRORED AND  
STACKED TO FIT THE  
SCUTOIDAL MATRIX OF  
THE FACADE

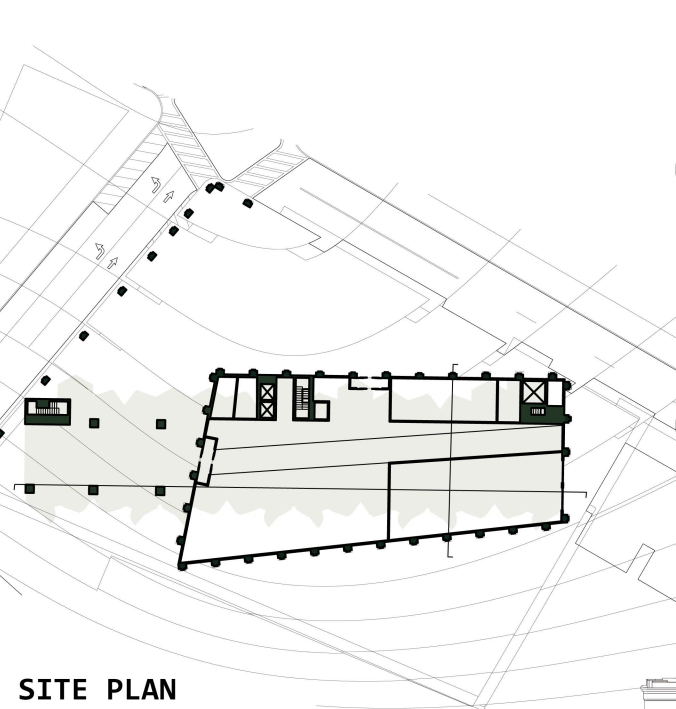
BUILDING LEVELS



BALCONY  
GALLERY SIDE



TRANSVERSE



SITE PLAN

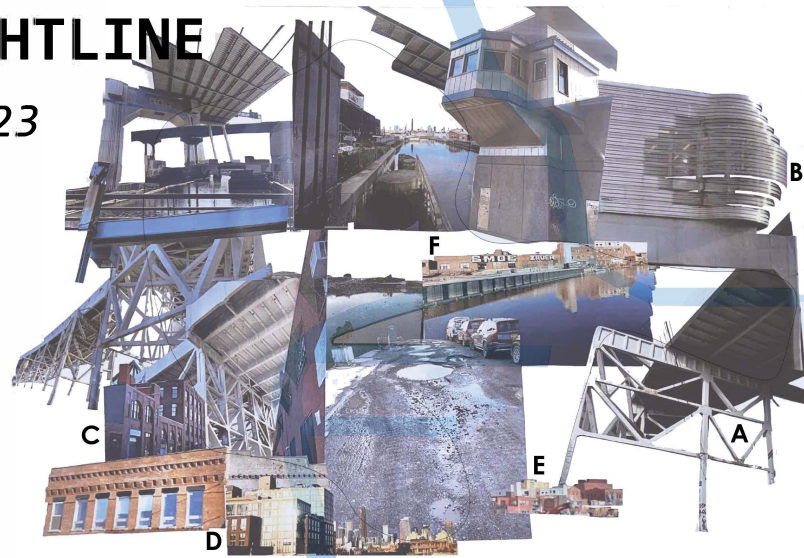


LONGITUDINAL

SECTIONS

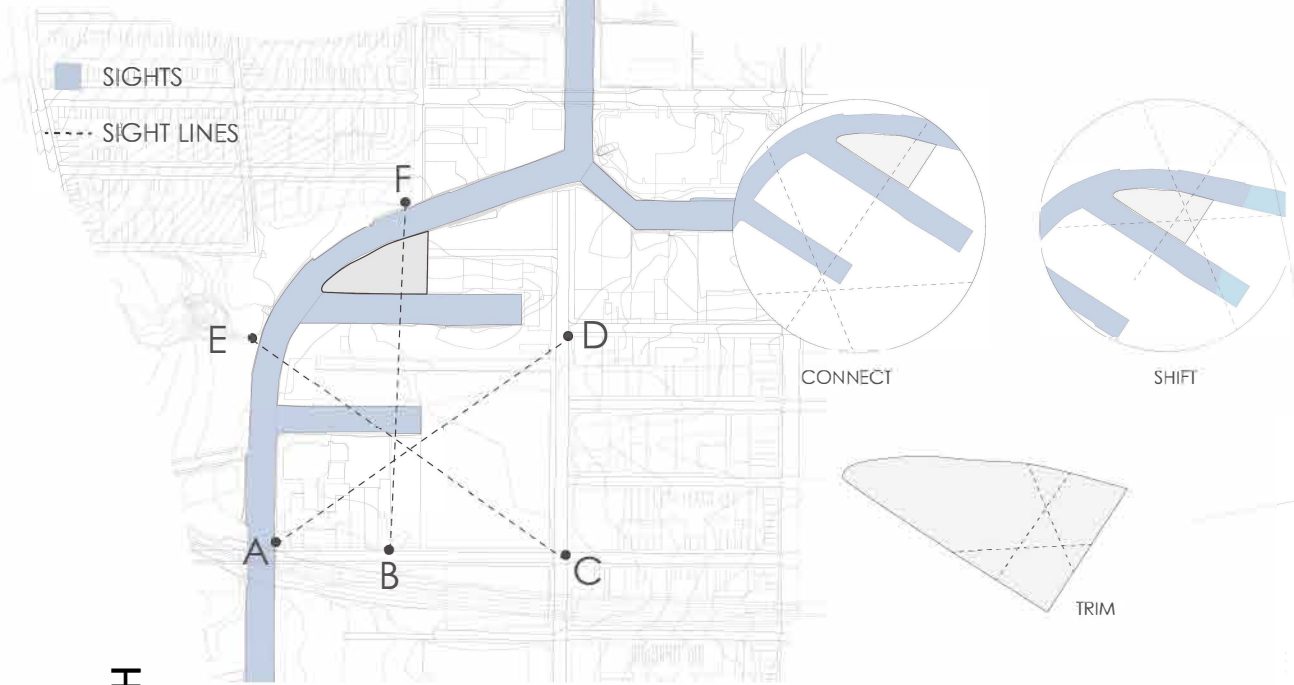
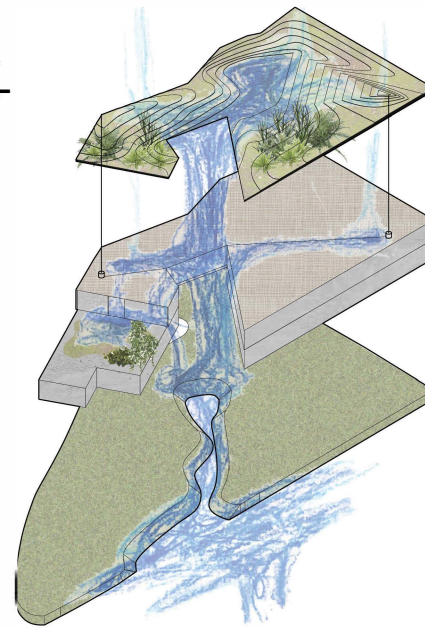
# THE SIGHTLINE

SPRING 2023

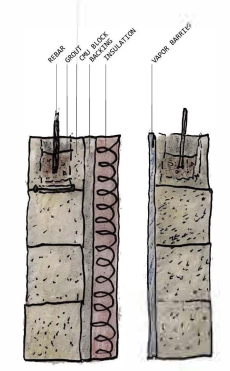
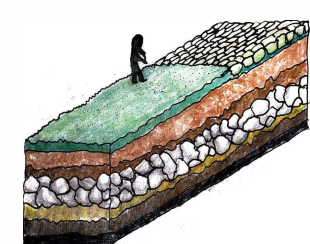
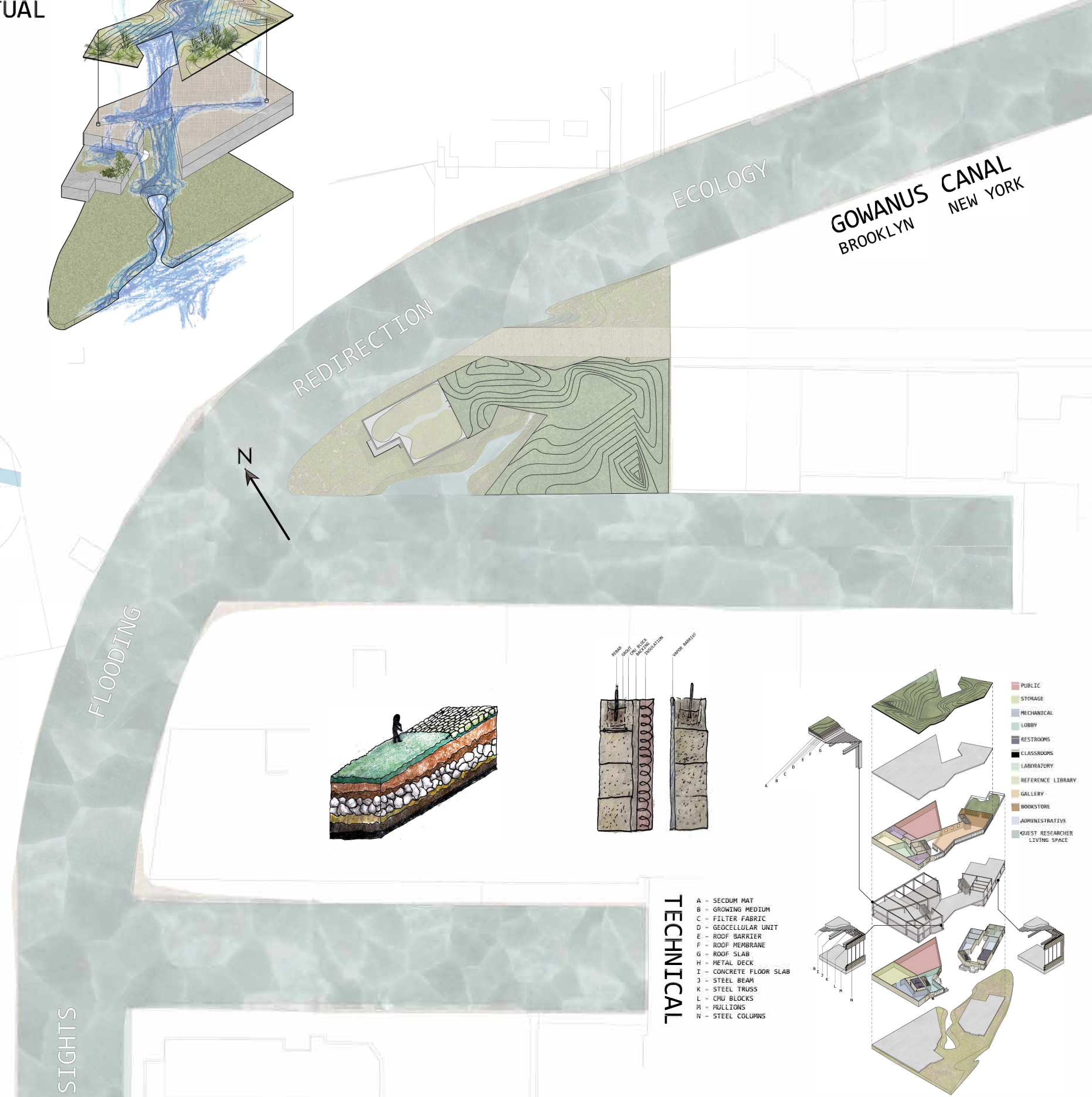
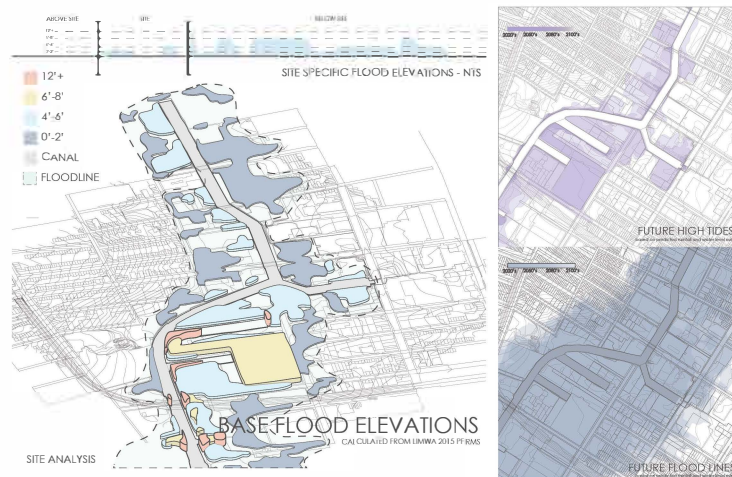


## CONCEPTUAL

FLASH  
FLOOD  
FLOW

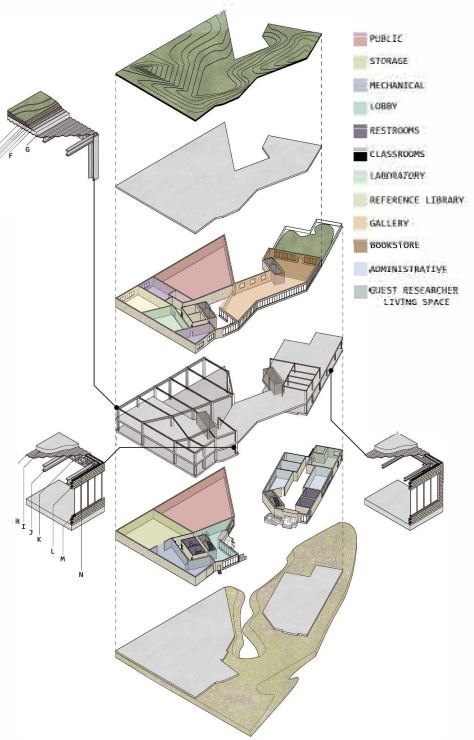


## RESEARCH

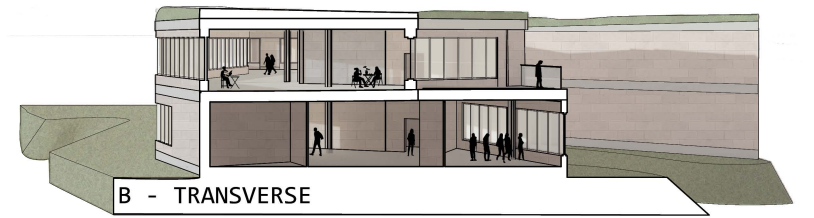
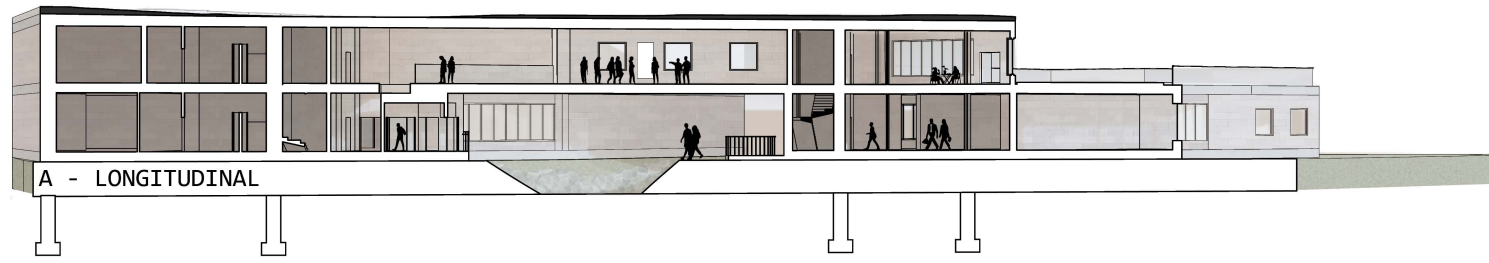


## TECHNICAL

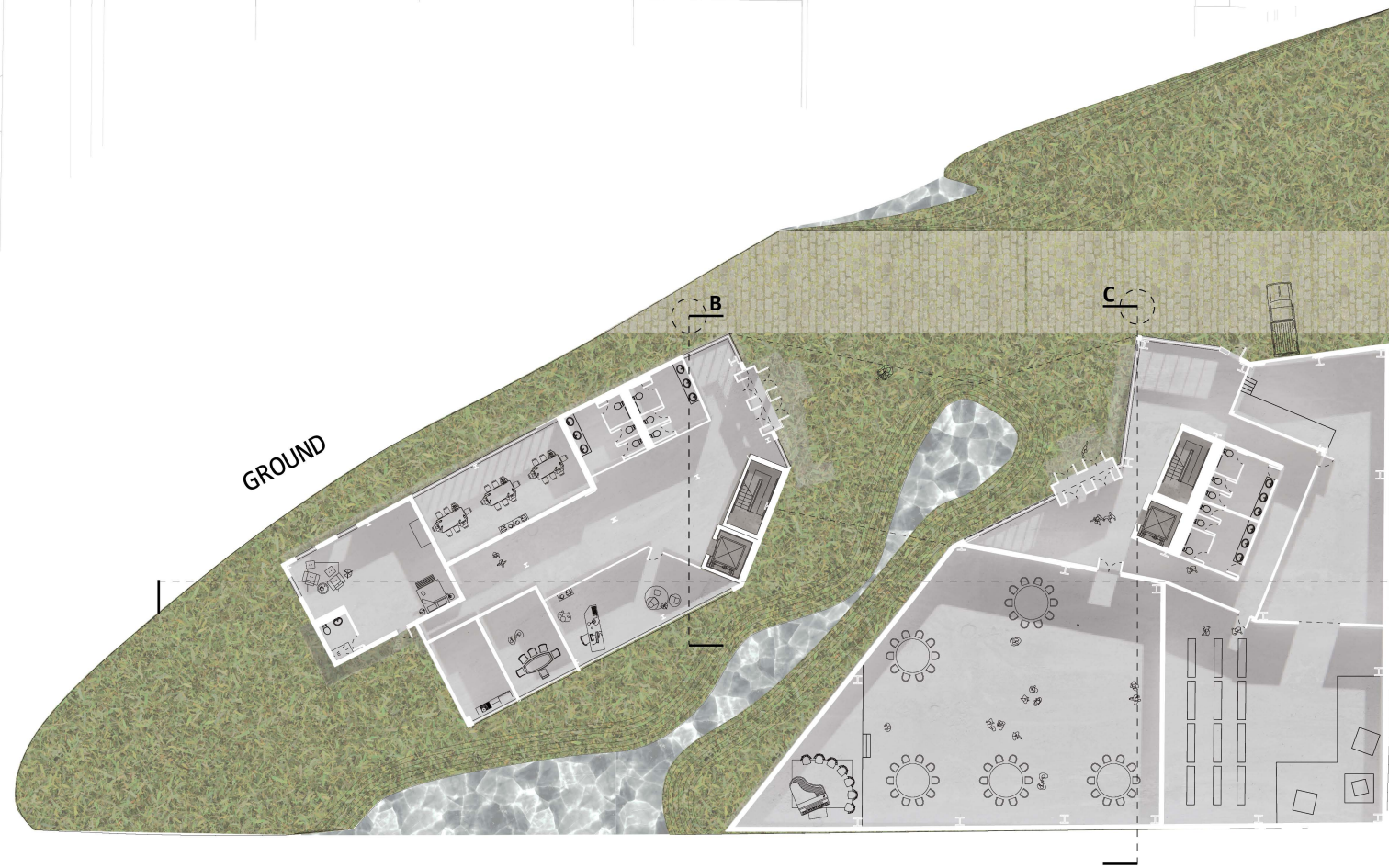
- A - SECUR MAT
- B - GROWING MEDIUM
- C - FILTER FABRIC
- D - GECELLULAR UNIT
- E - ROOF BARRIER
- F - ROOF MEMBRANE
- G - ROOF SLAB
- H - METAL DECK
- I - CONCRETE FLOOR SLAB
- J - STEEL BEAM
- K - STEEL TRUSS
- L - CHUF BLOCKS
- M - PELLIONS
- N - STEEL COLUMNS



- PUBLIC
- STORAGE
- MECHANICAL
- LOBBY
- RESTROOMS
- CLASSROOMS
- LABORATORY
- REFERENCE LIBRARY
- GALLERY
- BOOKSTORE
- ADMINISTRATIVE
- GUEST RESEARCHER
- LIVING SPACE

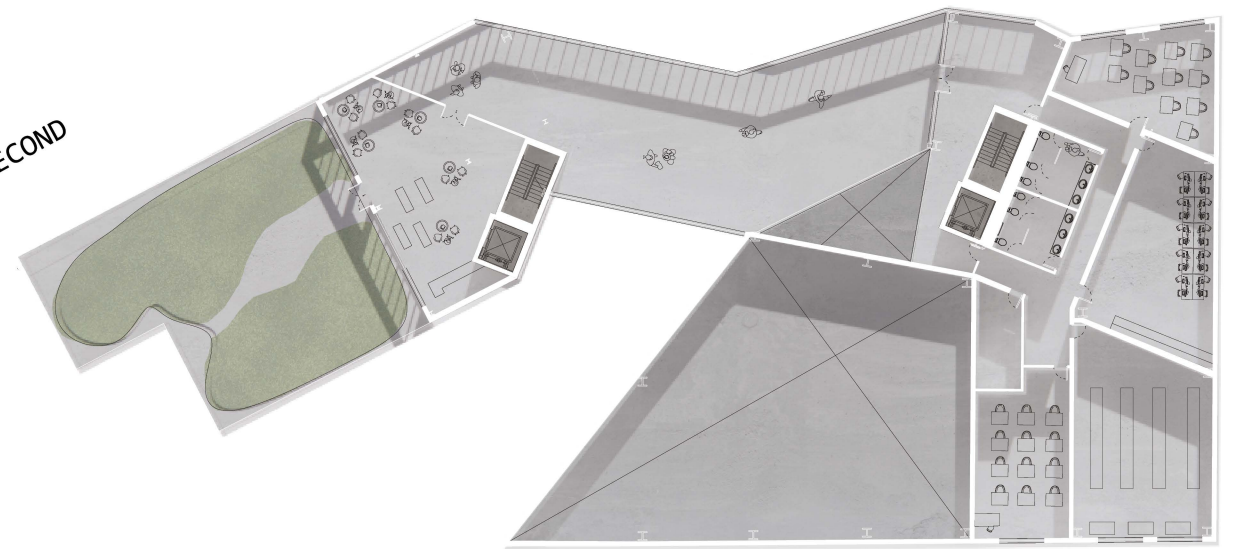


SECTIONS



SECOND

PLANS

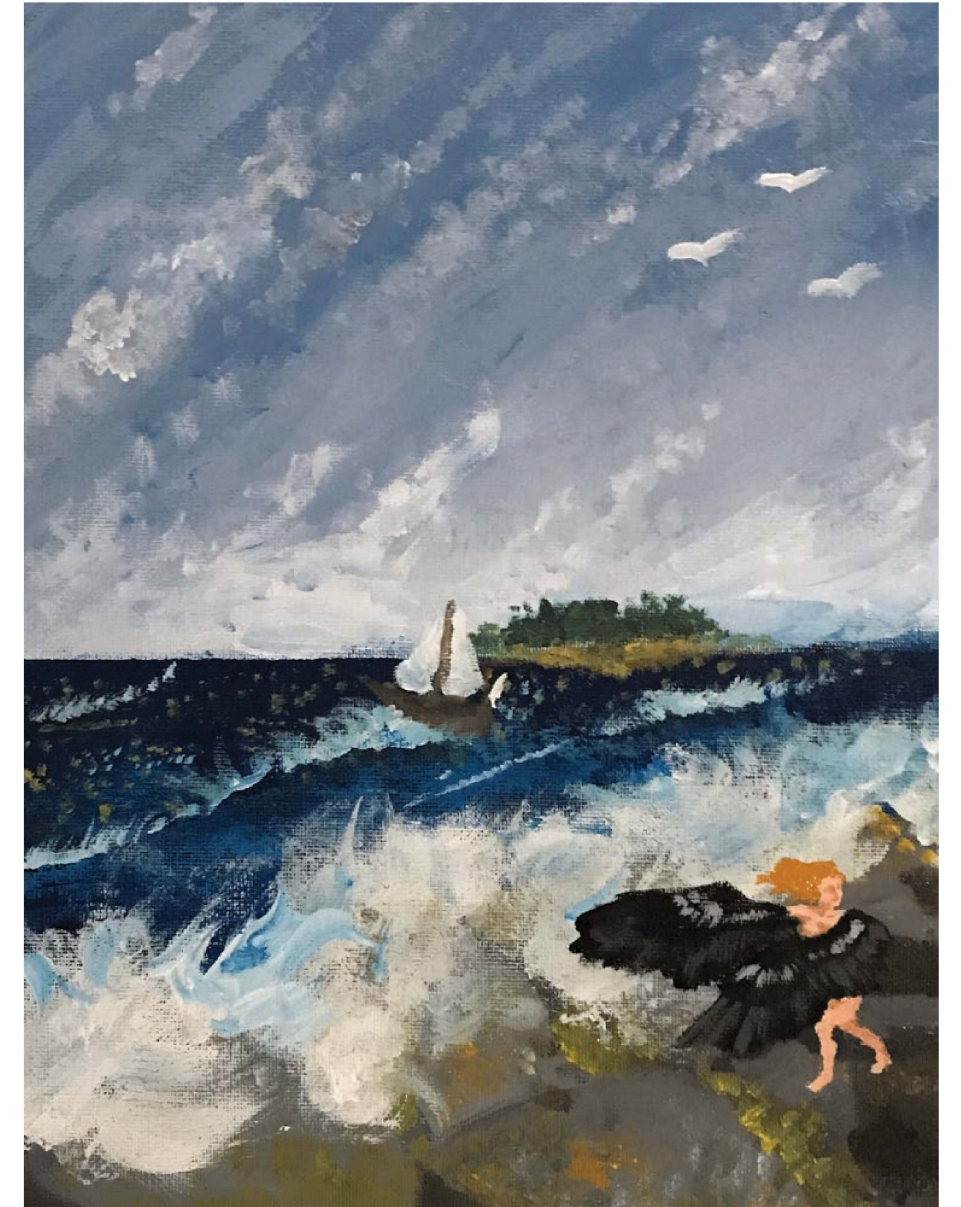


5000s  
 5050s  
 5000s  
 BASE FLOOD ELEVATIONS



**DANTE AL INFERNO**

*3'X4' - OIL PASTELS*



**SAIL THE SIREN SEA**

*1'X2' ACRYLIC PAINT*



**MACBETH AND MISFORTUNE**  
5"X8" - GRAPHITE, INK, MARKER



**THE CALL**  
6"X10" INK, MARKER

# Resume

## CONTACT

Akash Mishra

am2467@njit.edu

akashkmishra2@gmail.com

## EXPERIENCE

- **Secretary, American Institute of Architecture Students (AIAS) NJIT (2020-2024)**
  - Manage all chapter documents, including meeting minutes and contracts
  - Facilitate communication between school administration and chapter officers
  - Maintain communication between students, faculty, and chapter committee members/directors
- **Sales Associate, Vans (2021-2022)**
  - Engage with diverse customer base on a daily basis
  - Employ problem-solving skills to address customer concerns
  - Responsible for opening and closing store, including inventory organization and register management
- **Freedom by Design Member (2021-2024)**
  - Volunteered with student-led design-build committee under AIAS
  - Participated in design and construction of parklet project
  - Volunteered at local middle school, teaching architecture basics and presentation skills to students

## EDUCATION

- **New Jersey Institute of Technology**
  - Bachelor's of Architecture
  - Graduation Year: 2025
  - Dean's Scholar Student

## WEBSITE AND PORTFOLIO



## SOFTWARE AND TOOLS

- RENDER
  - VRAY, ENSCAPE, LUMION
- DESIGN
  - RHINO, REVIT, AUTOCAD
- WOODSHOP EXPERIENCE
- LASERCUTTER
- CNC MACHINE

## ART MEDIUMS

- CHARCOAL
- WATERCOLORS
- ACRYLIC
- PASTELS
- CLAY AND SCULPTURE