

Project 1

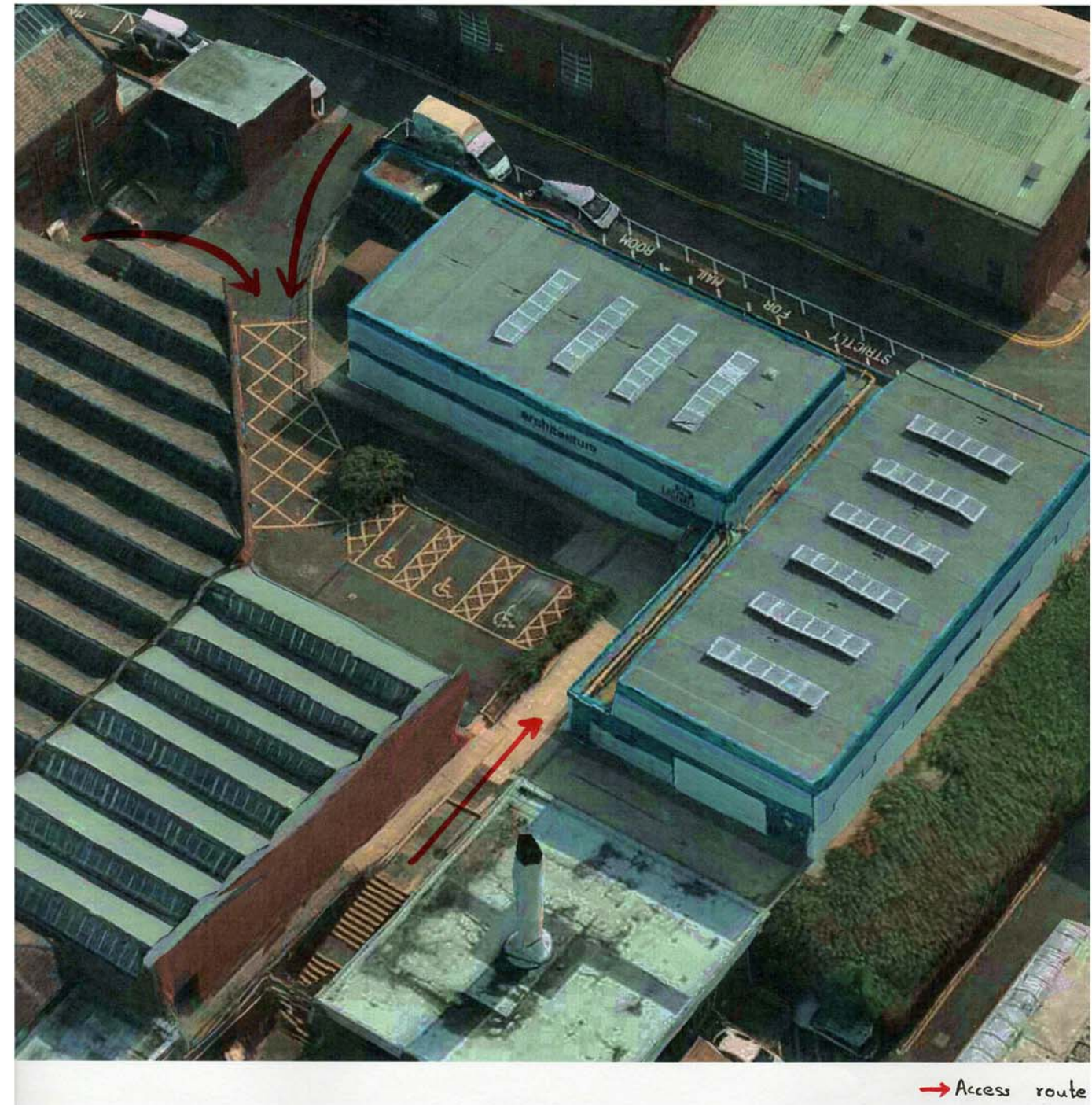
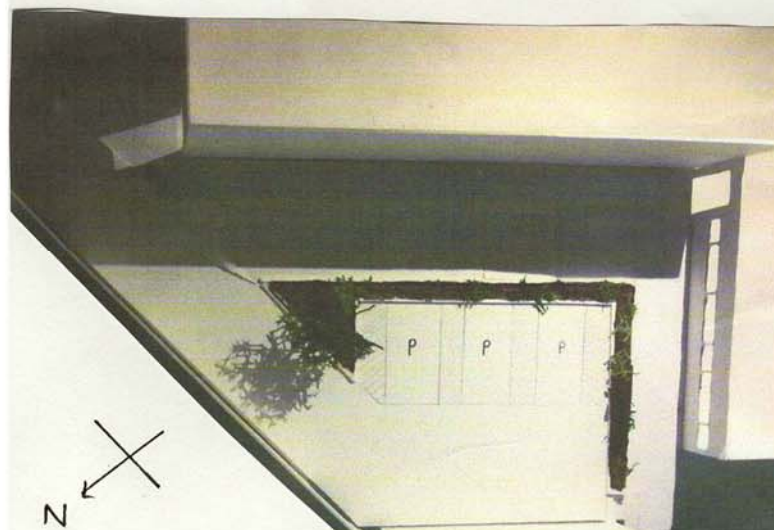
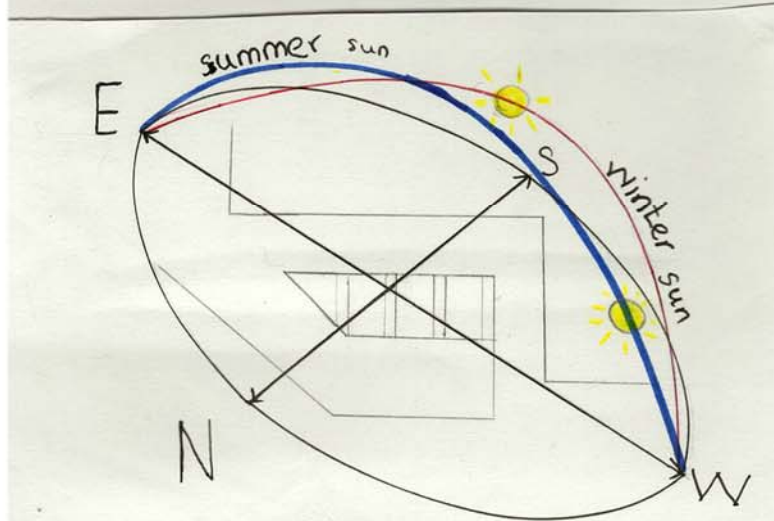
Creating a Pavilion

By transforming its character through proposing a new architectural intervention.

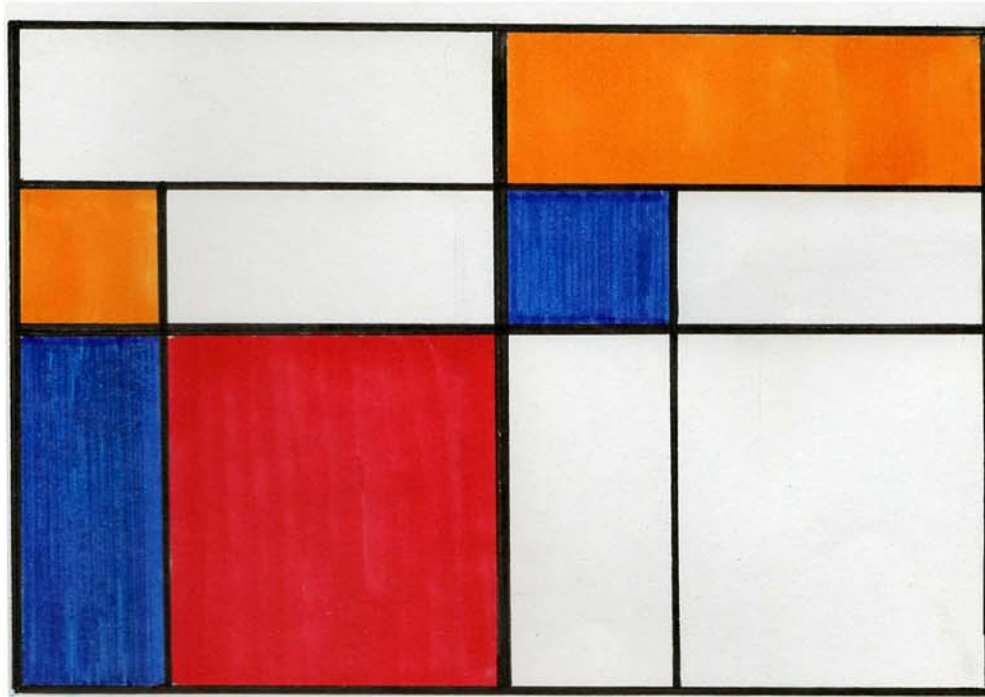
Site – car parking space between Harris Building and Edward Building, Edward street, Preston, United Kingdom

Project 1

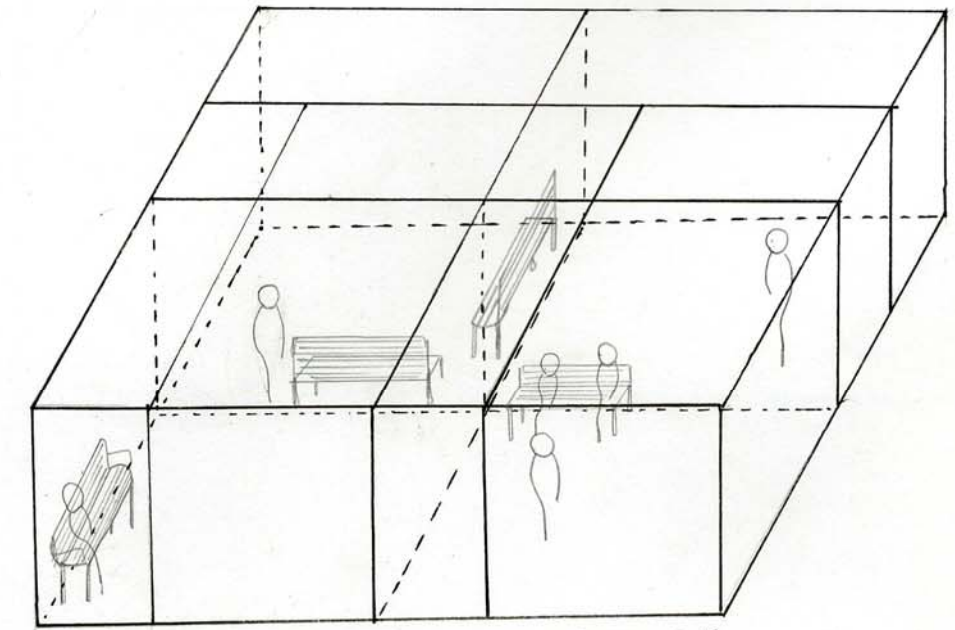
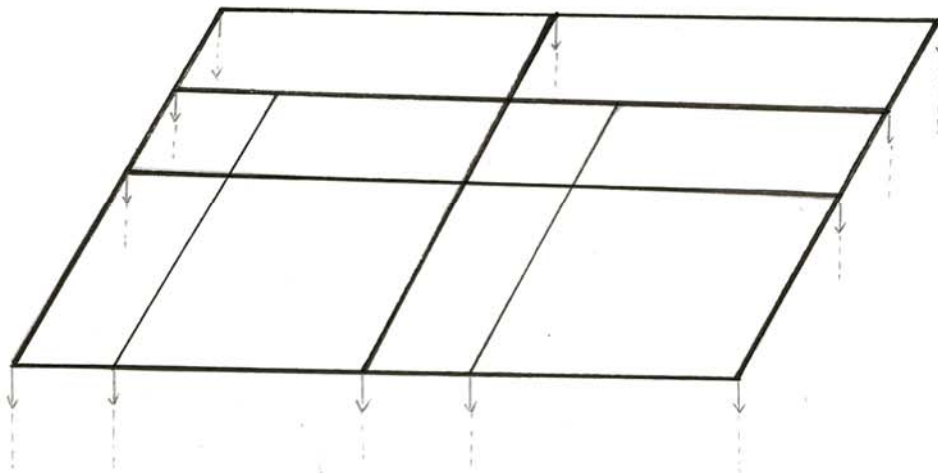
Site Analysis



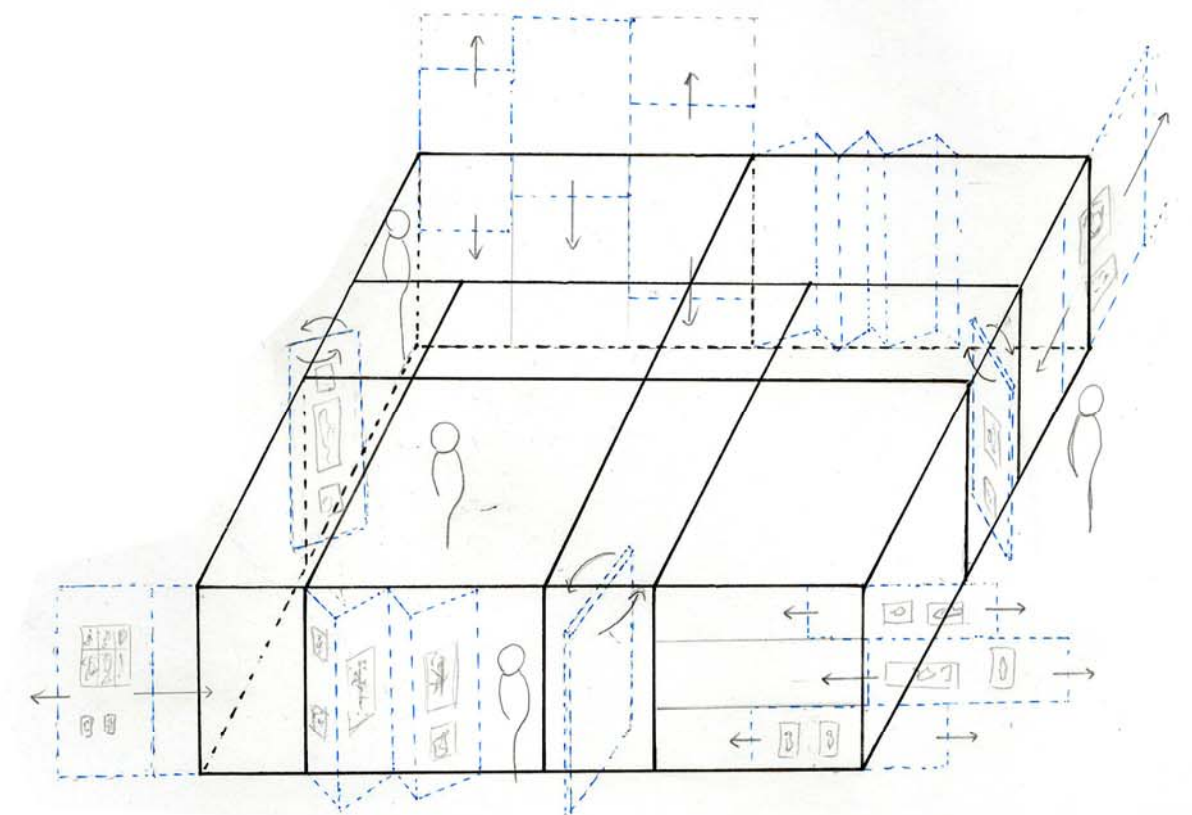
Design Concept



Mondrian Painting Inspiration



RELAXING SPACE
(Outdoor Seating Area)

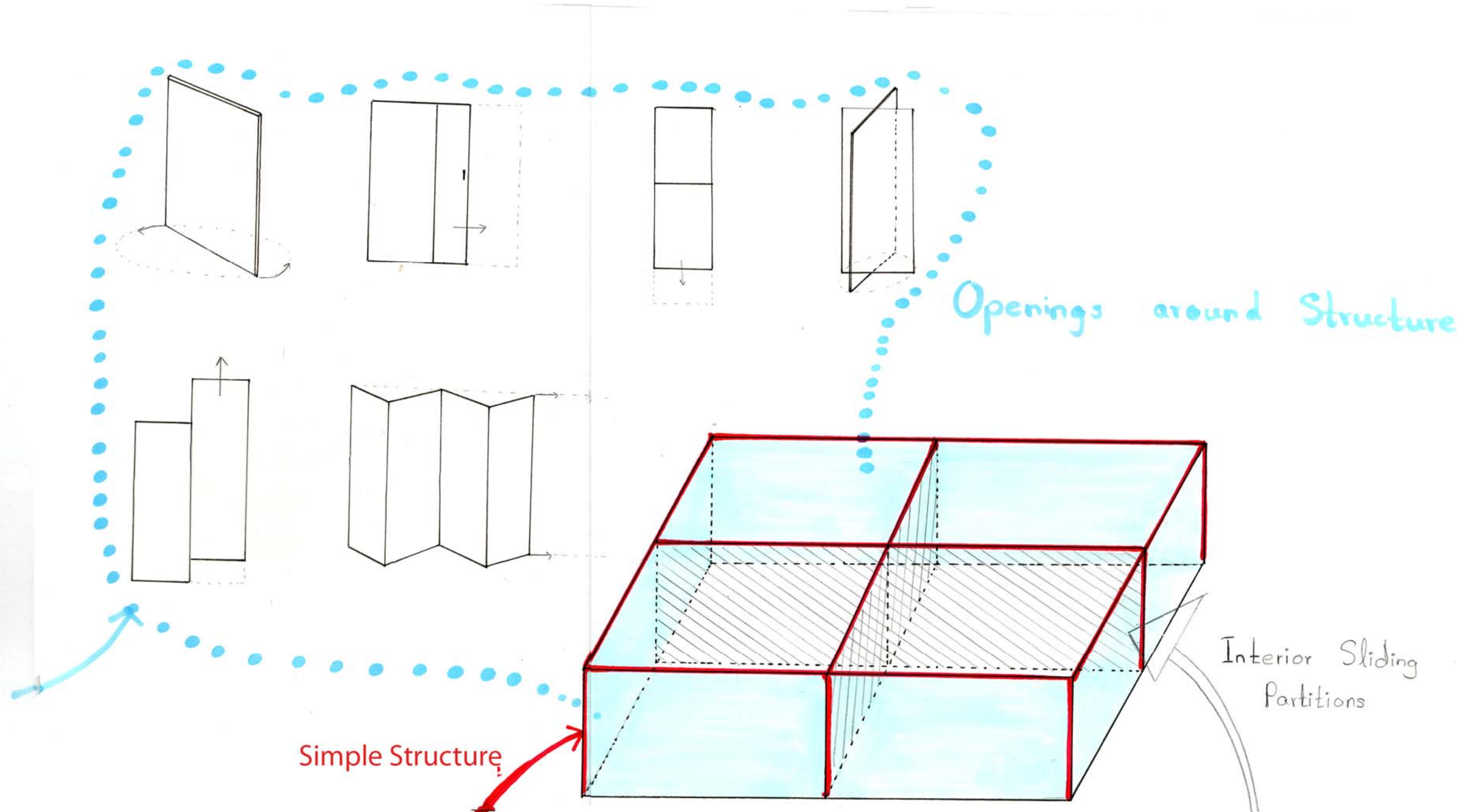


DYNAMIC SPACE
(Exhibition Area)

Precedent Study



GucklHupf
by
Hans Peter Wardl

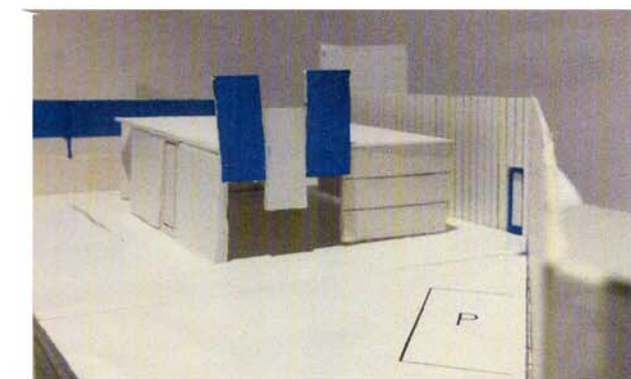
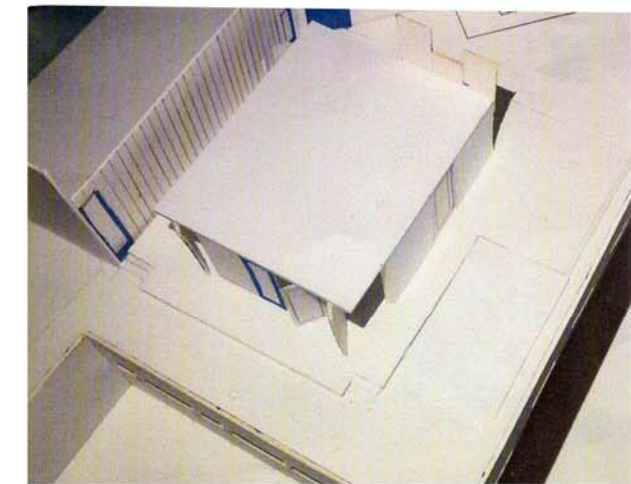
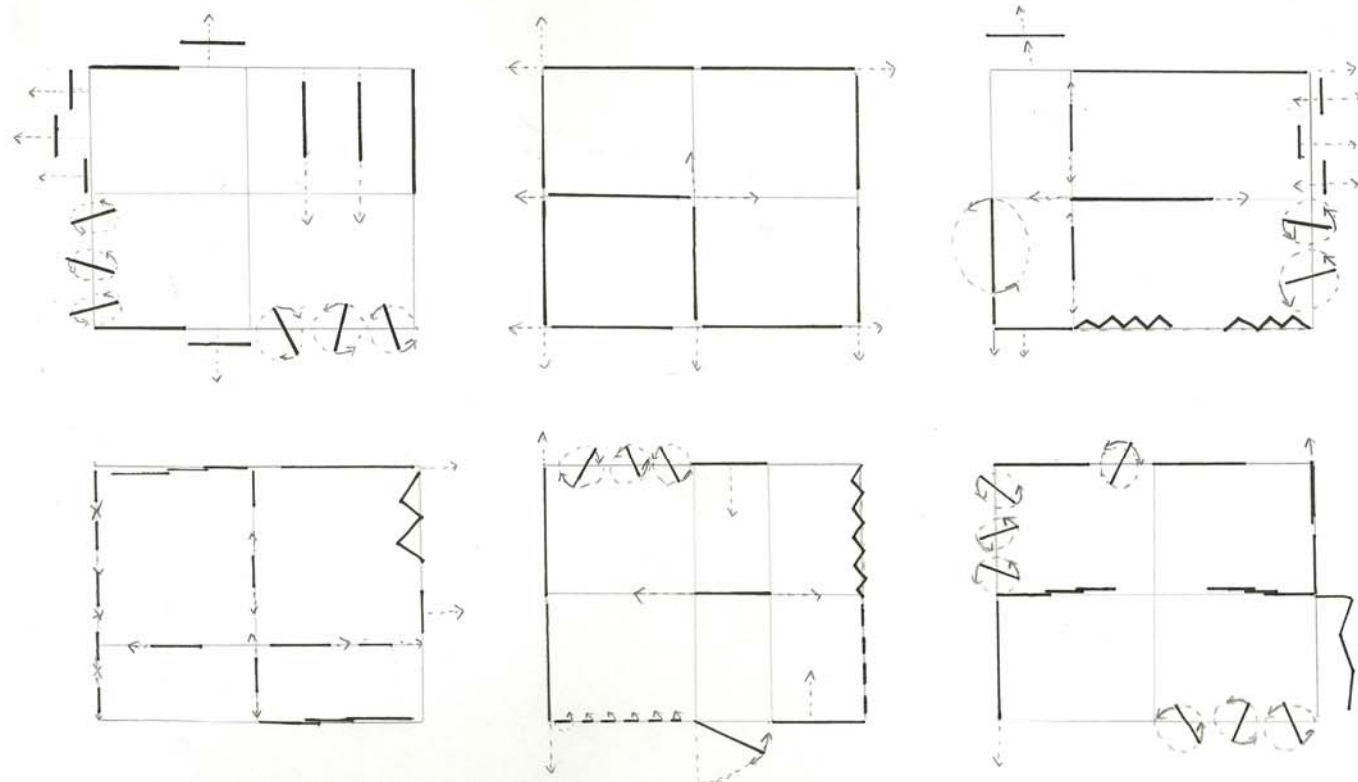
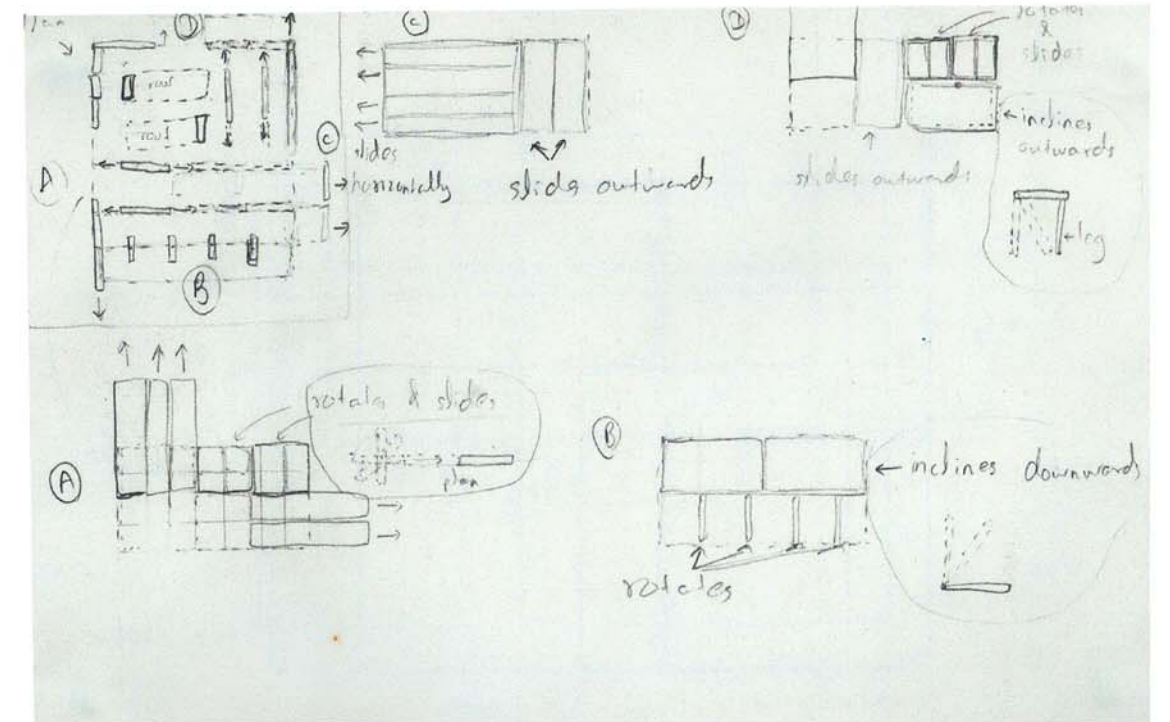
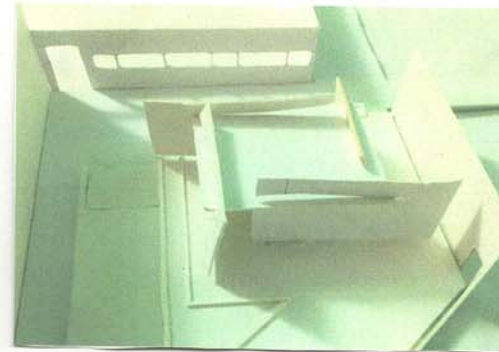
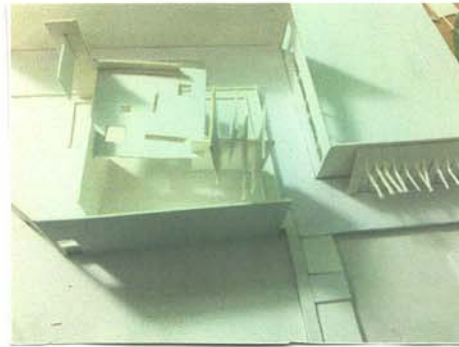
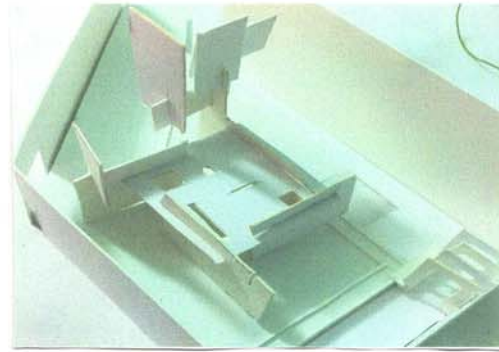
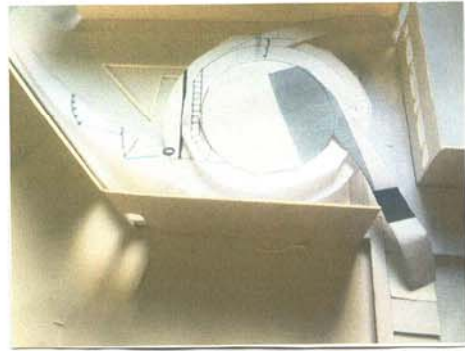


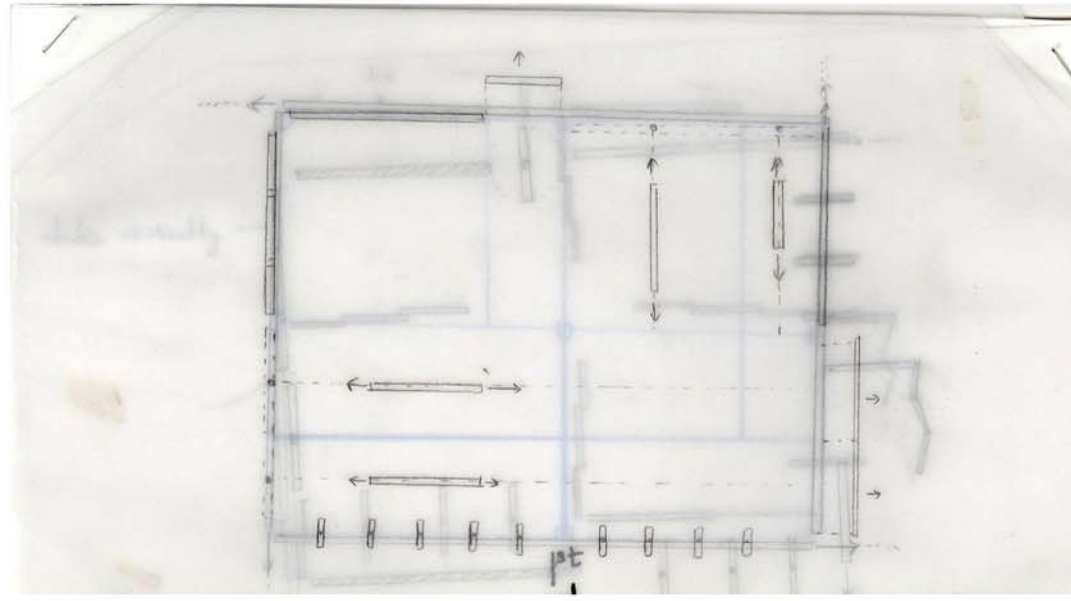
Woodland Cemetery, Stockholm
by
Erick Gunnar Asplund + Sigurd Lewerentz



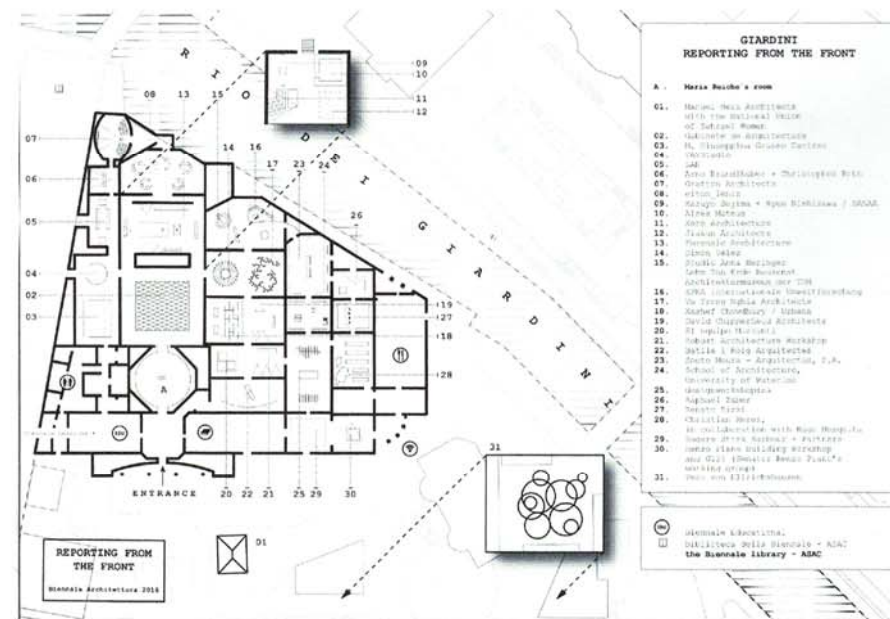
The Schroder House
by
Gerrit Rietveld

Design Process





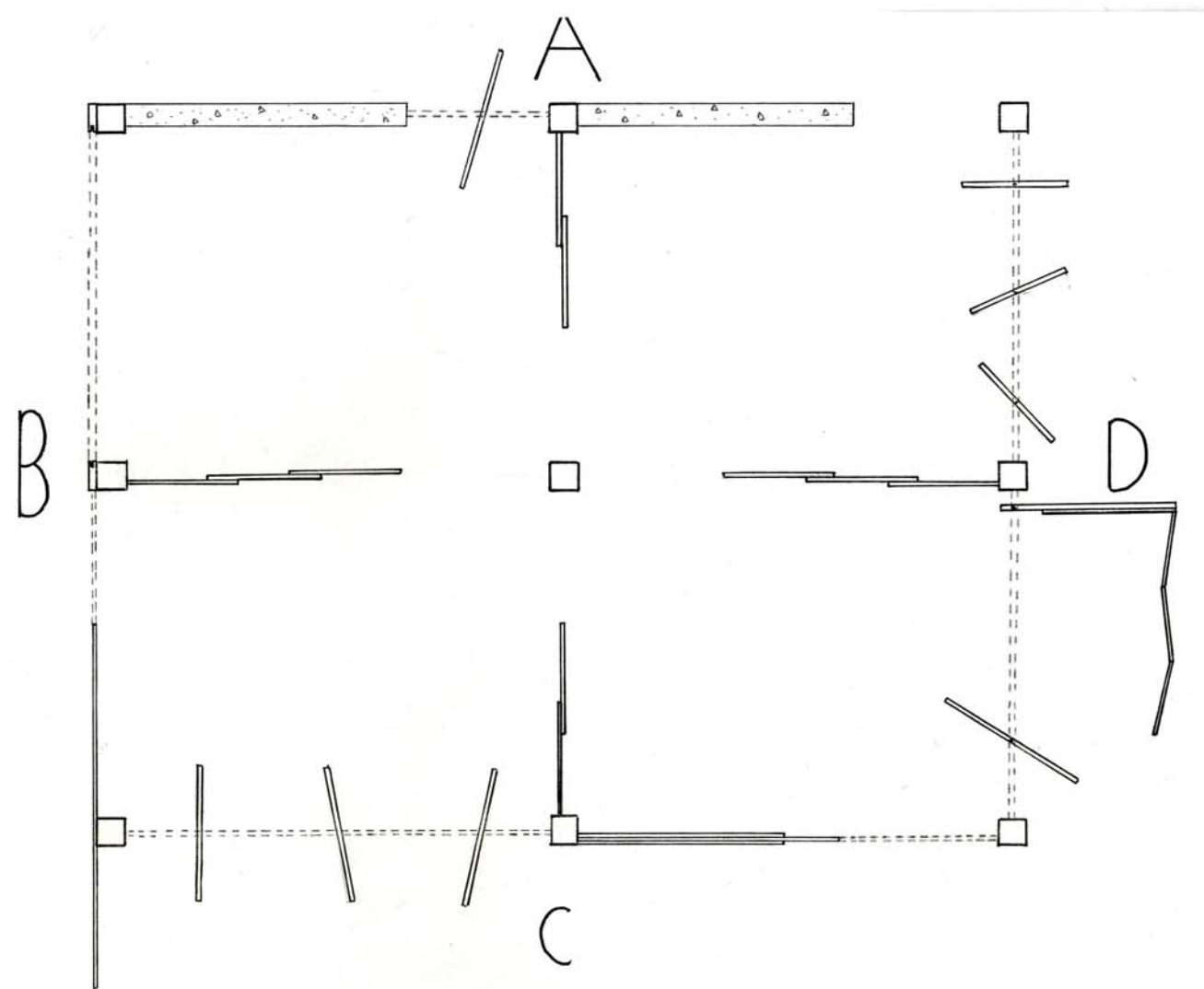
Testing space composition on tracing paper



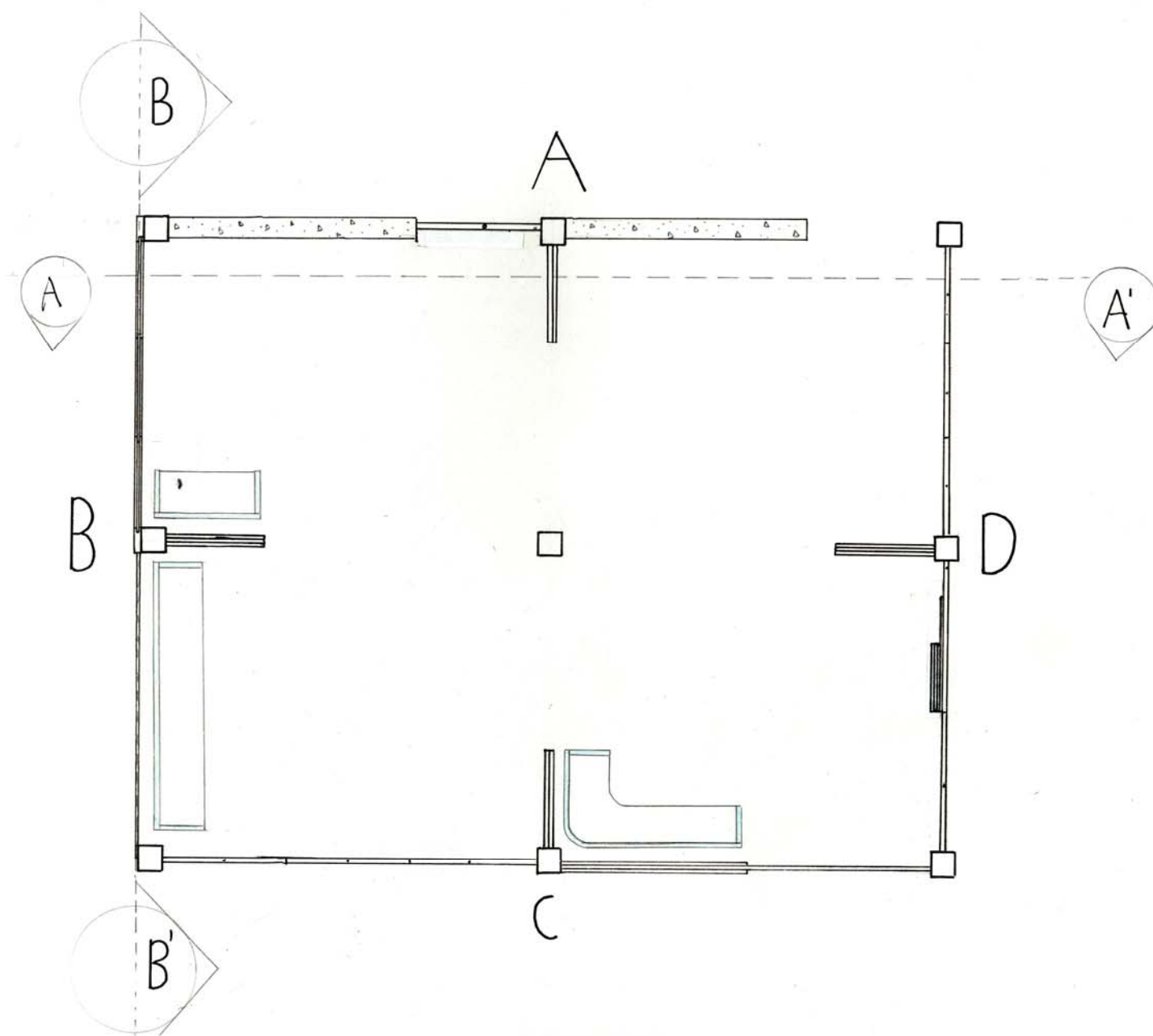
Precedent Study of how walls are divided
in La Biennale(Venice, Italy)

1 st Year Students Work	2 nd Year Students Work	Undergraduate Students Work
3 rd Year Students Work	Master Students Work	
		Postgraduate Student Work

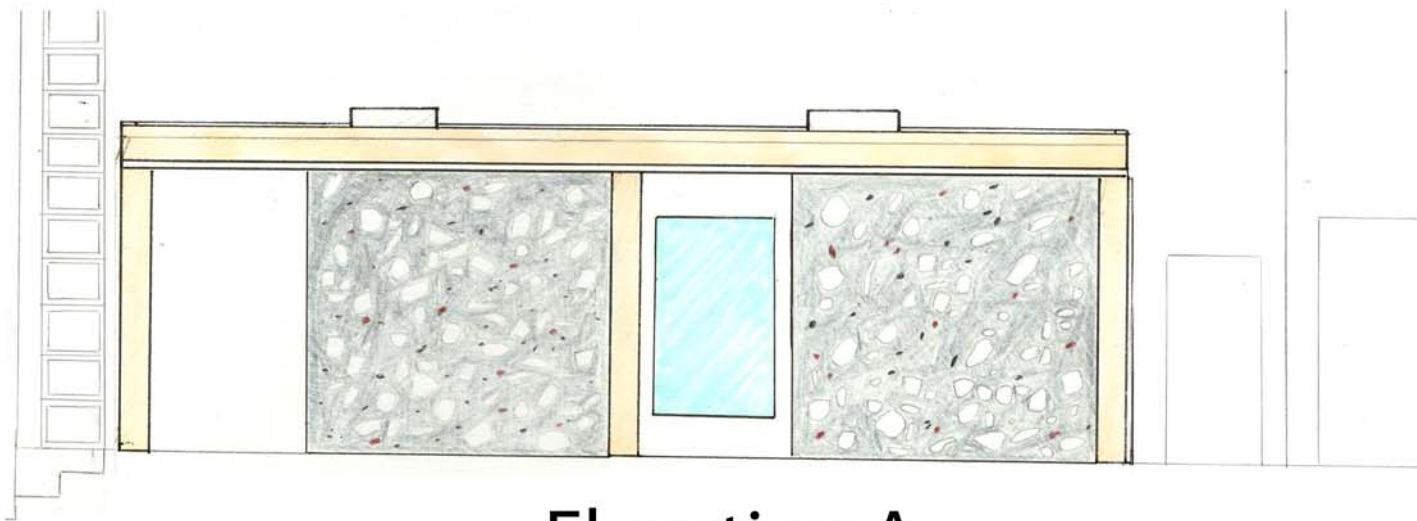
Examples of wall division in design proposal



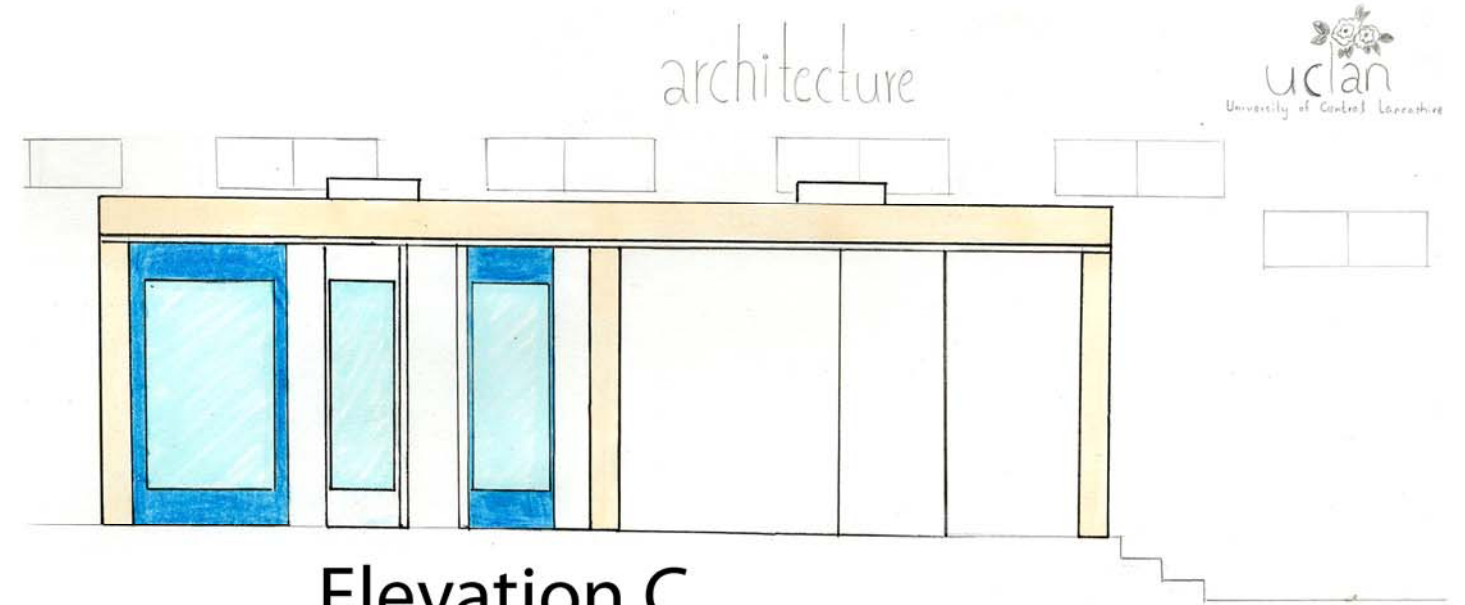
Exhibition Area
(Doors open) + (Partition closed)



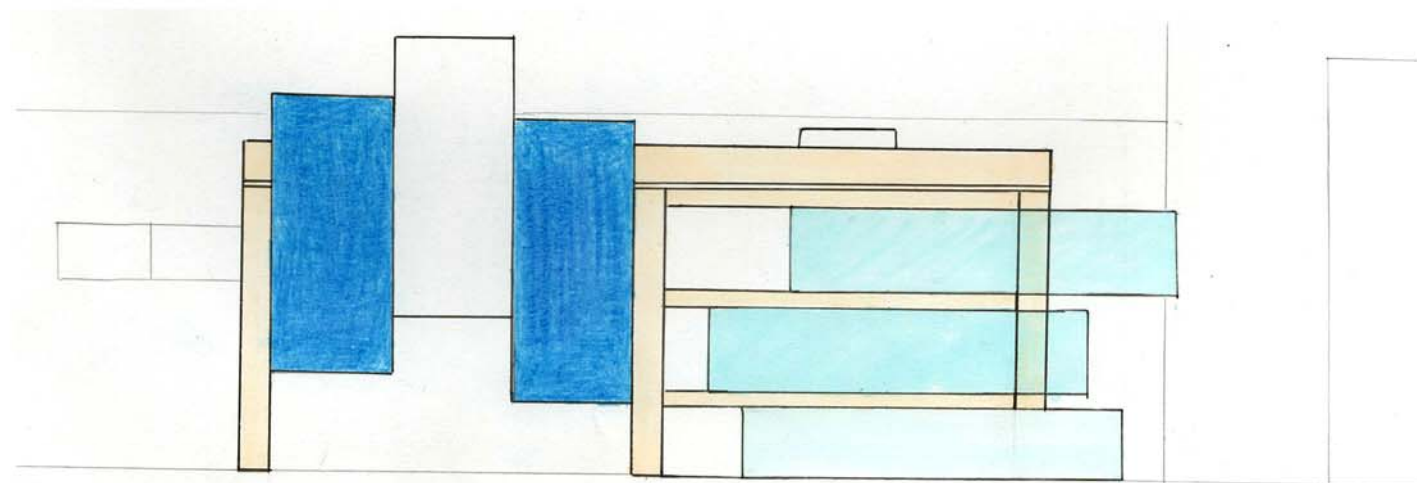
Seating Area
(Doors closed)+(Partition opened)



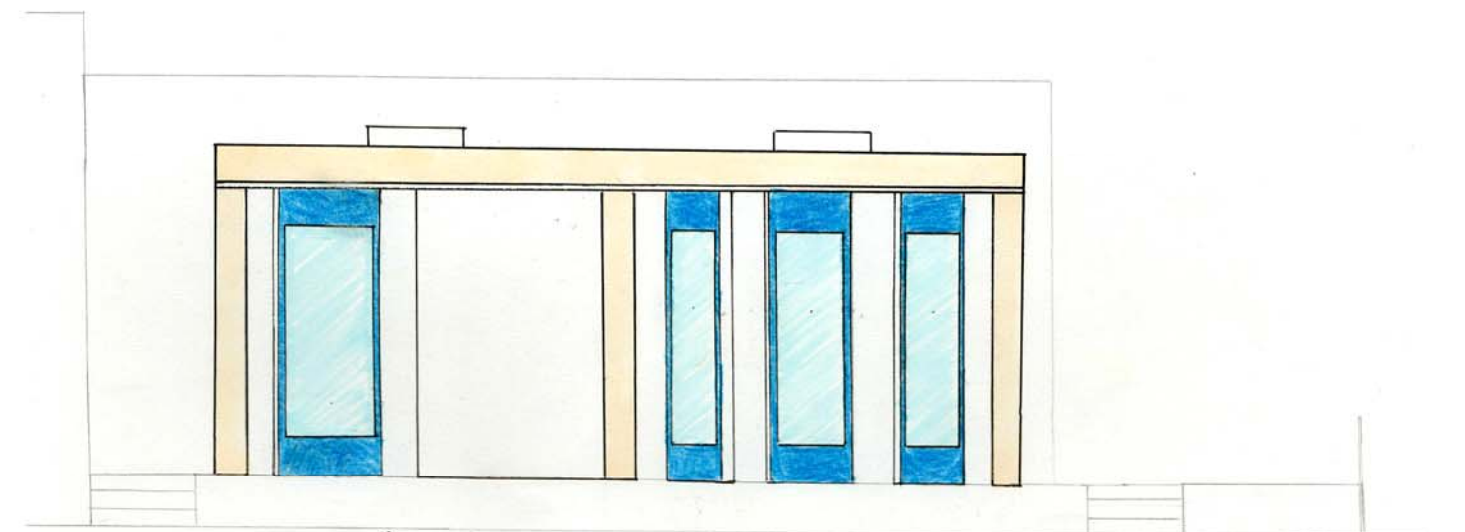
Elevation A



Elevation C

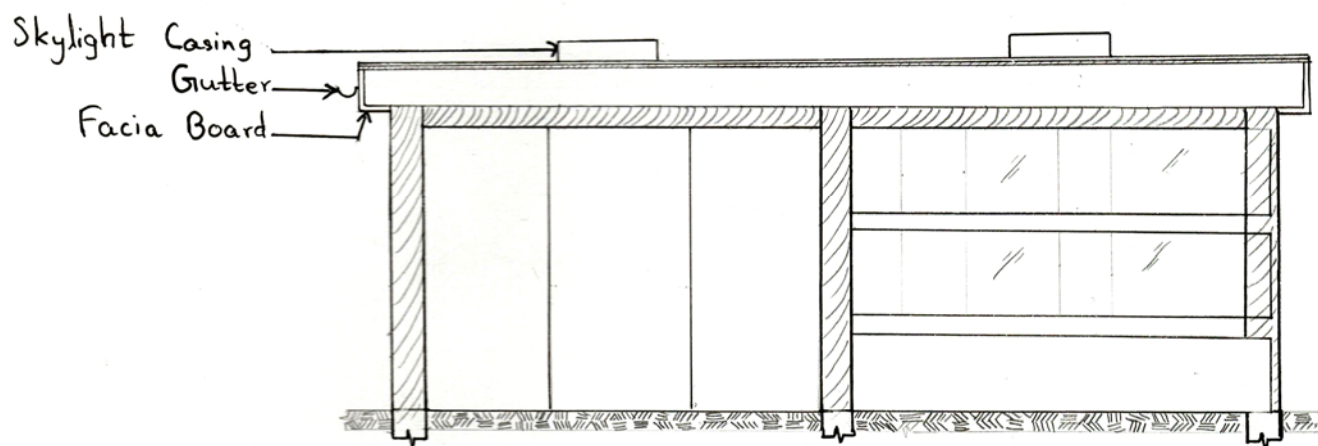
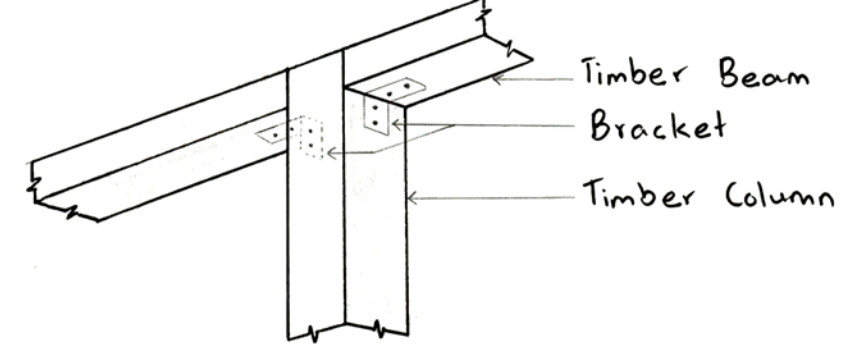
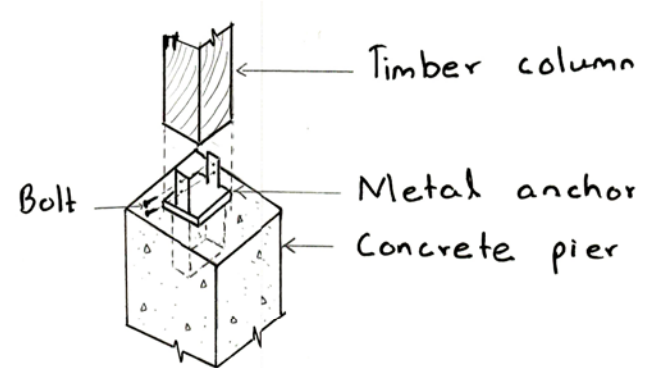
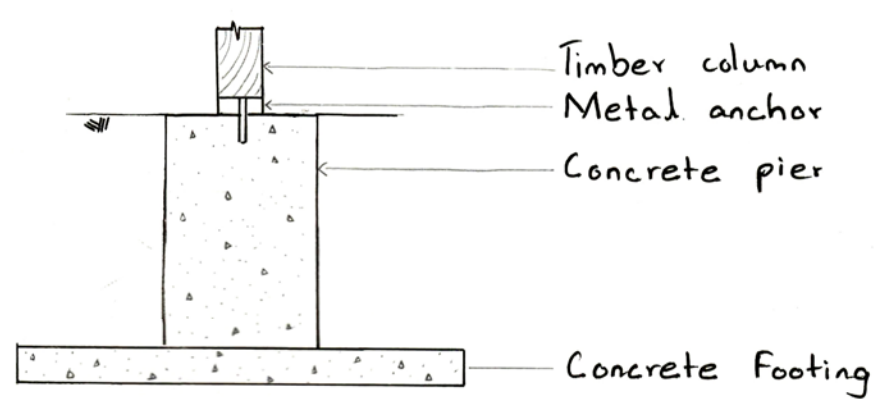


Elevation B

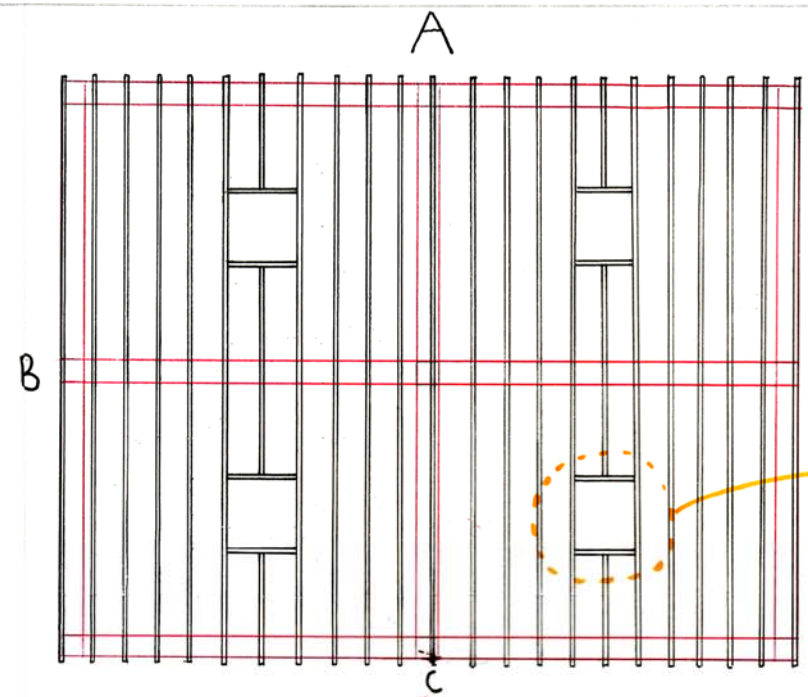


Elevation D

CONNECTIONS

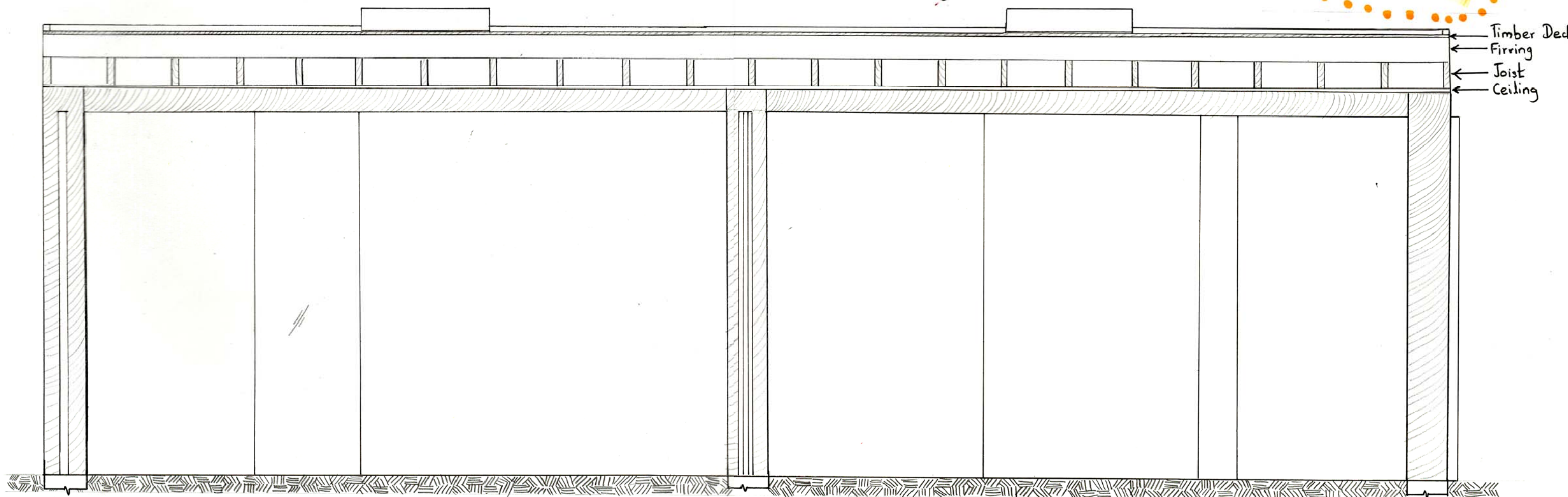
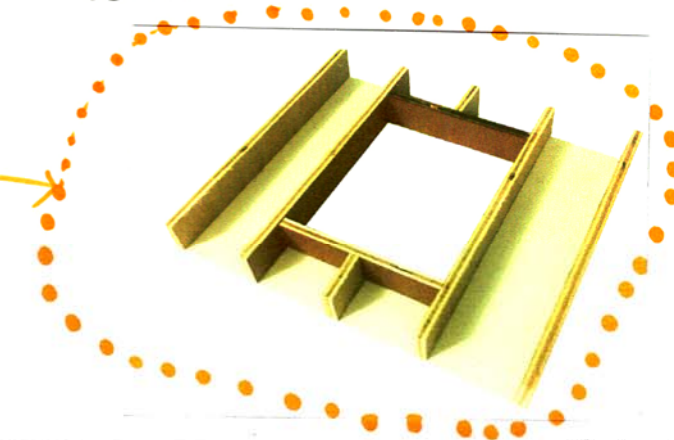


Section BB' (1:50)

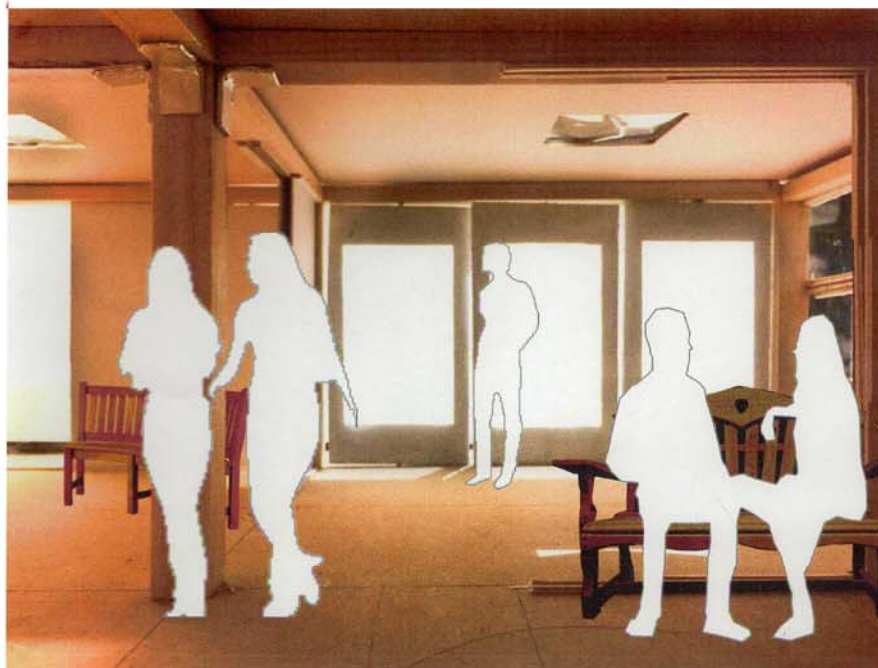


Joist Plan (1:75)

— joist
— beams and columns



Section AA' (1:20)



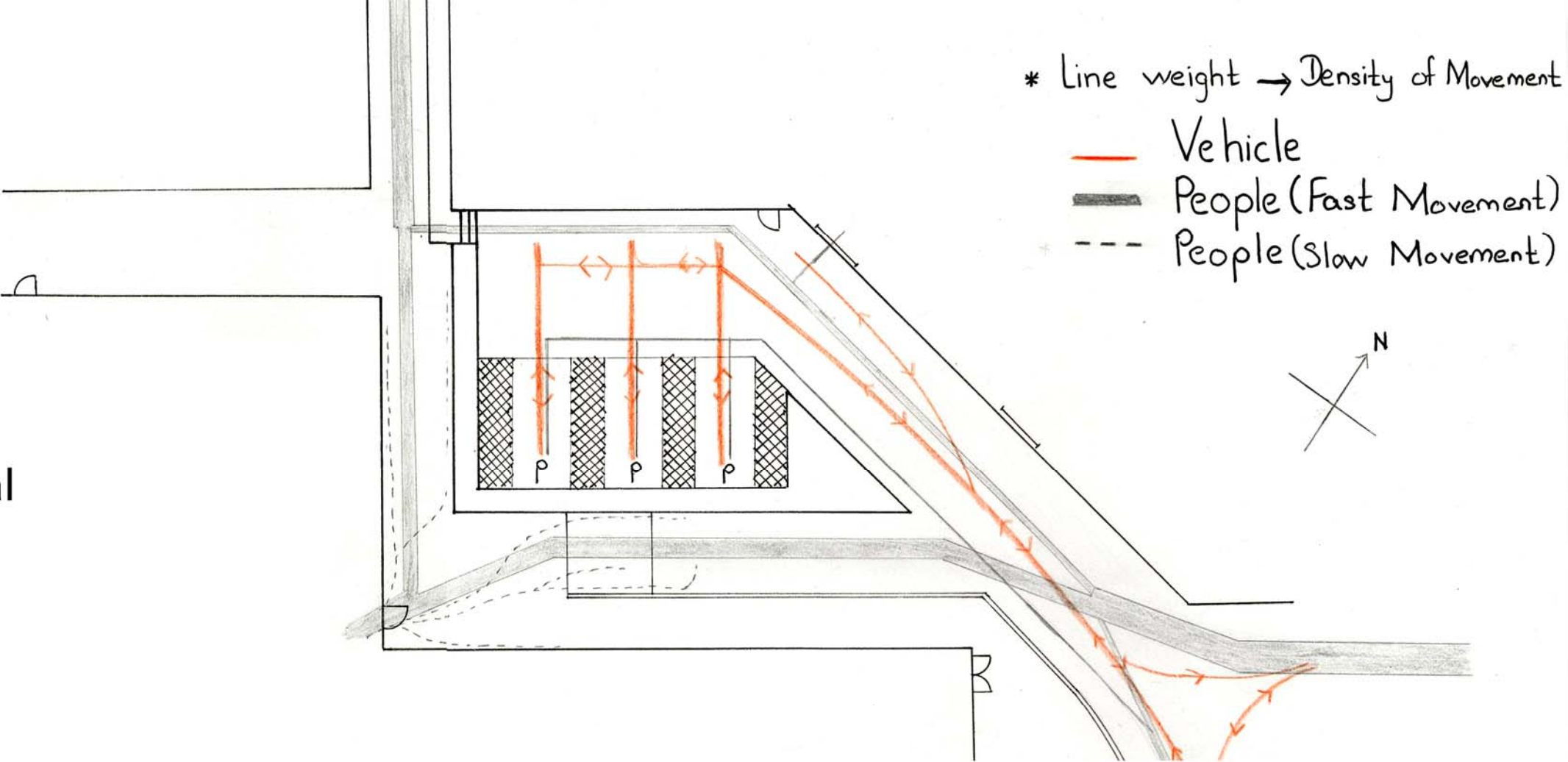
Seating < > Exhibition
(Relaxing) (Dynamic)



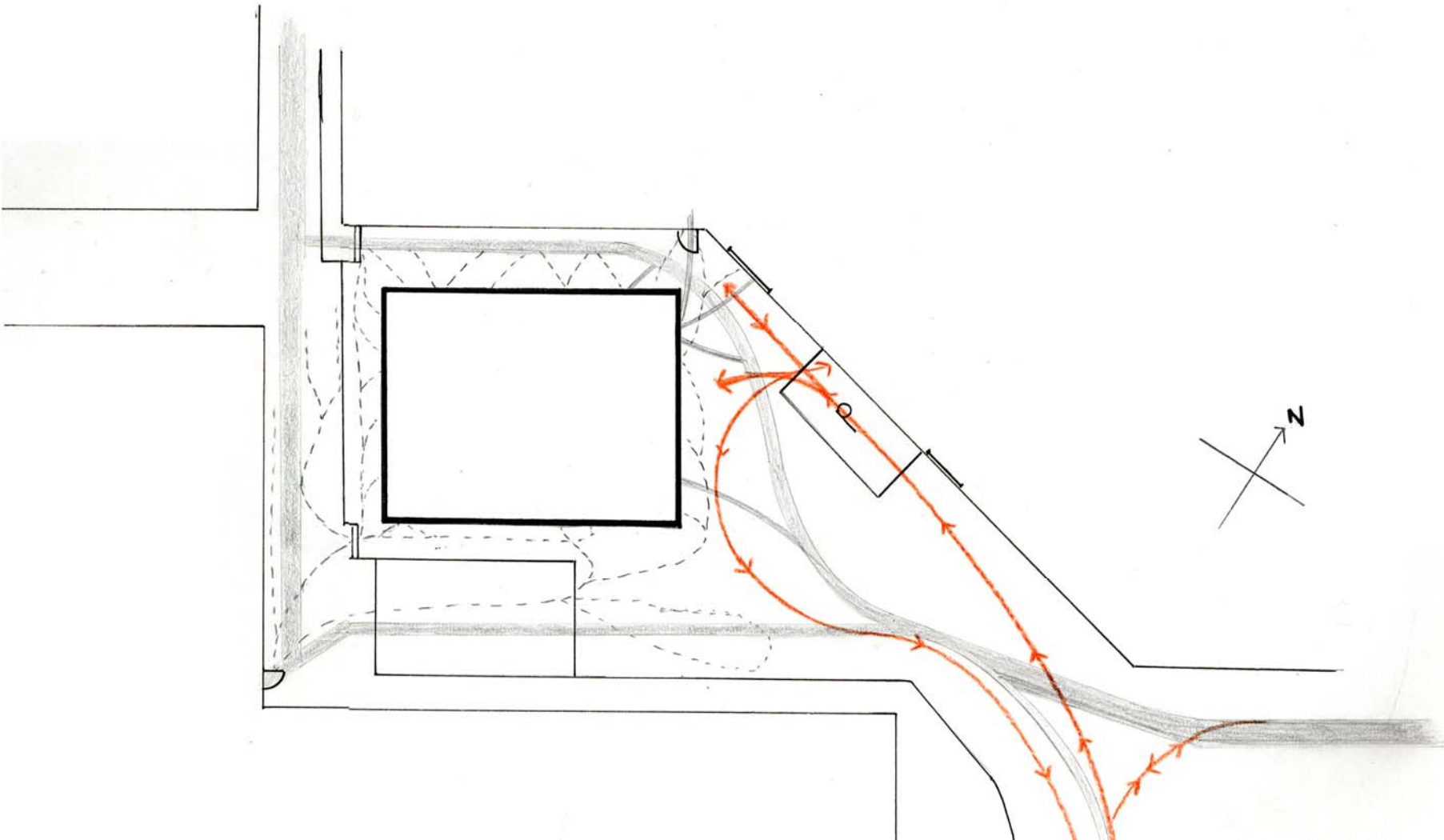


Site Analysis

Circulation Showing Before Proposal



Circulation Showing After Proposal



Project 2

Attracting people (especially children) to Harris Museum

By providing a proper 'connecting' environment

Site – Harris Museum, Market St, Preston PR1 2PP

Project 2

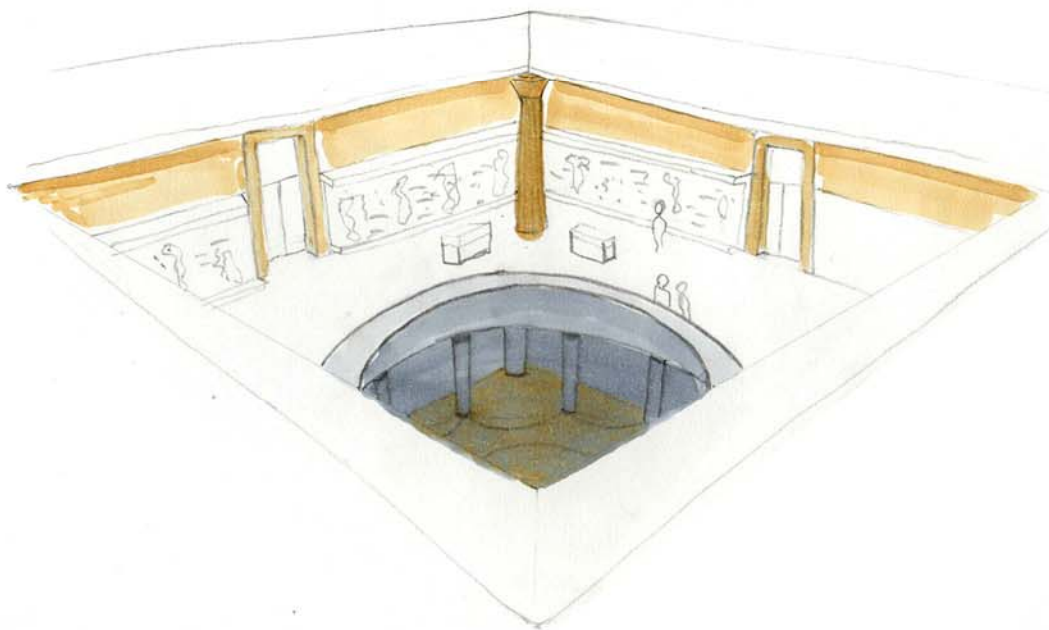
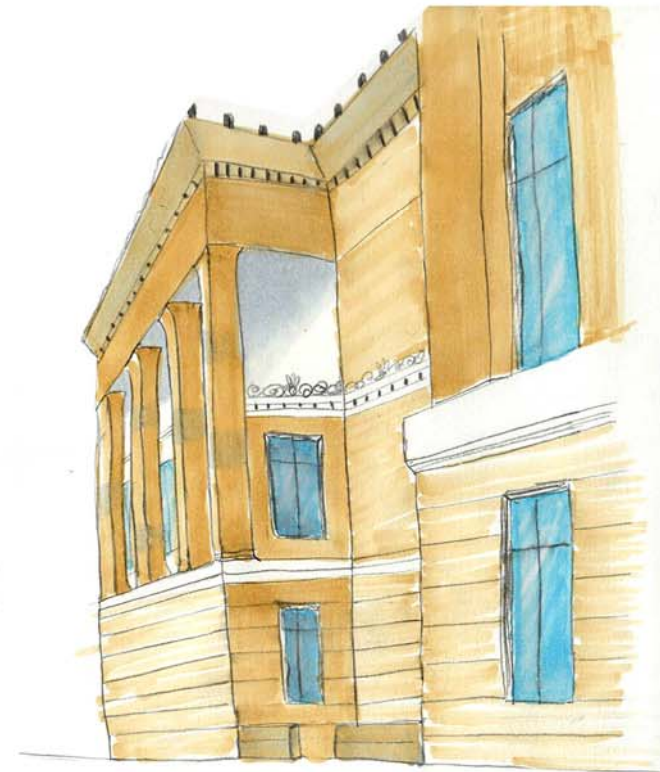
Design Concept

Slide in atrium

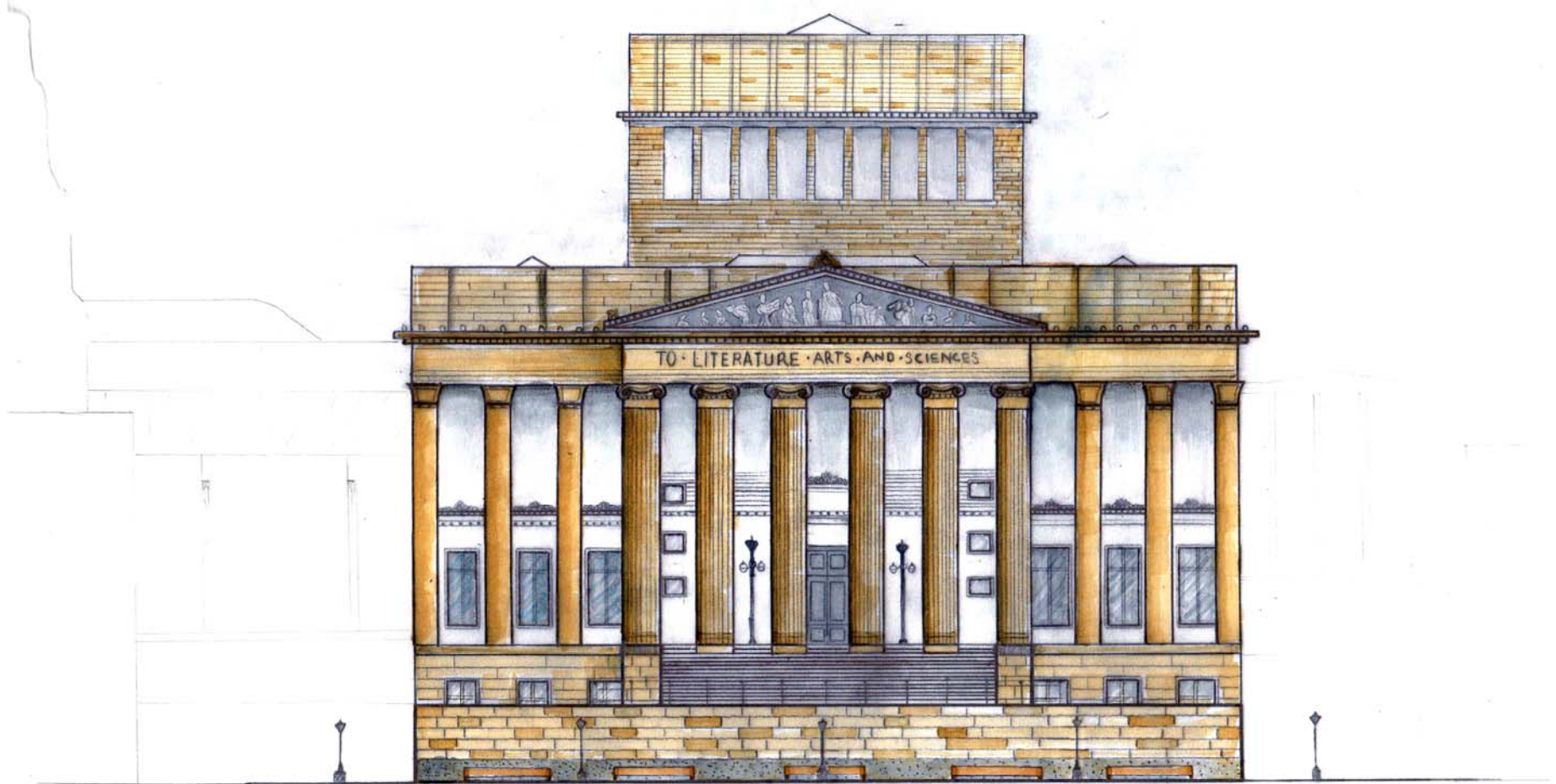
+

Mezzanine floors as children library

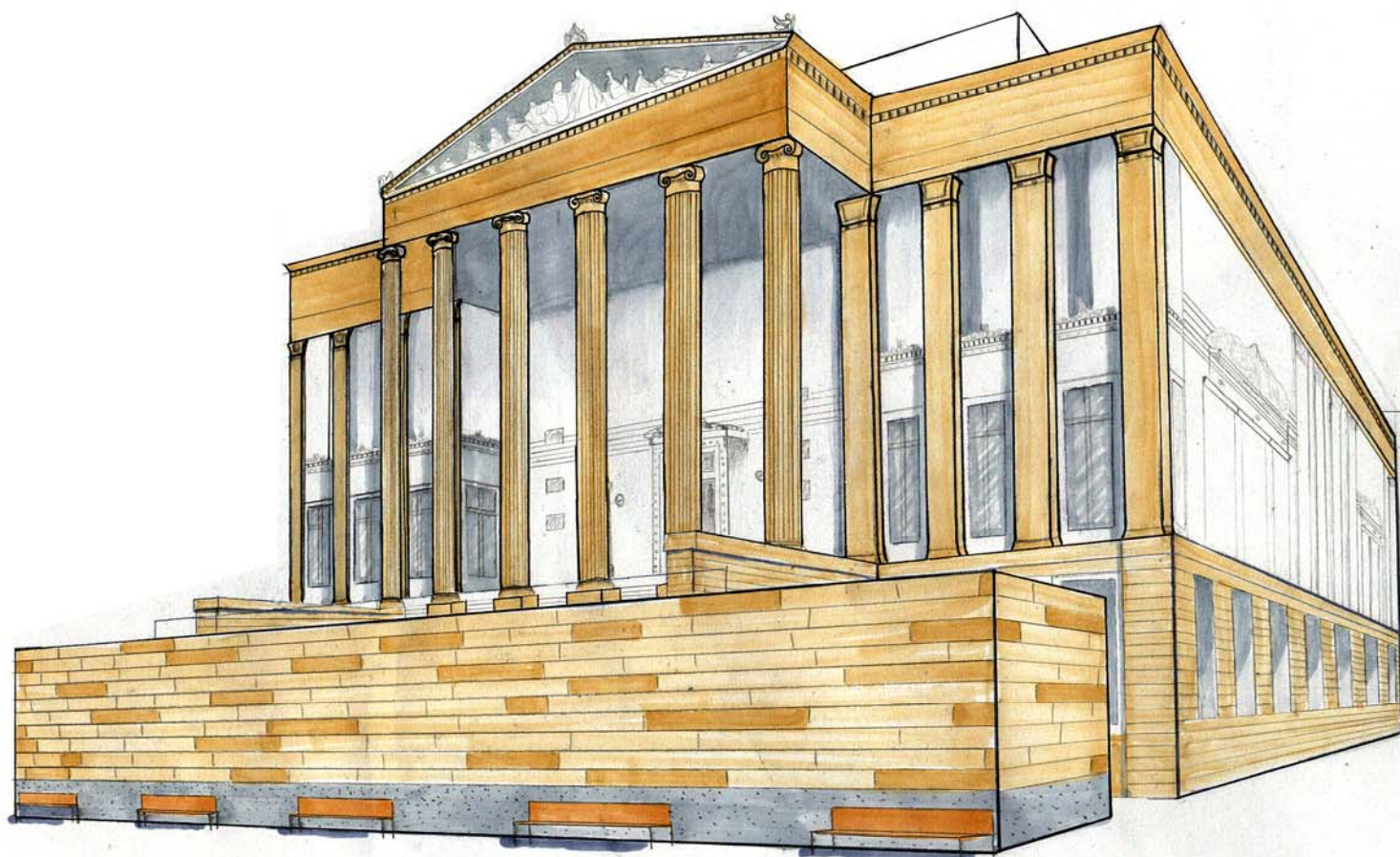




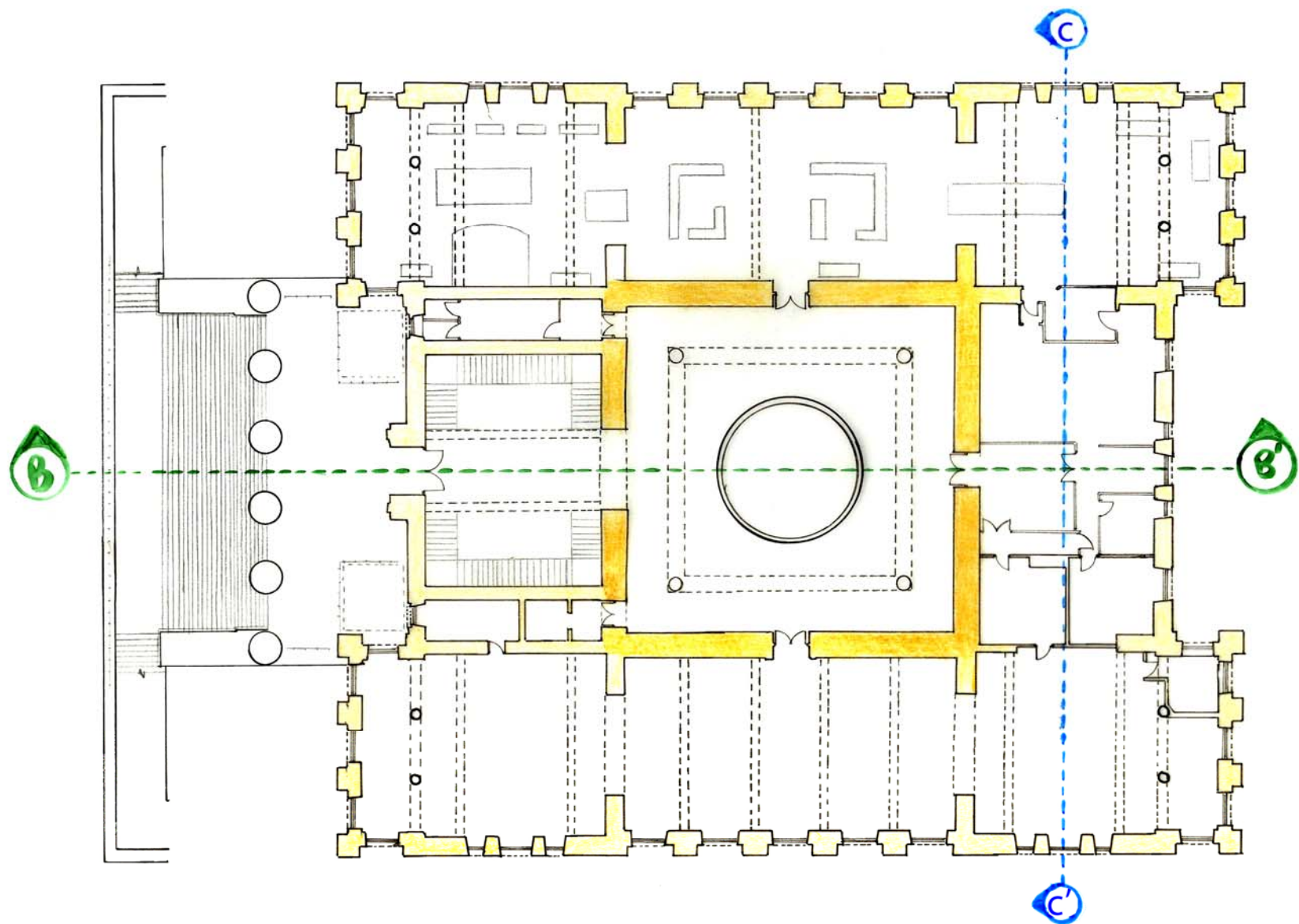
Sketches
of Existing Harris Museum



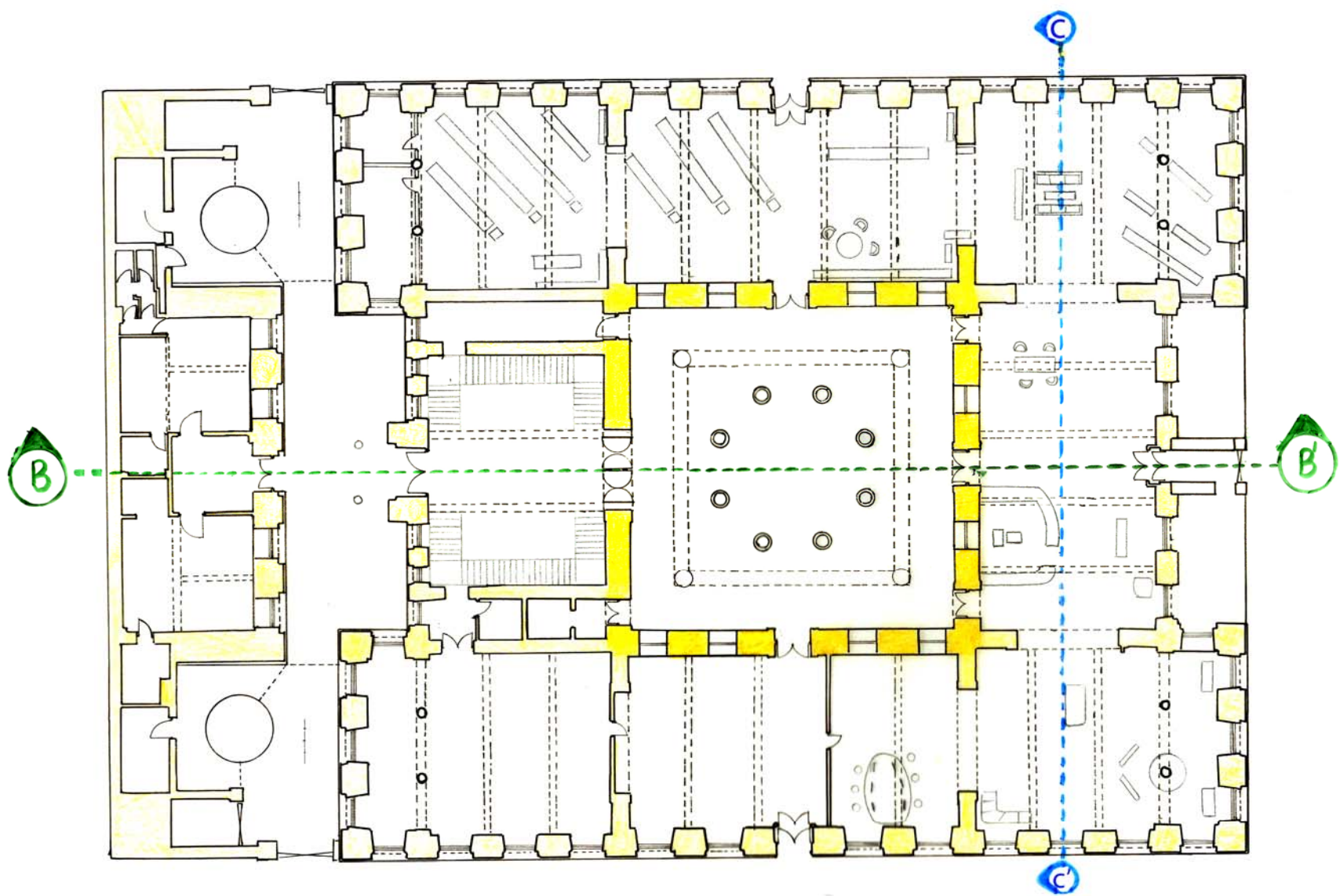
Front Elevation
of Existing Harris Museum



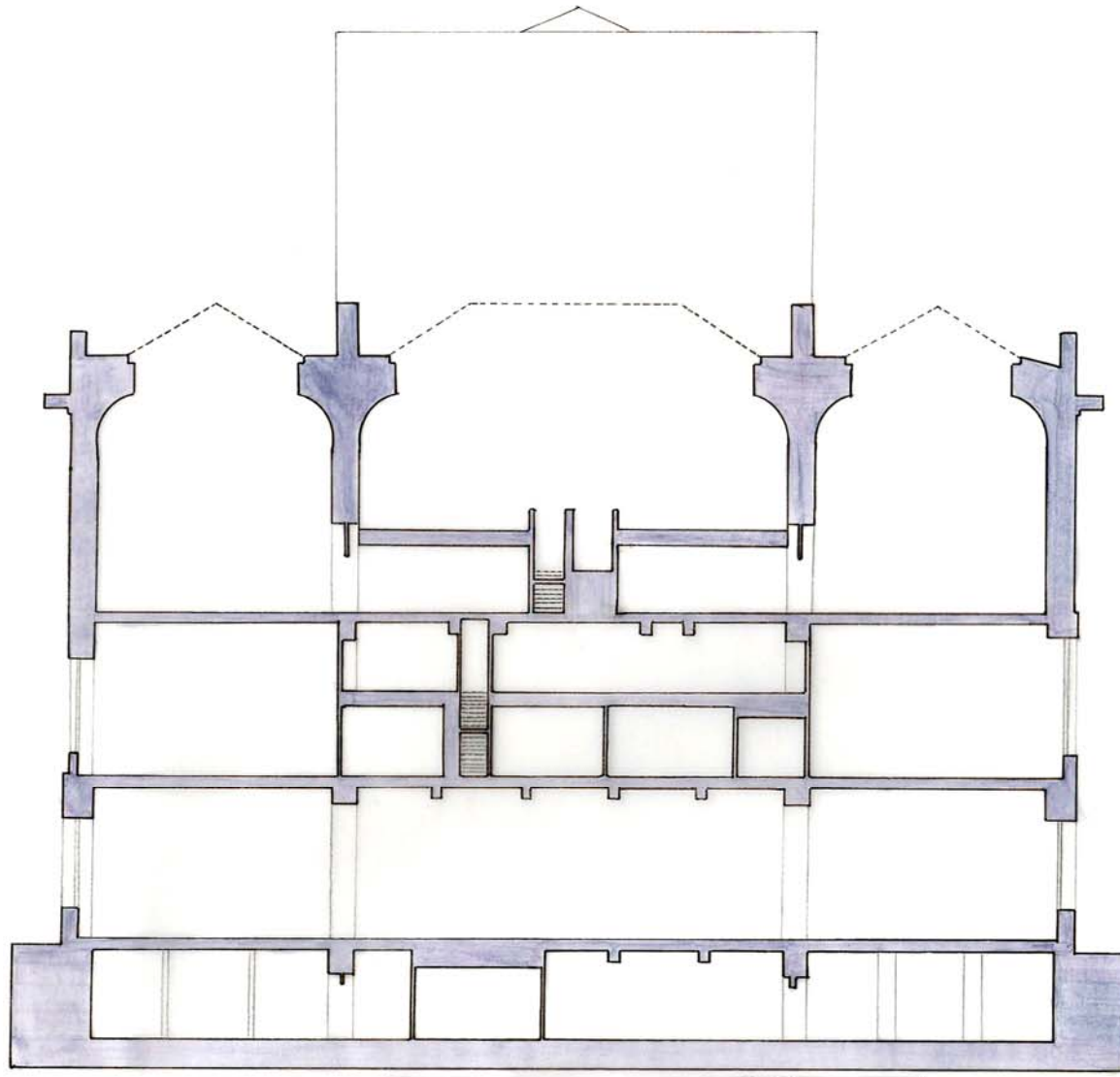
Perspective View
of Existing Harris Museum



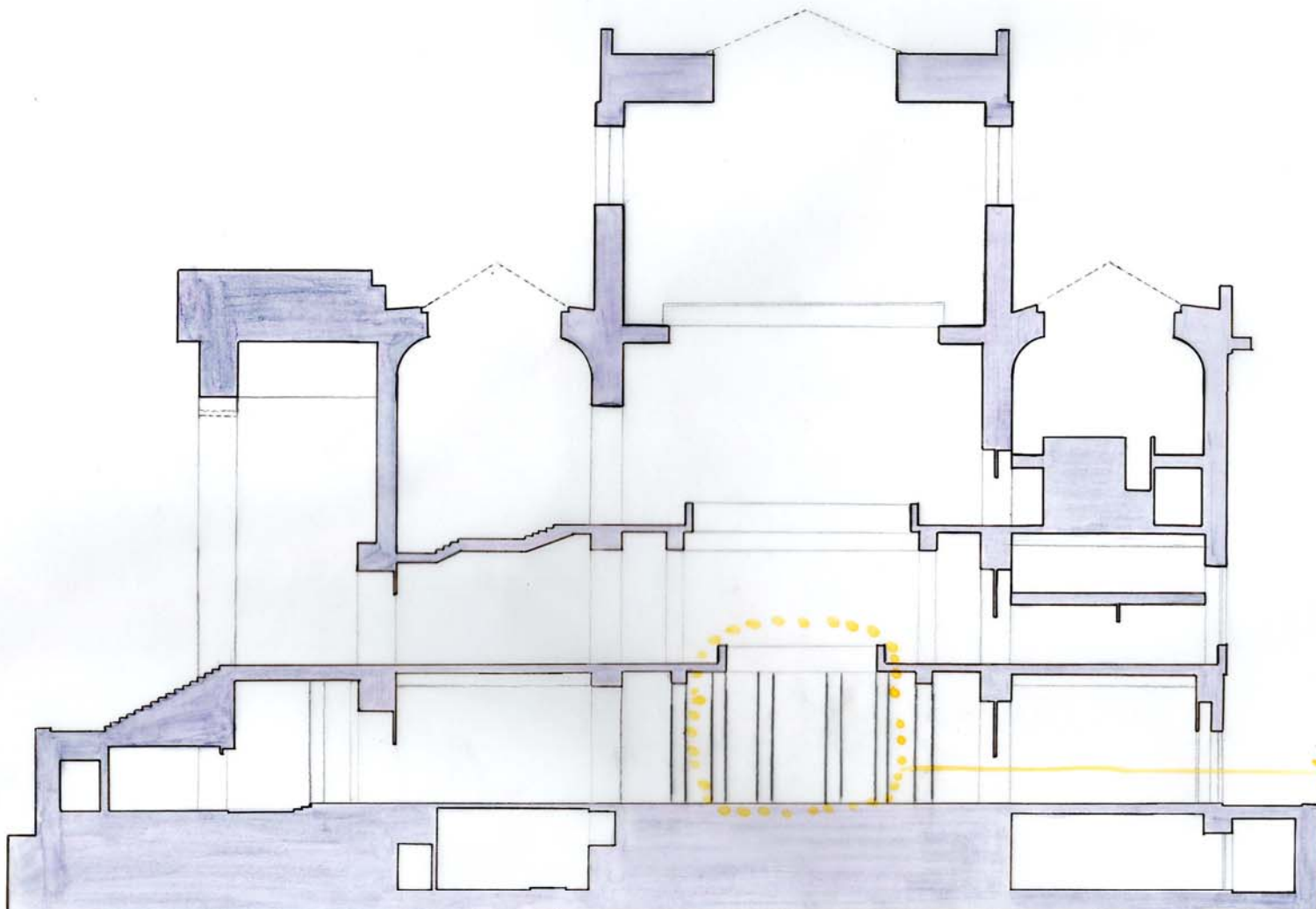
First Floor Plan
of Existing Harris Museum



Ground Floor Plan
of Existing Harris Museum



Section CC
of Existing Harris Museum



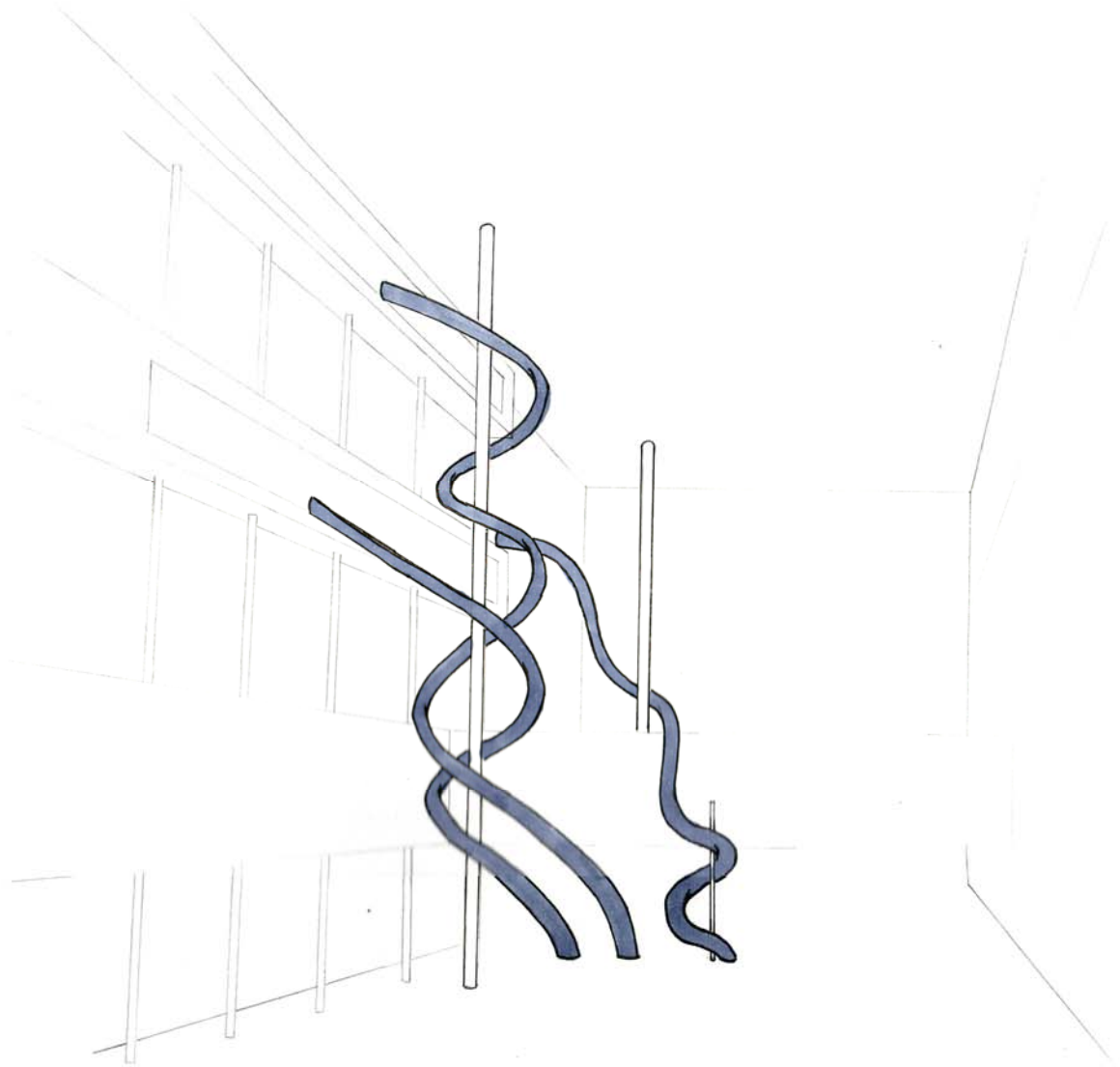
Section BB
of Existing Harris Museum

Sketch Model

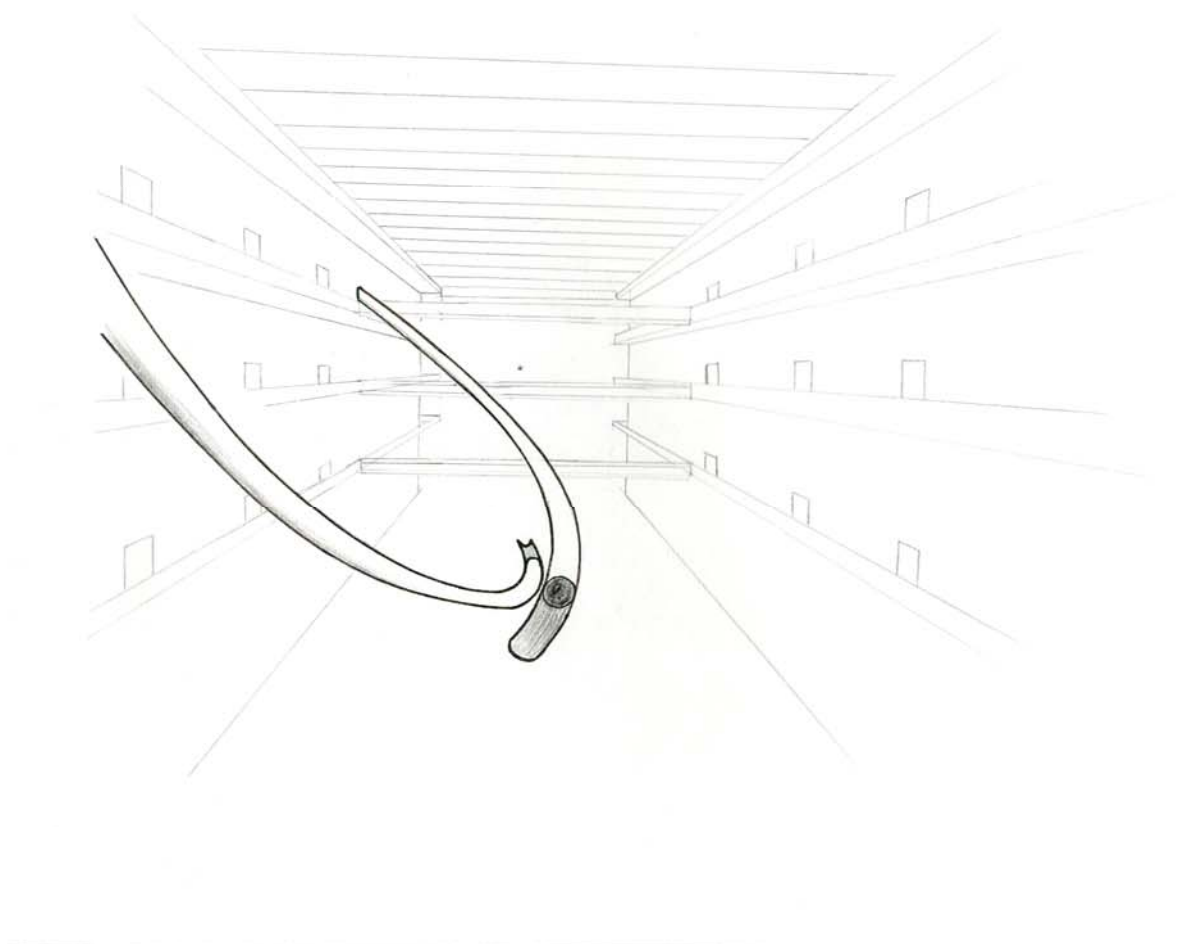


Precedent Studies

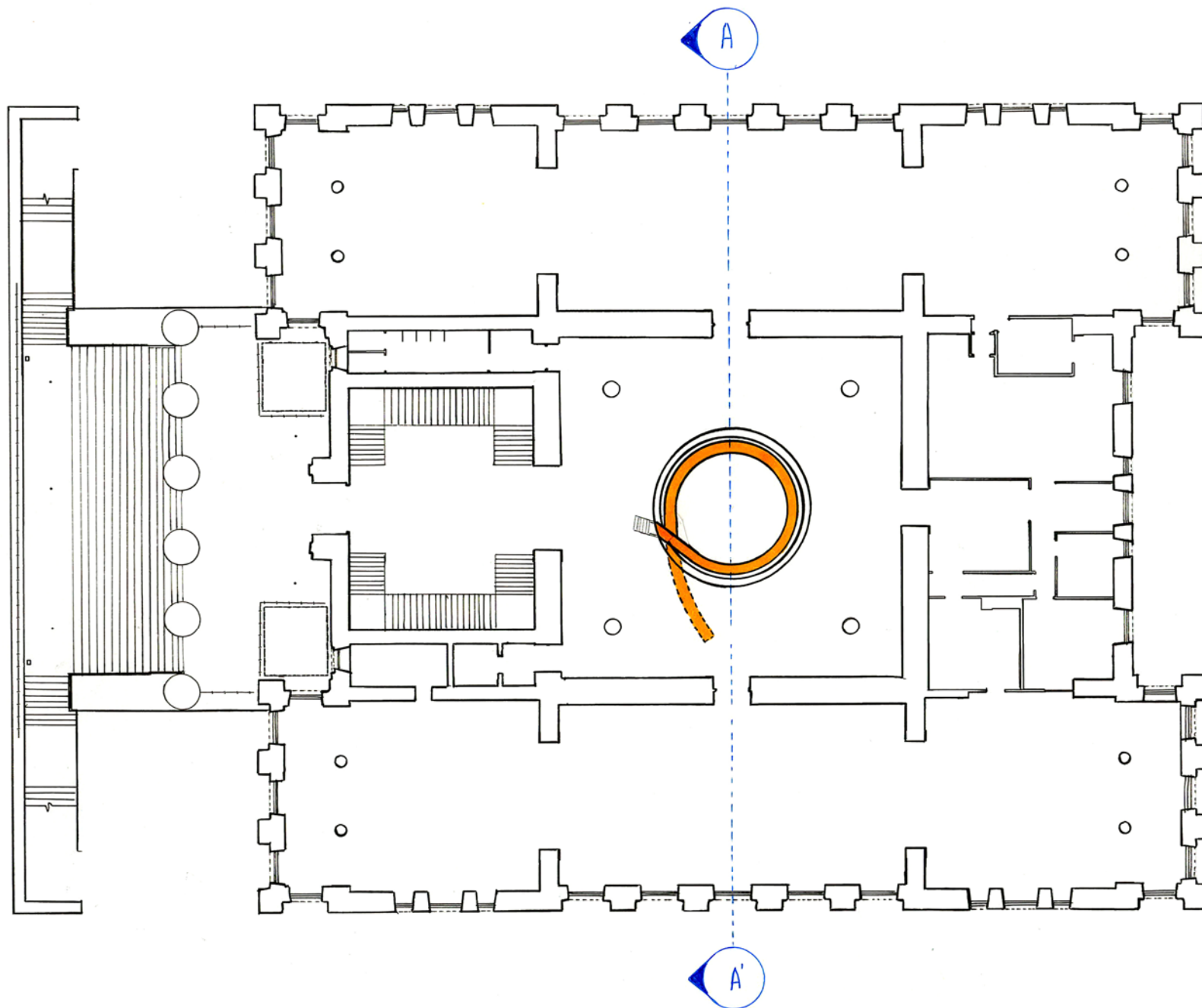
Tate Modern
in
London



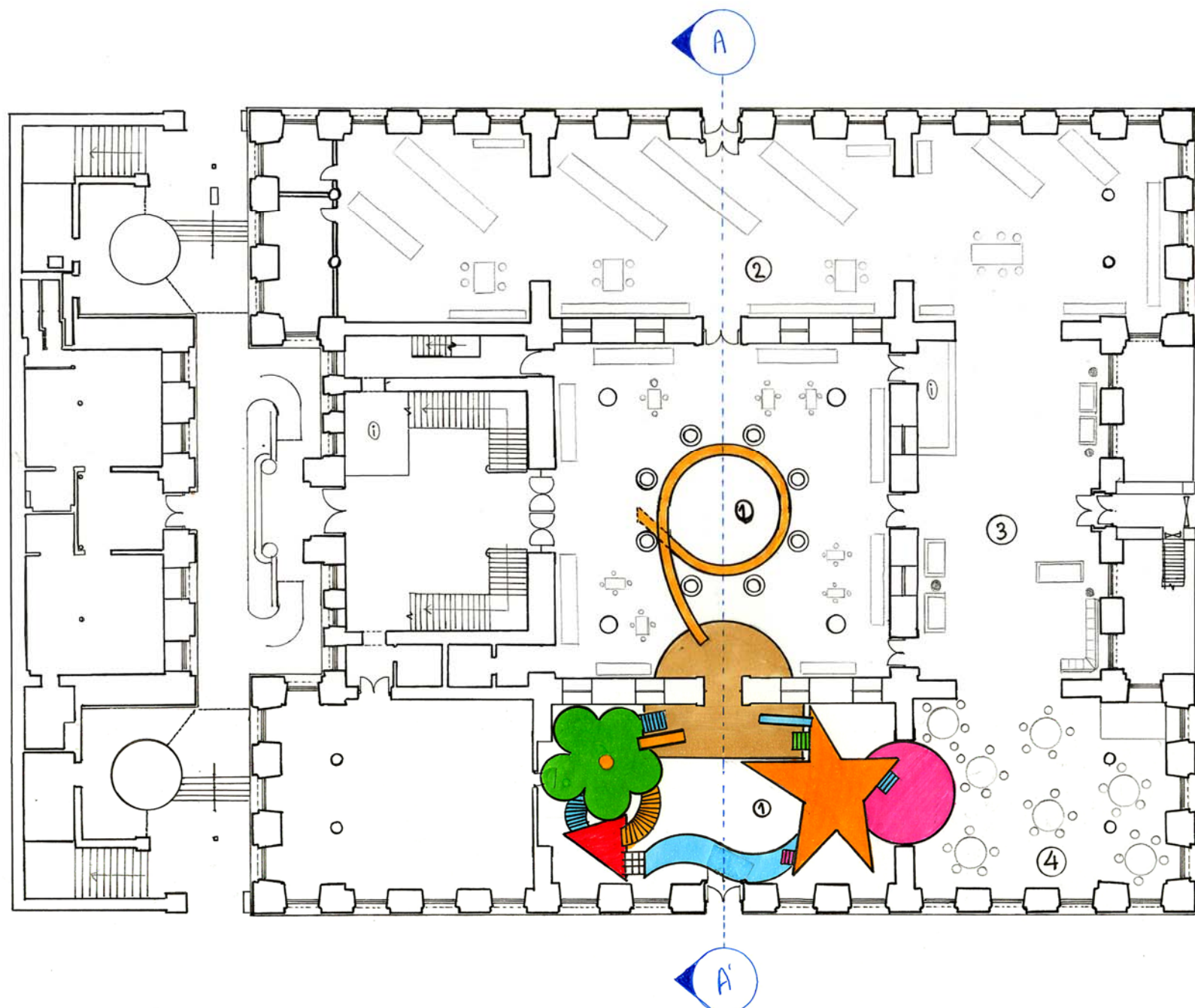
Technical University
in
Munich



Design Proposal

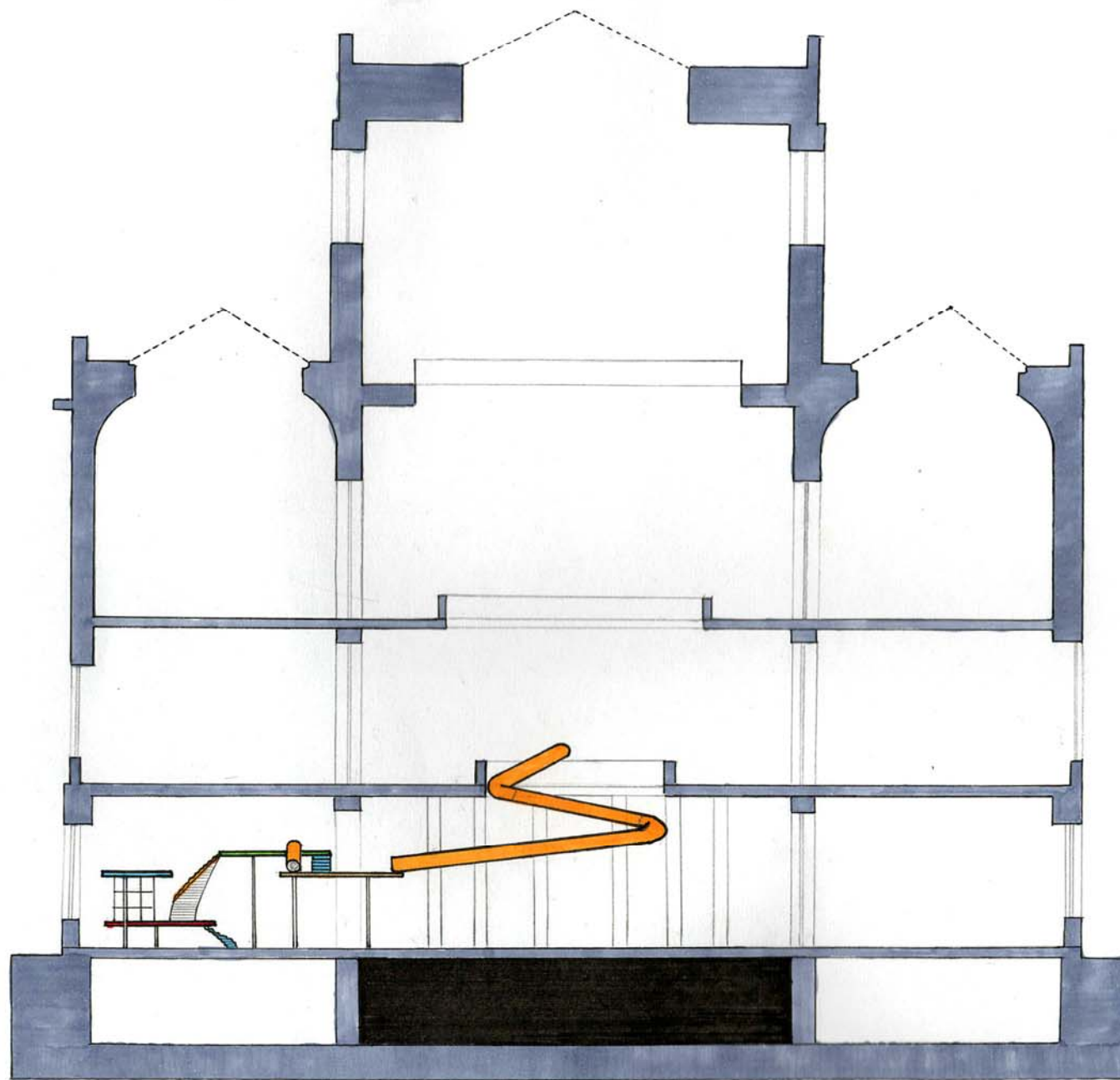


First Floor Plan



1. Children's Library
2. Lending Library
3. Lobby
4. Cafe

Ground Floor Plan



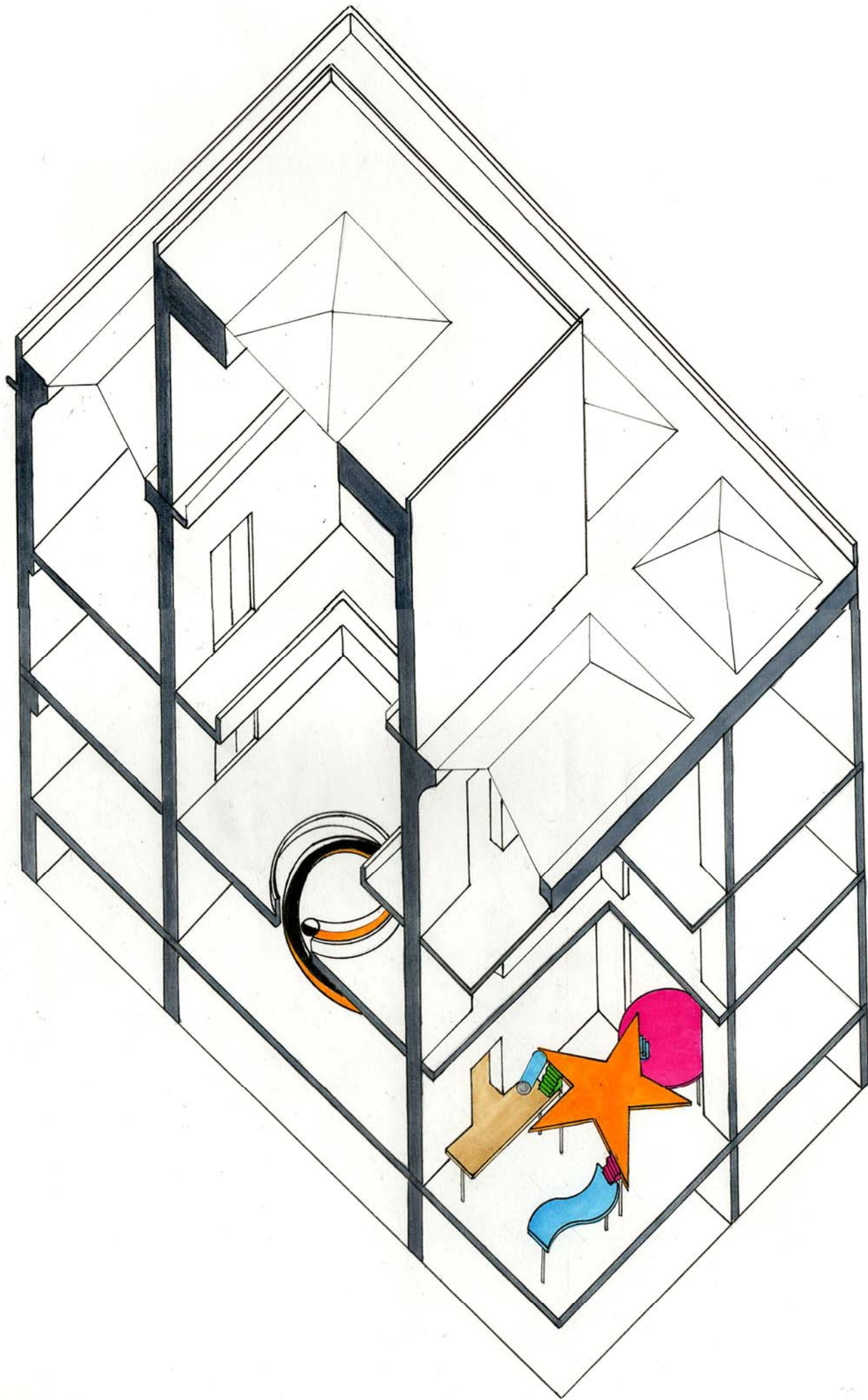
Section through AA'



Perspective Views

Perspective Views



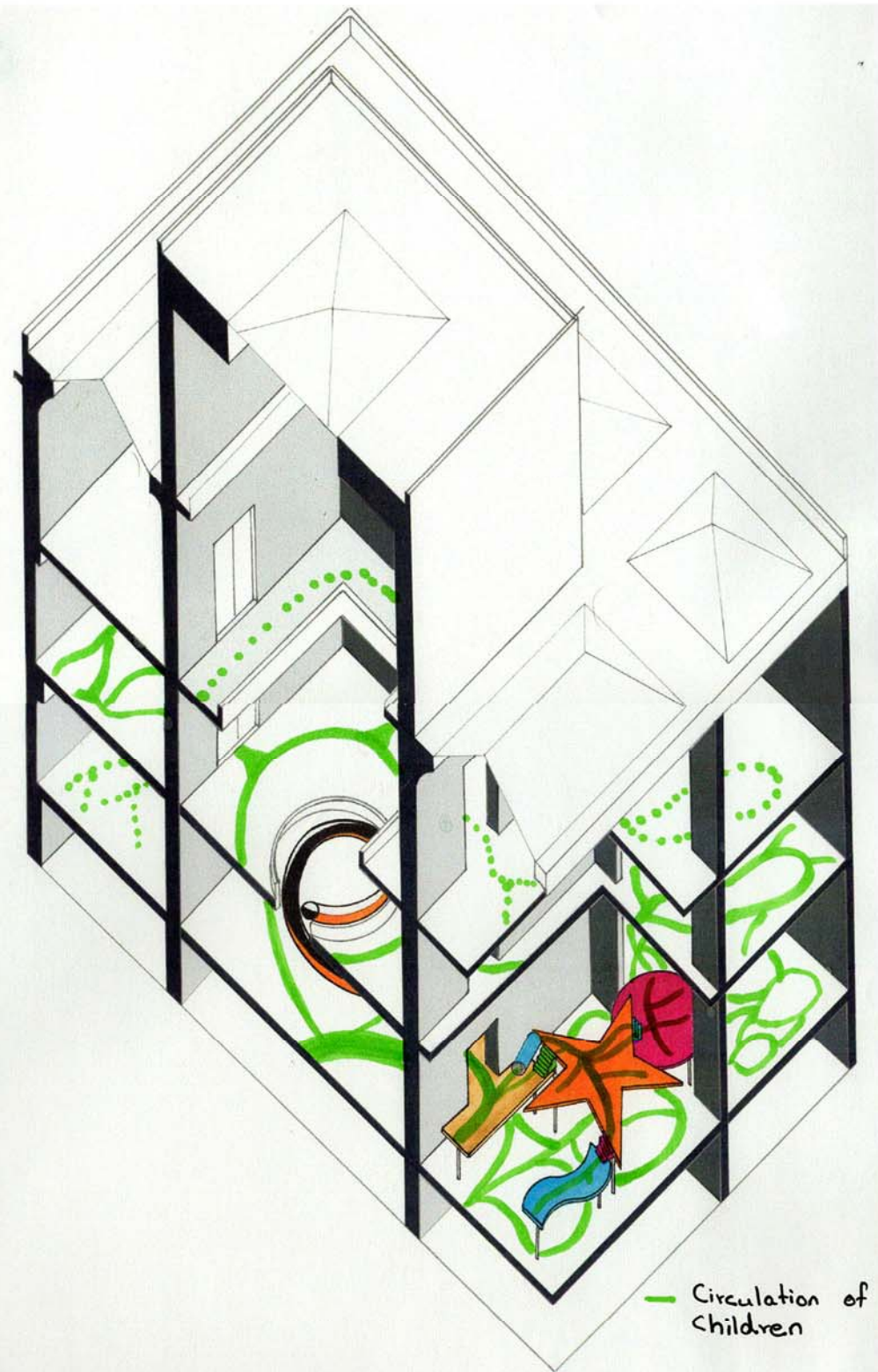


Axonometric Drawing

Building Analysis



Before Proposal



After Proposal

Project 3

A residential House for a particular client

By focusing on his own needs and lifestyle

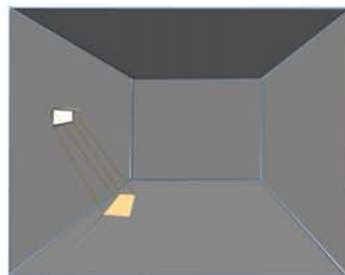
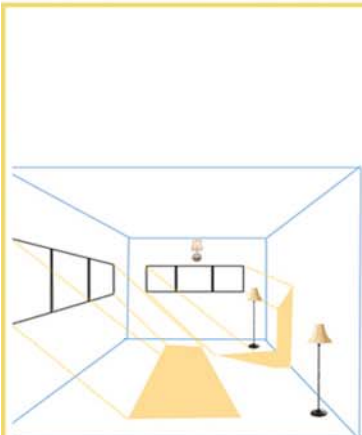
(with total maximum floor area limitation of 50 square metres)

Site – car parking in the corner of Market Street and Clayton's Gate

Client's personal life

A chinese ecologist named Tang Hu who collects water samples in and around Preston

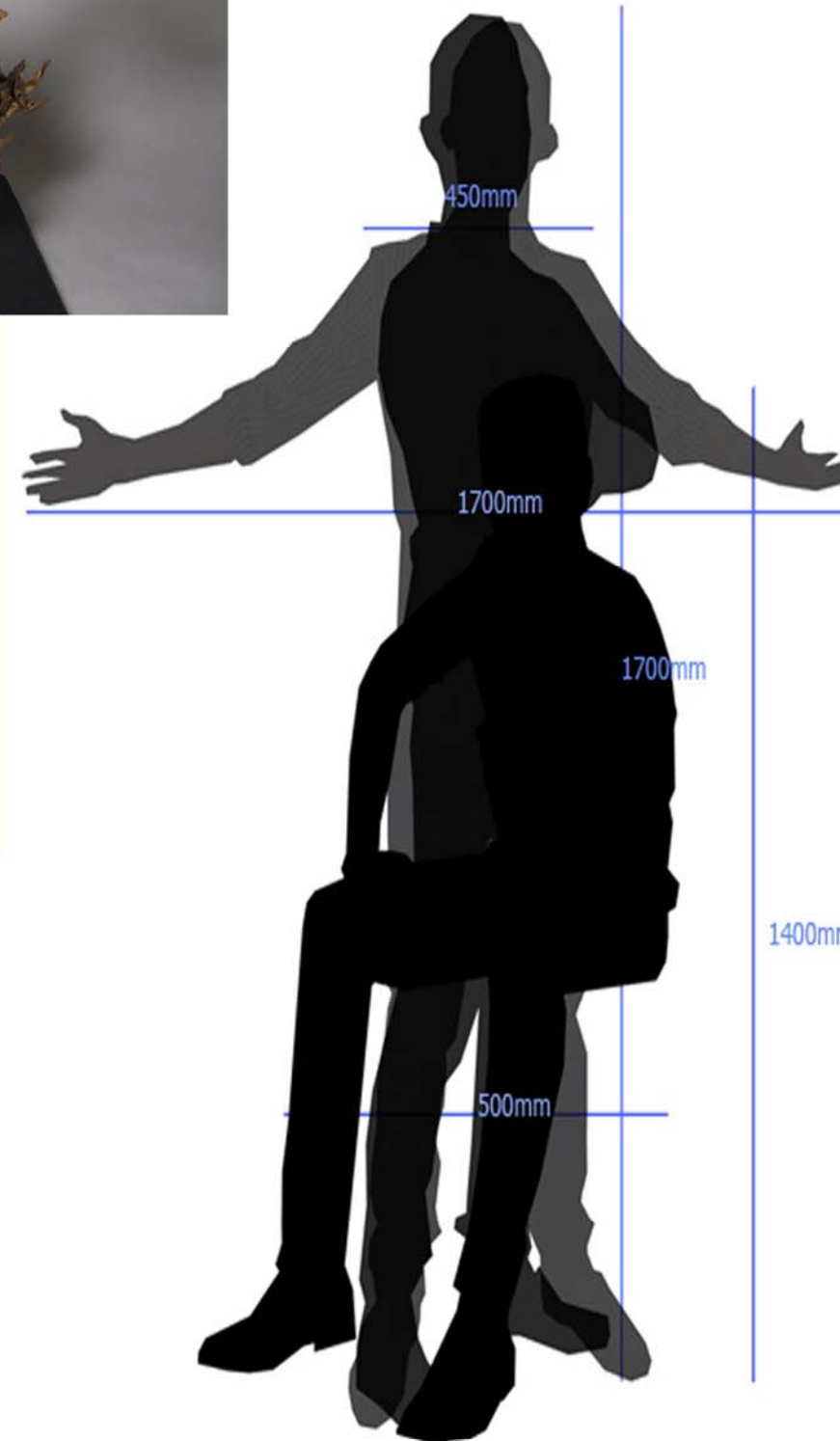
Origami making hobby



Nyctophobia
(Fear of darkness)



Favourite Food

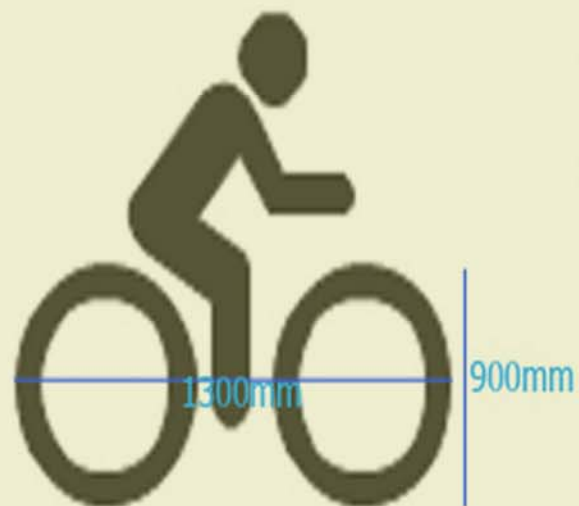


Water sample
tubes

Tai Chi

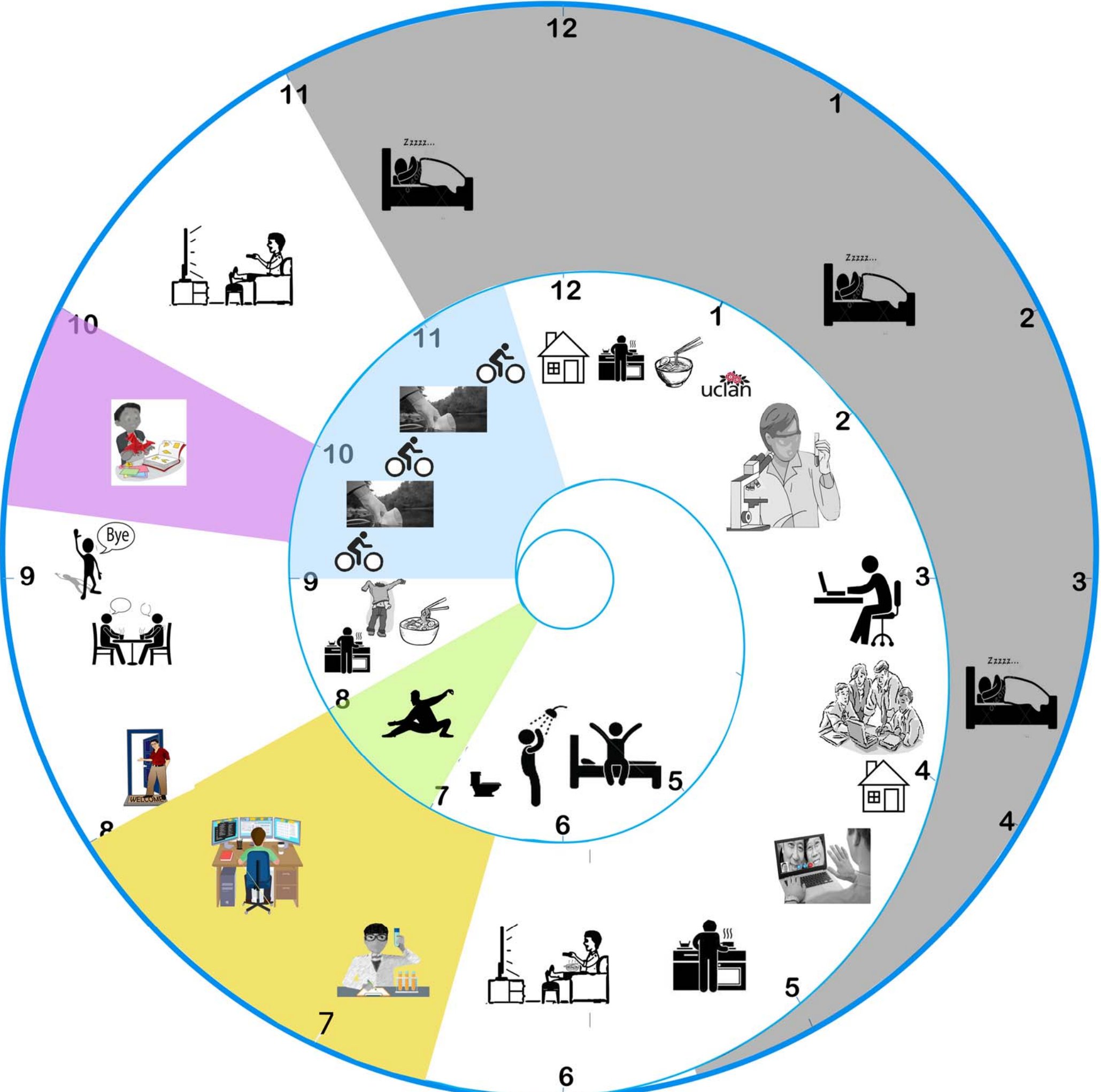
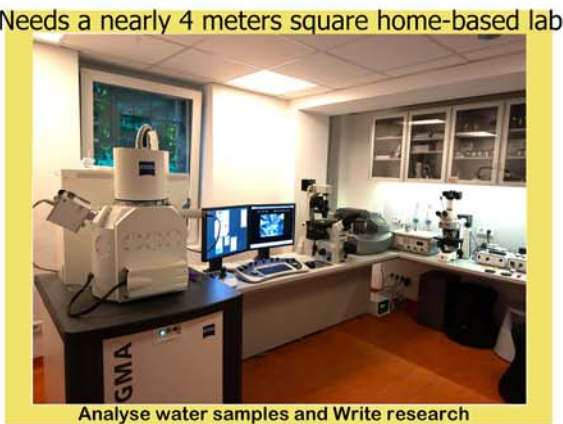


Chinese foot
massage rocks



Has a city bike

24 Hours Narrative

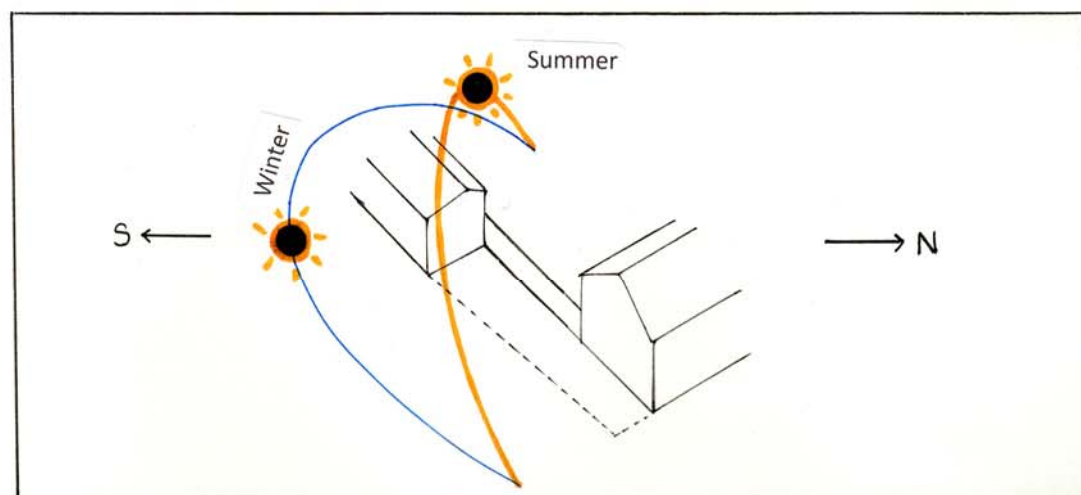




Sunlight hitting the site at 11 am



Sunlight hitting the site at 3 pm



Typical Sun Path of the site



Traffic around the site based on movement

- Fast movement
- Moderate movement
- Slow movement



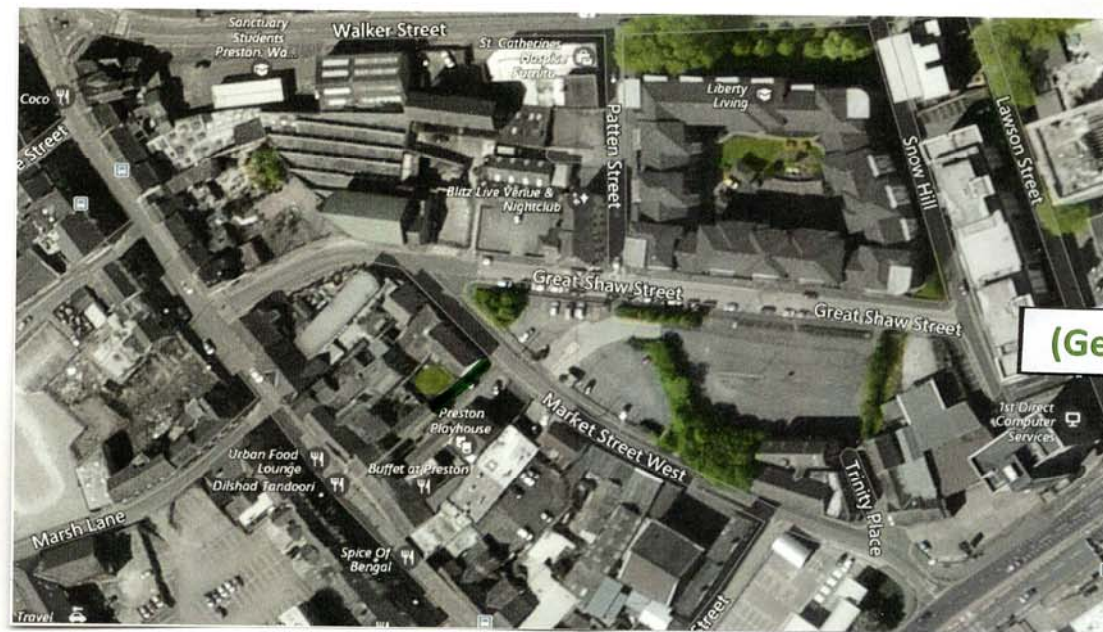
Pedestrian around the site based on density

- High density
- Medium density
- ... Low density

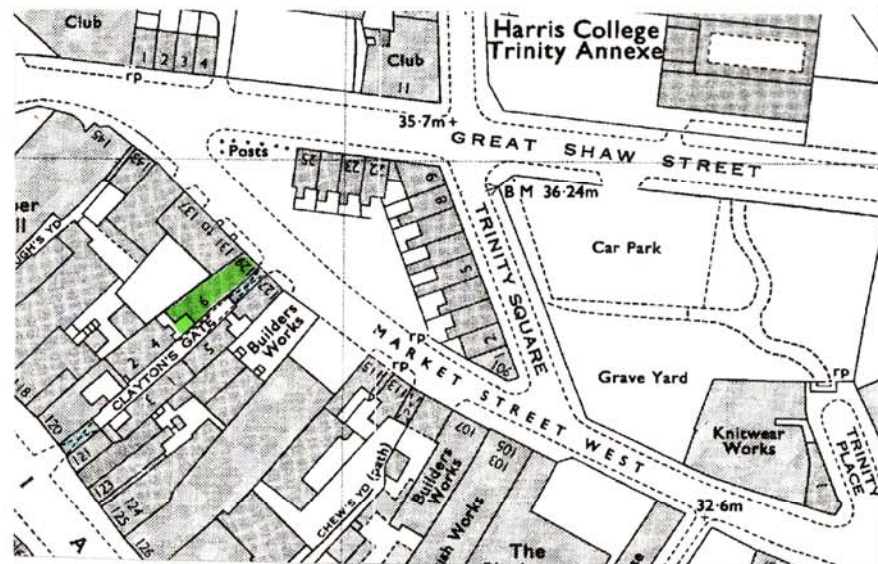
Site Plan Throughout History



1840s Site plan



Current Site Plan



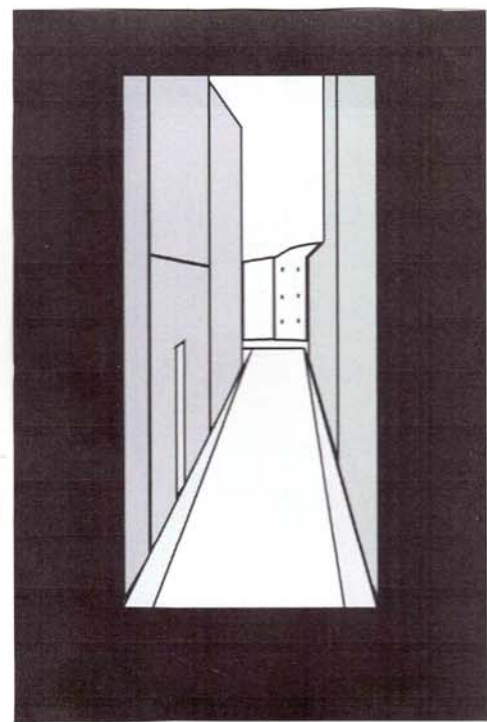
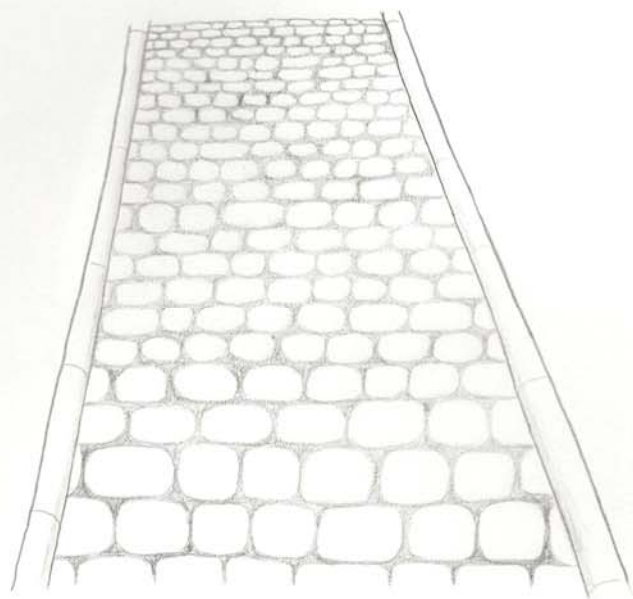
1970s Site Plan

ROOF GARDEN
(or)
FRONT YARD
(or)
BACK YARD

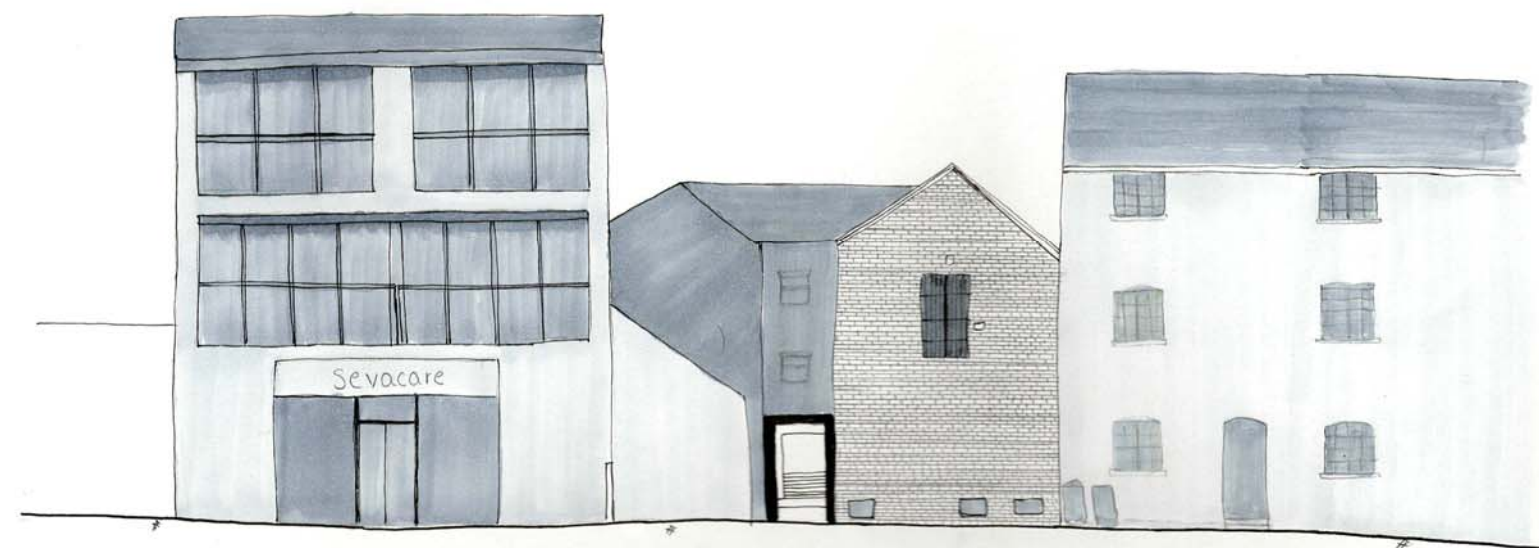
- Arch tunnel
- Site with a building
- Site without a building (current)



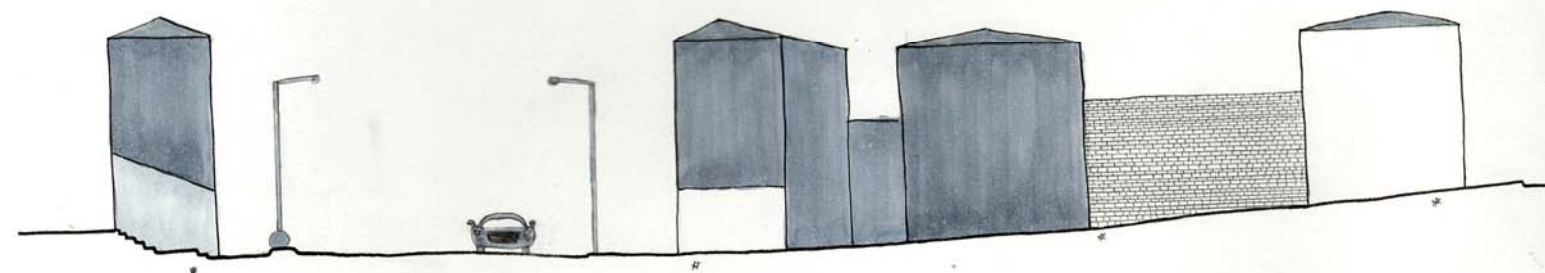
Site Plan (1:50) 



EMOTIONAL RESPONSE TO THE SITE

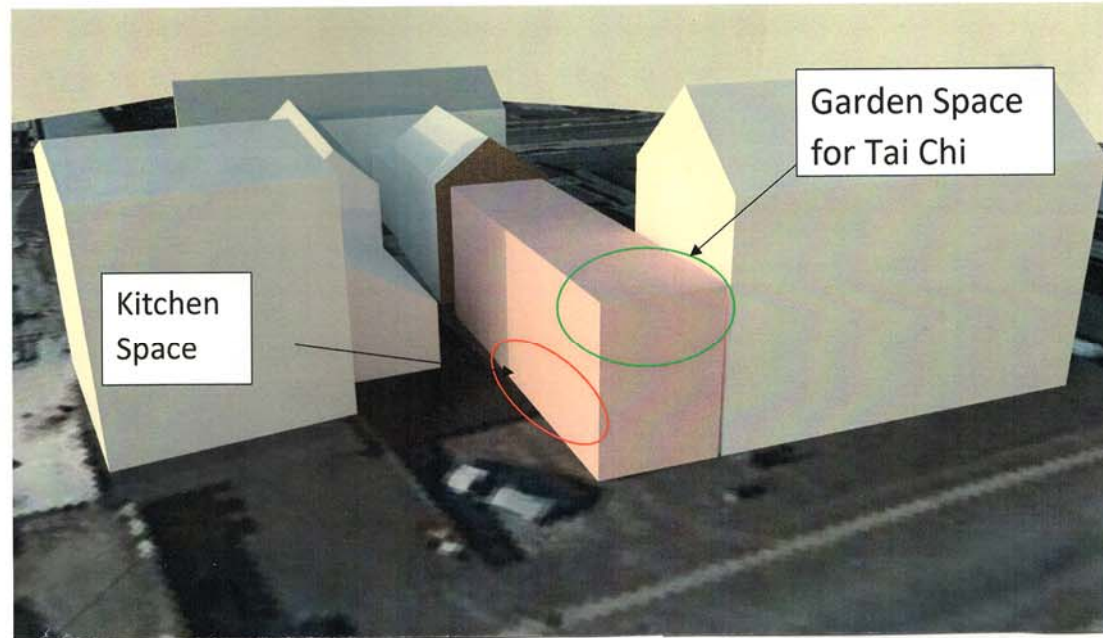


CROSS SECTION OF THE SITE

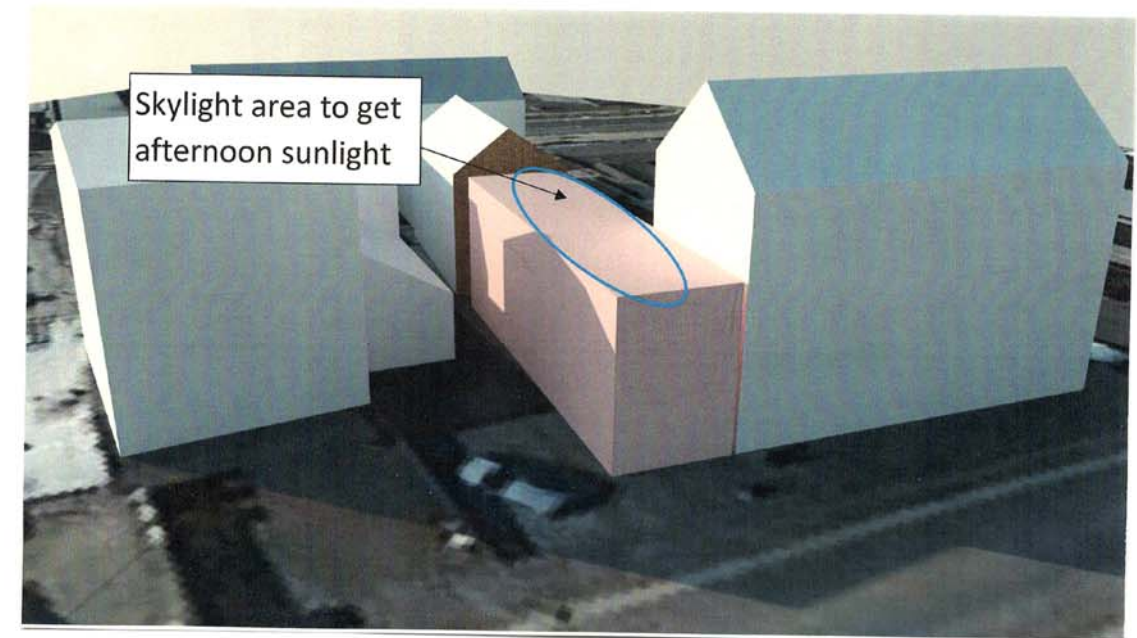


LONGITUDINAL SECTION OF THE SITE

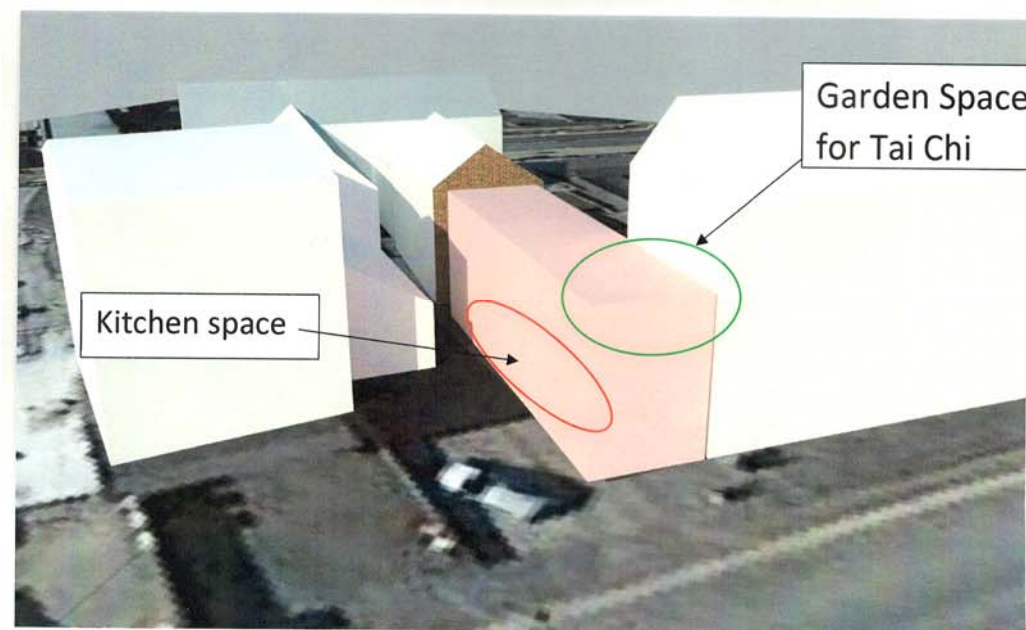
Sunlight Testing and Zoning



Winter at 7 am



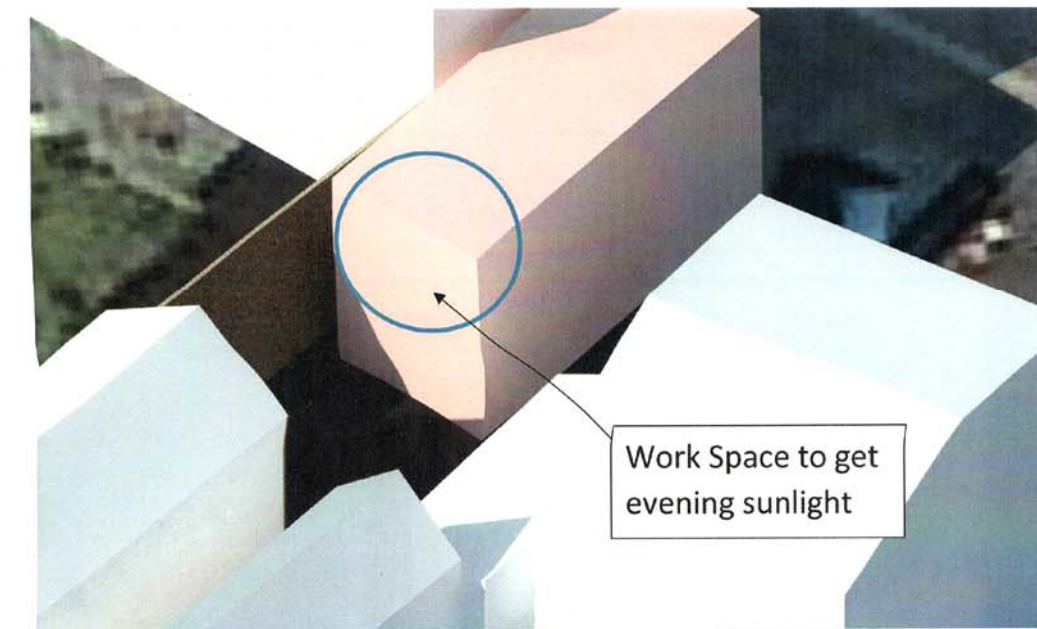
Winter at 12:30pm



Summer at 7 am



Summer at 12:30pm



Summer at 7pm

DESIGN CONCEPT



→ Opposite elements in one →

Working Space

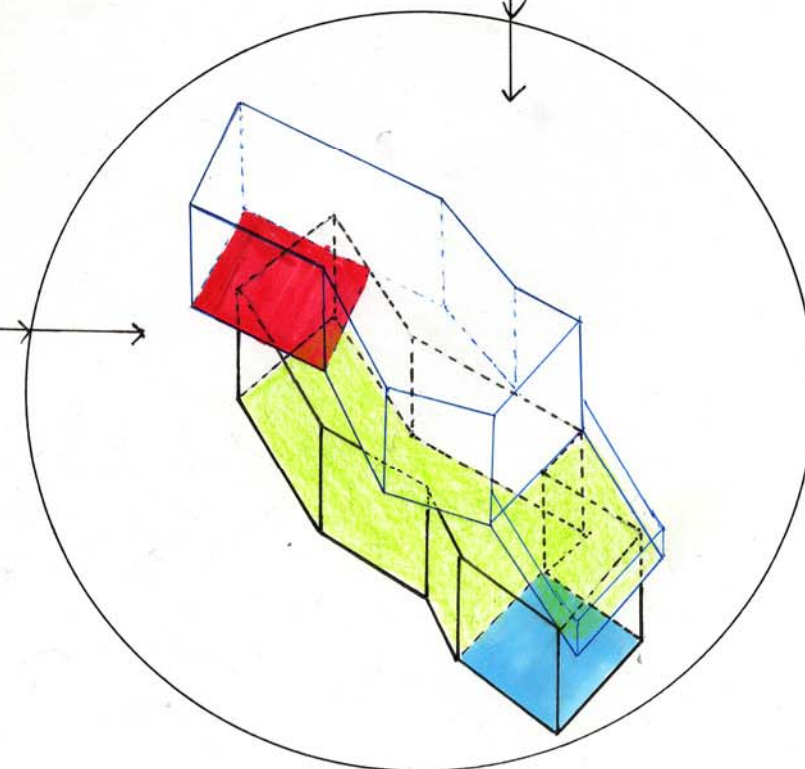
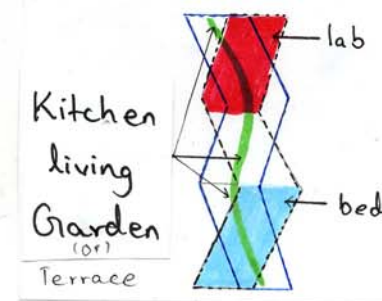
Entertaining Space

Resting Space

Divides



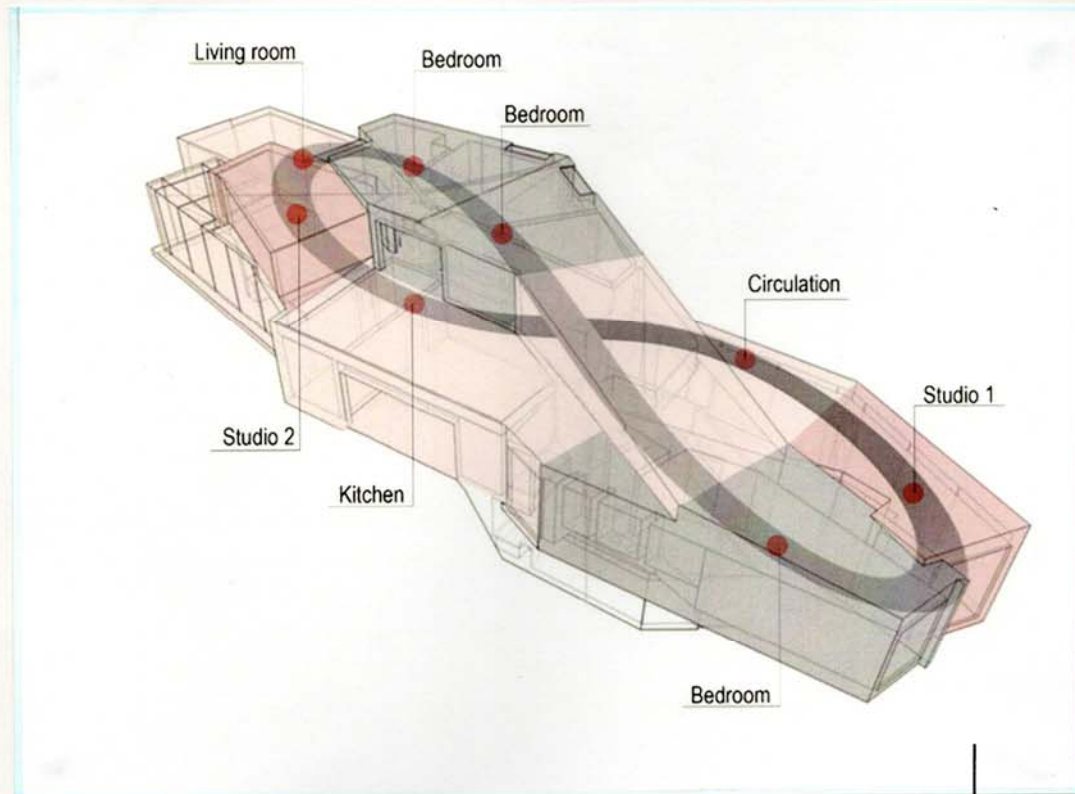
Fold in half



Folding



Precedent Studies



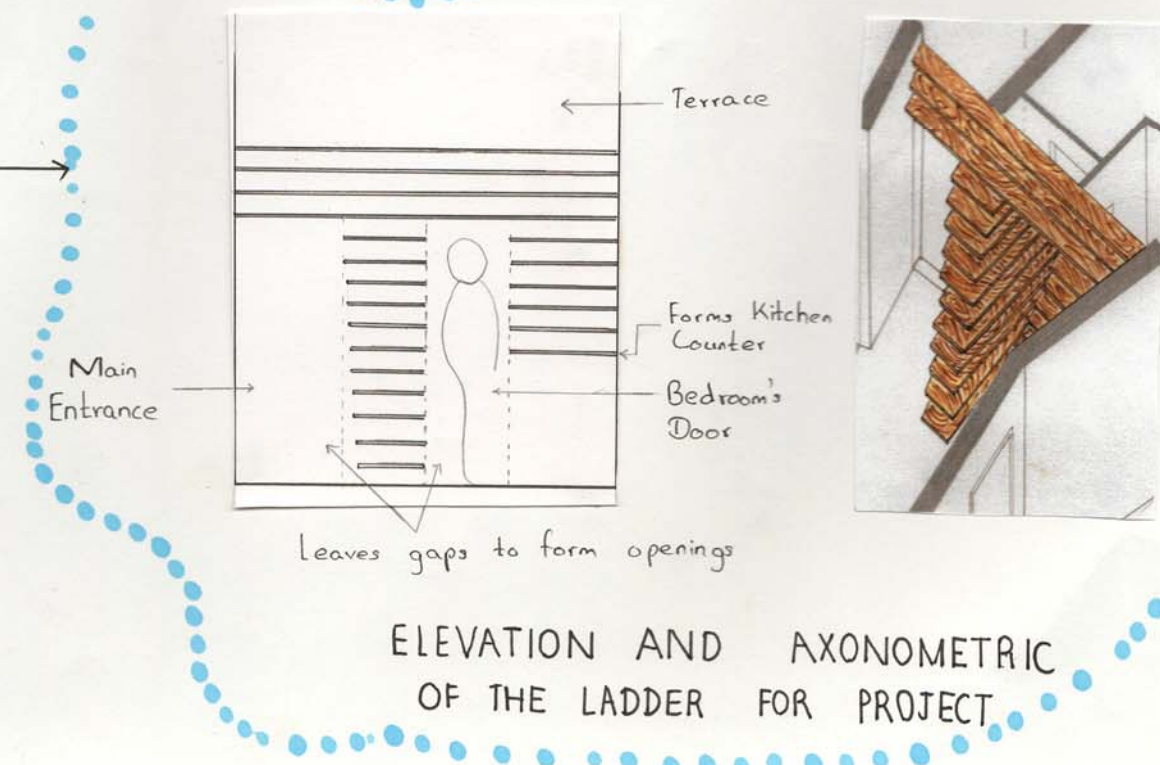
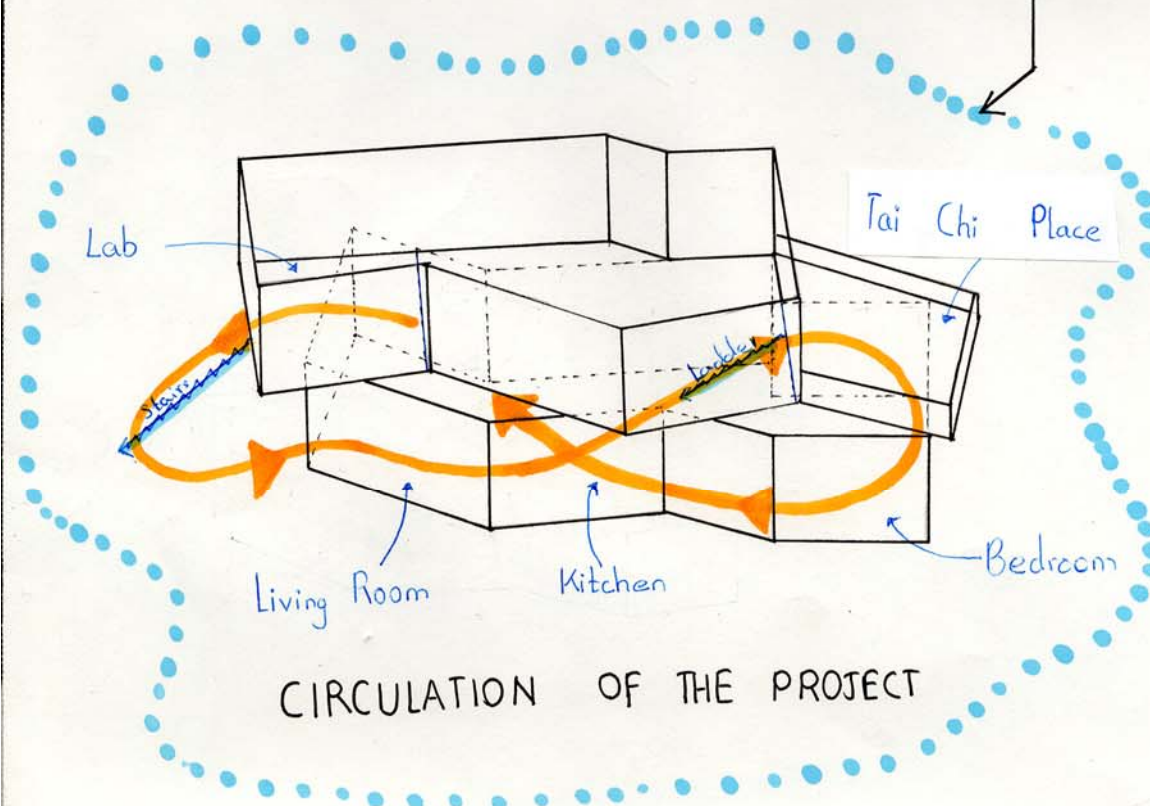
Mobius house in Netherlands
(Continuous loop of circulation)



Stairs House in Japan
(Continuous stairs with gaps as openings)

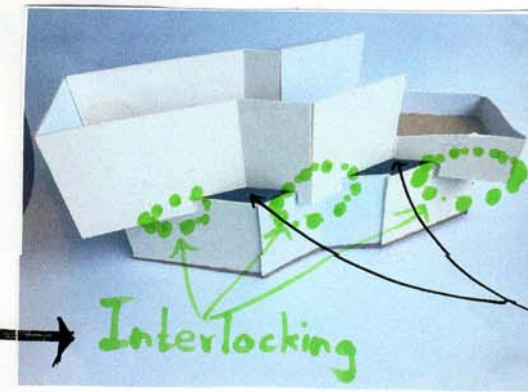
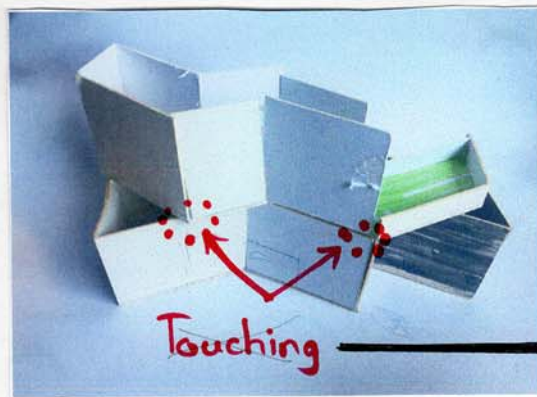


Alley House in Australia
(Very steep and wide staircase)

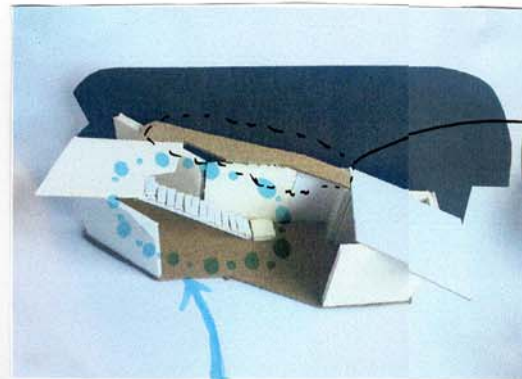
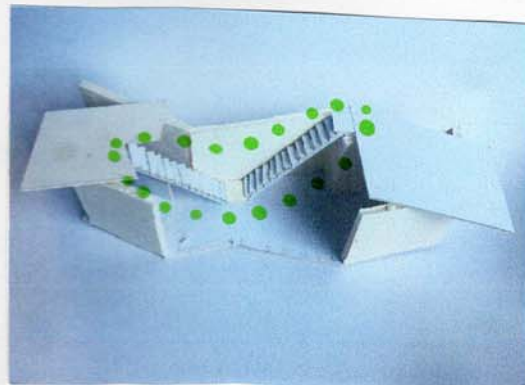


ELEVATION AND AXONOMETRIC
OF THE LADDER FOR PROJECT

Design Process



Sky light



Walkway to the terrace

Double Stairs take too much space

Single Stairs still takes too much space

Useless space

not enough skylight

Flip upside down

Opens up

Access to the garden

main Entrance

Enough Sunlight

Plans =>



opens up

Double Stairs

Backyard

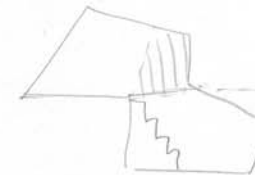
access to the backyard

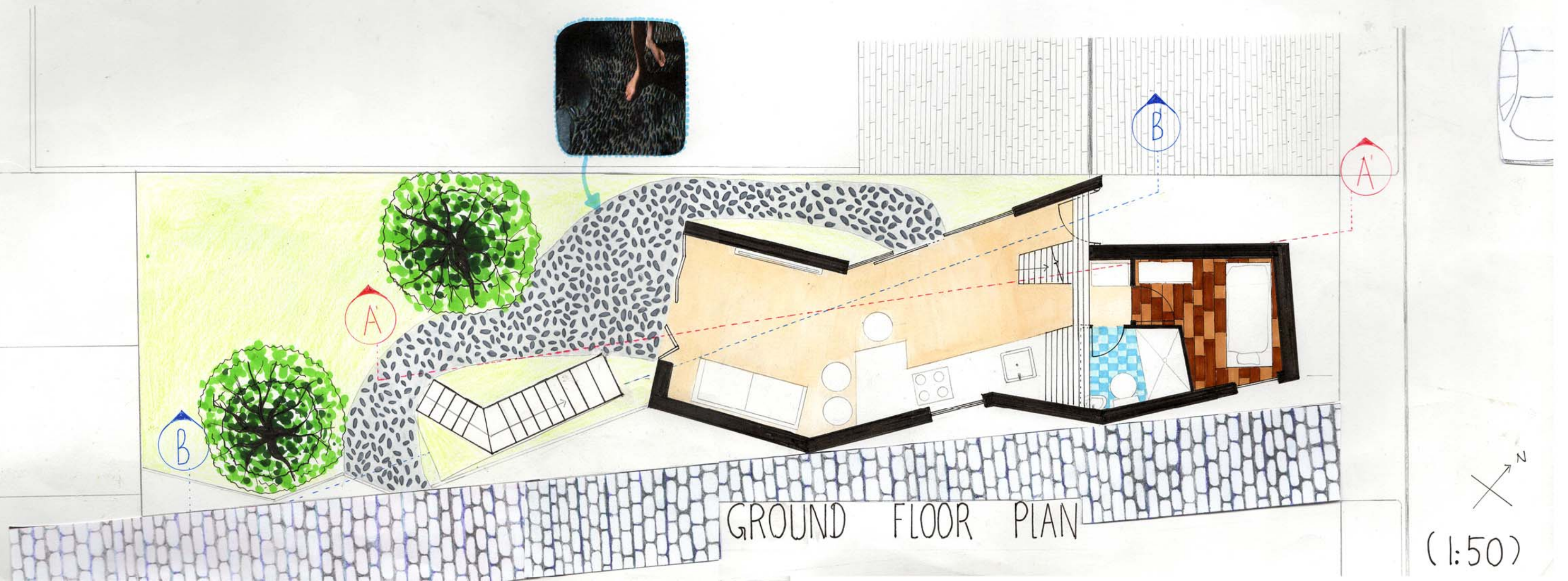
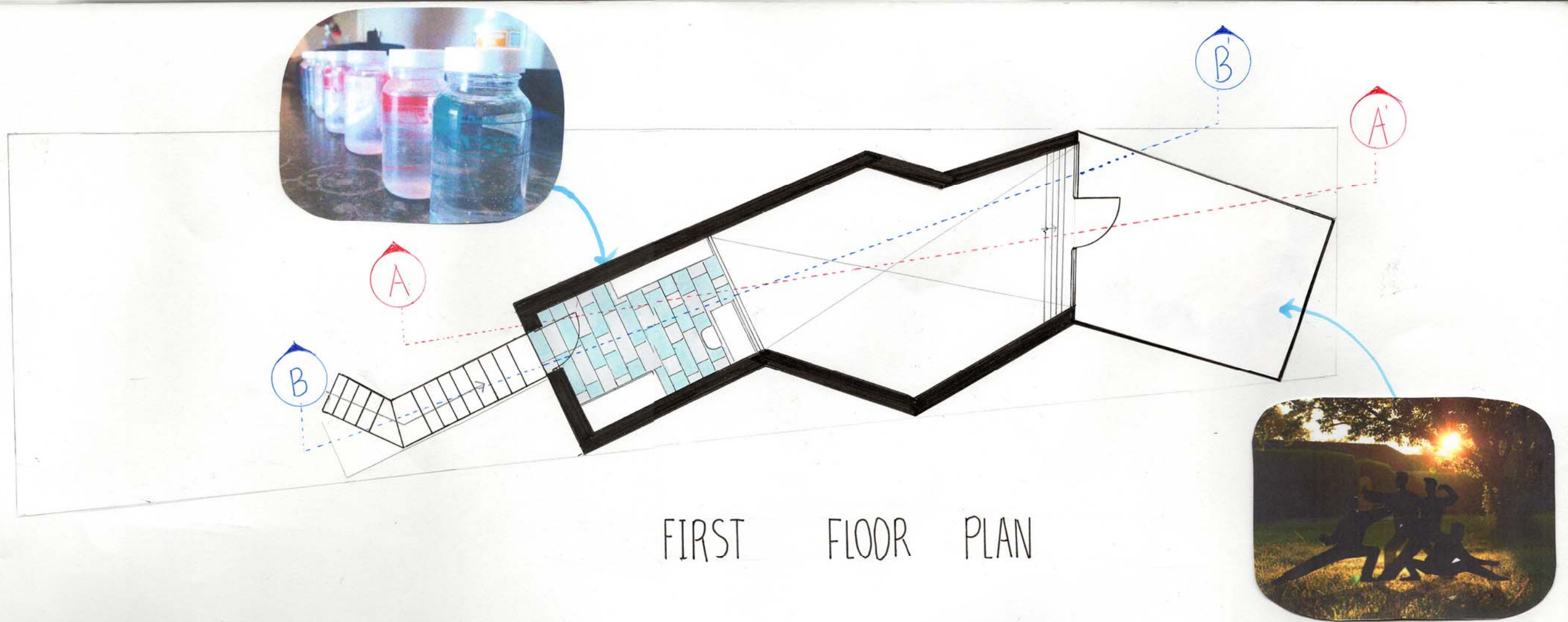
Section =>



Dark

Bright



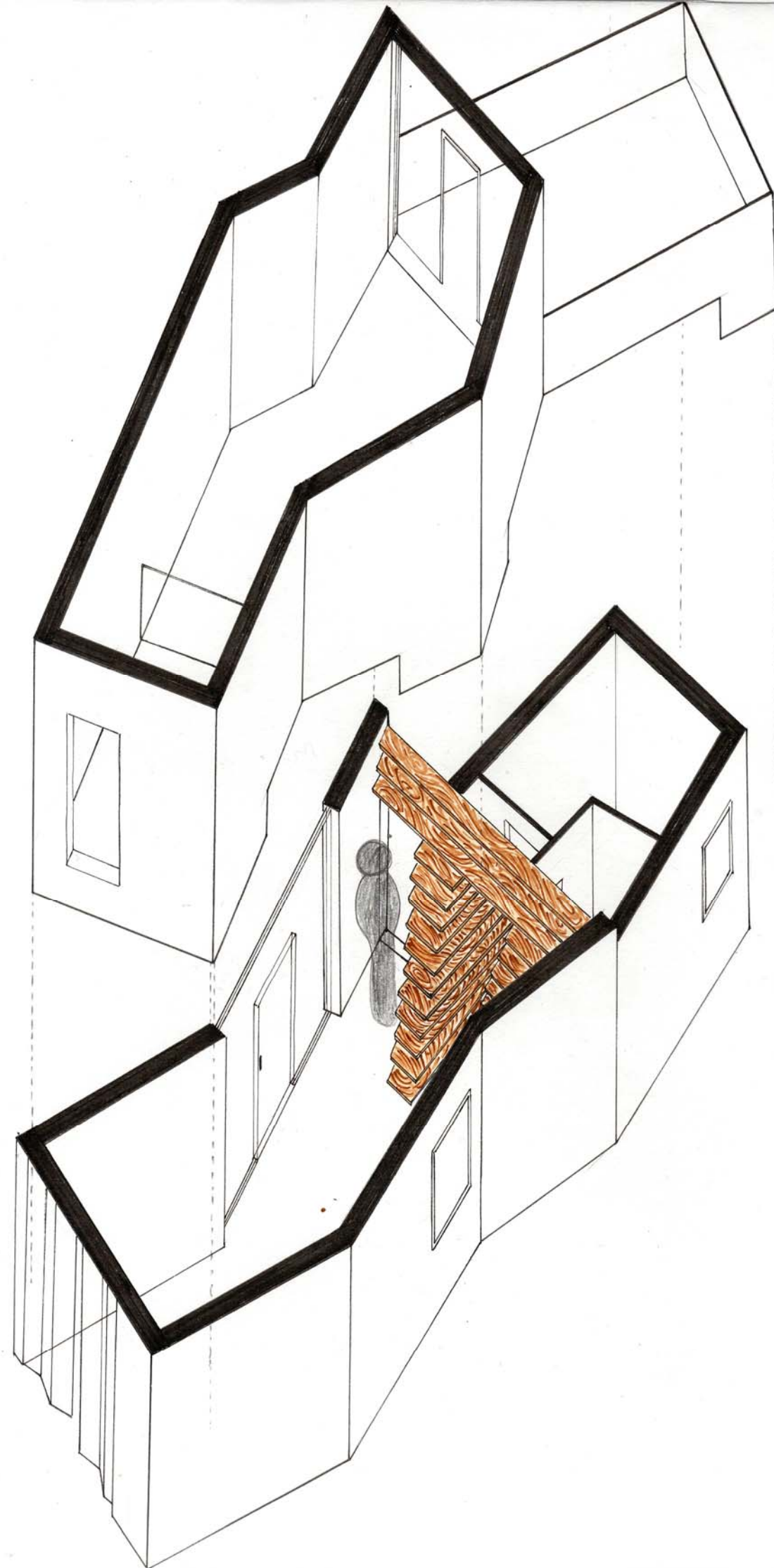




SECTION THROUGH AA

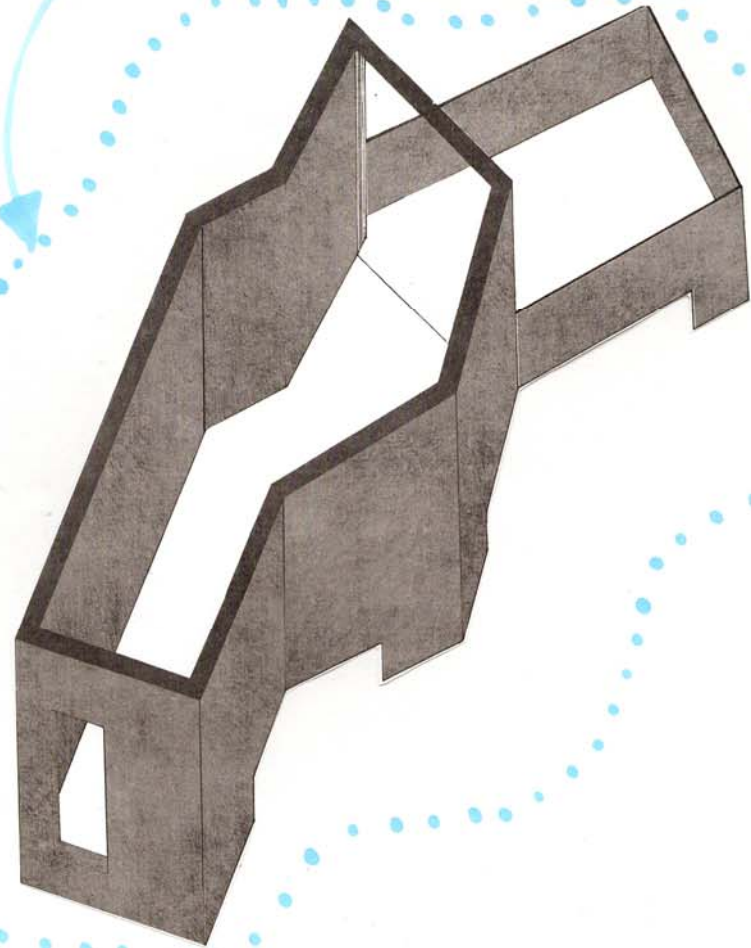
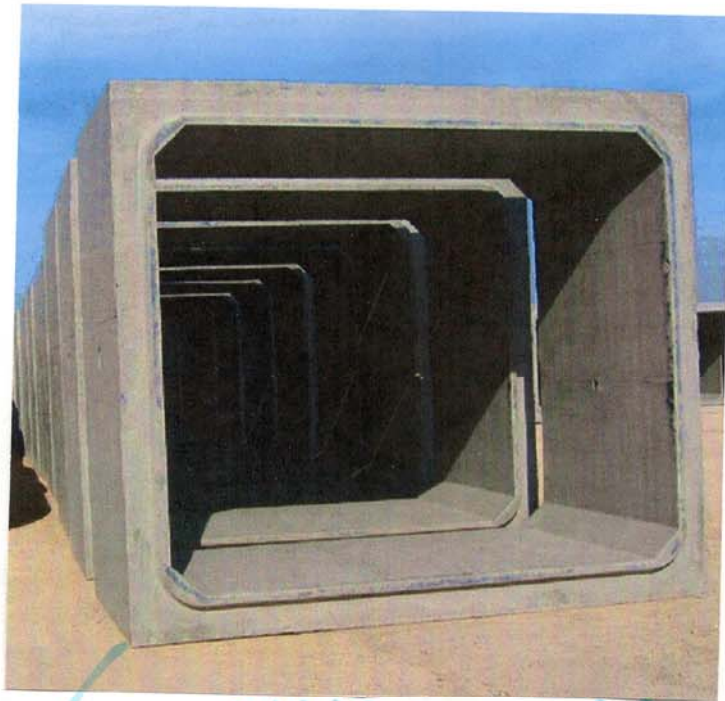


SECTION THROUGH BB

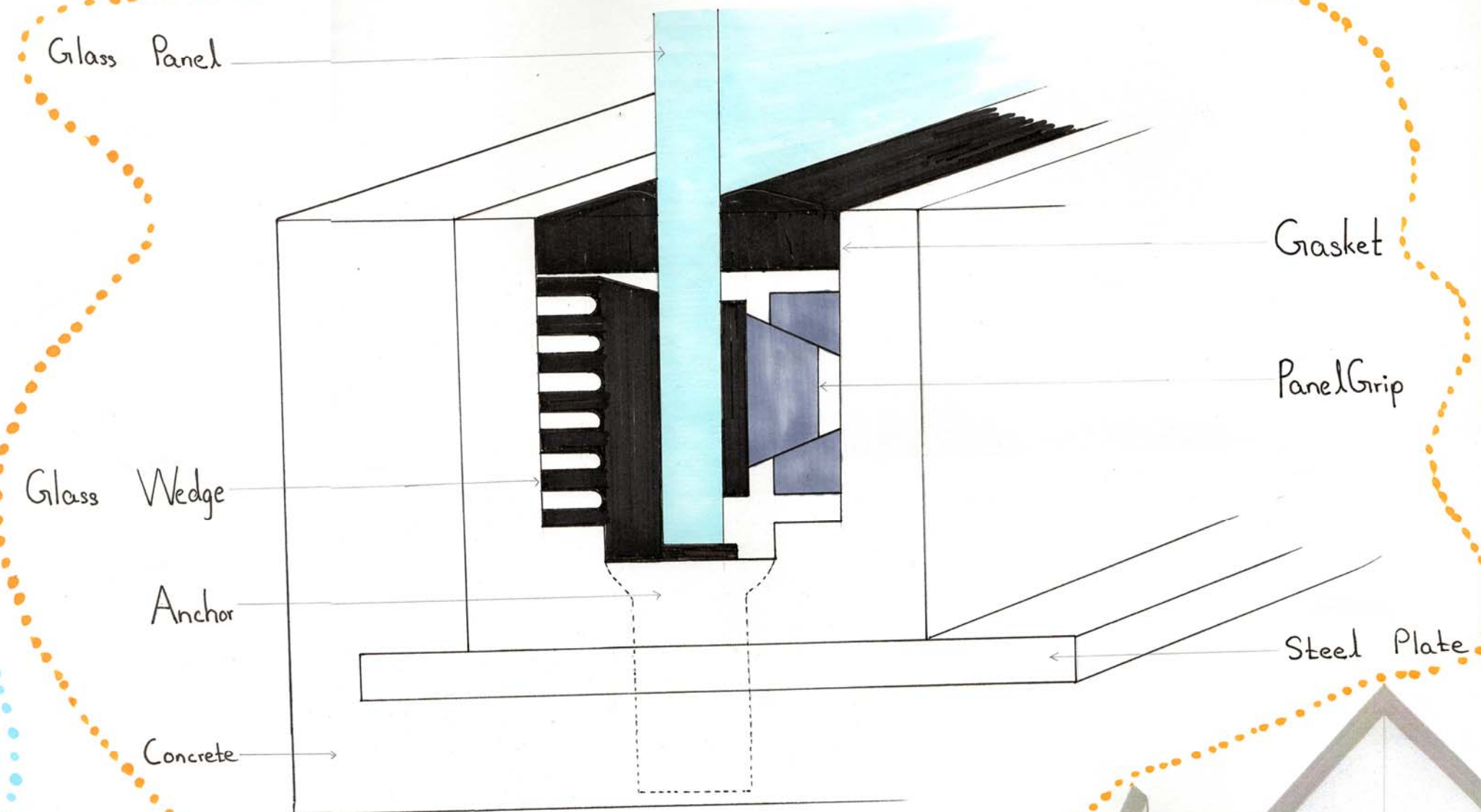


EXPLODED
AXONOMETRIC

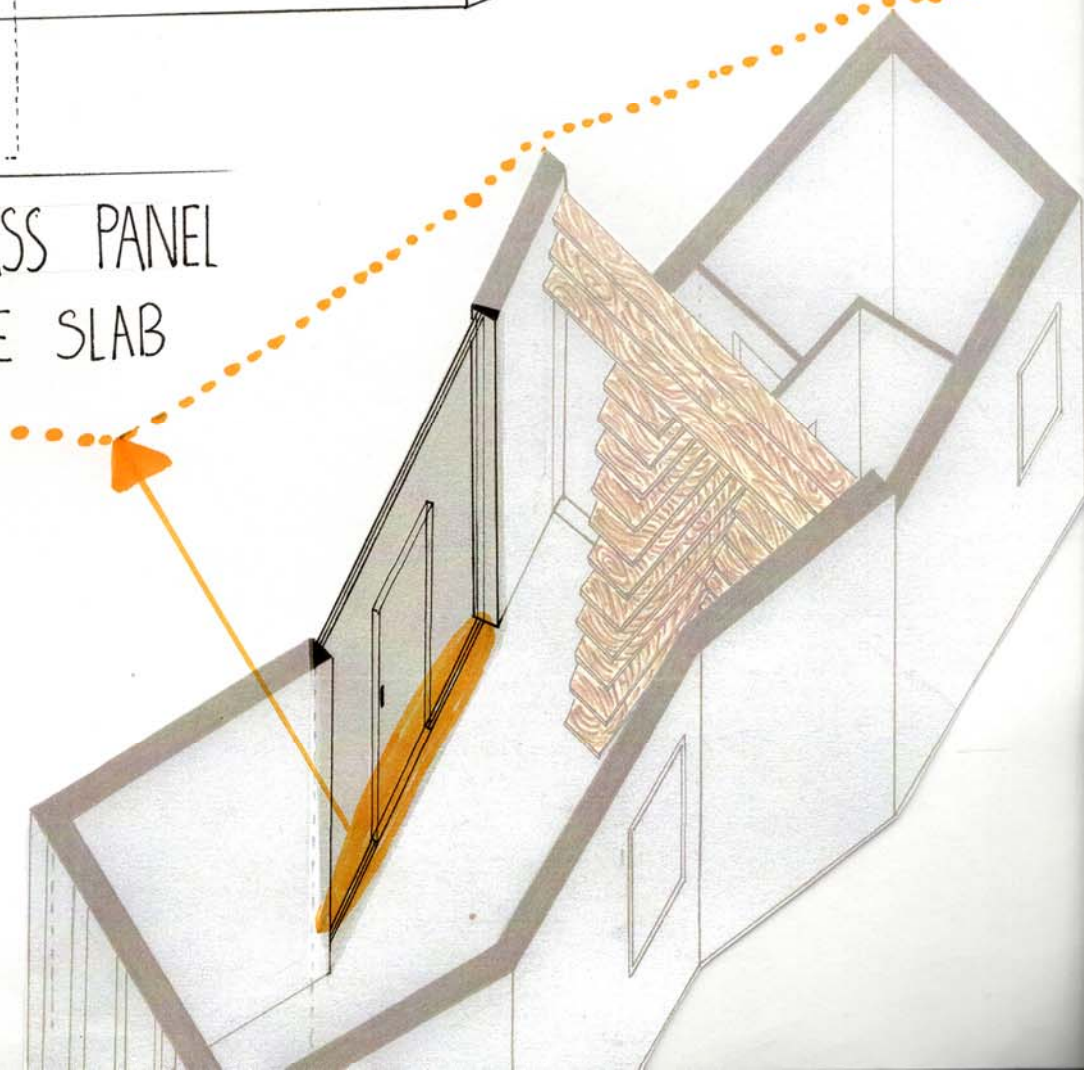
Structural System and Detail Connection



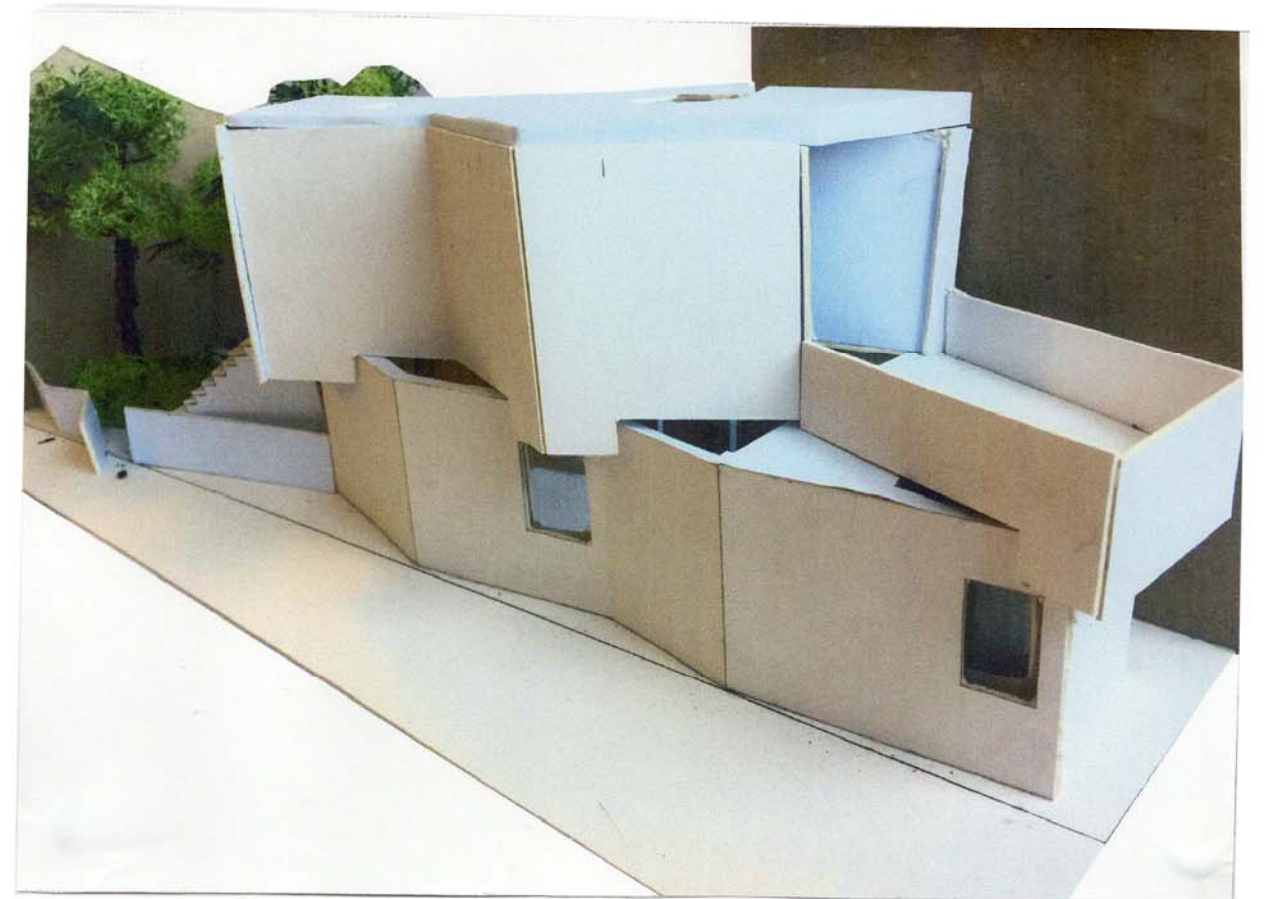
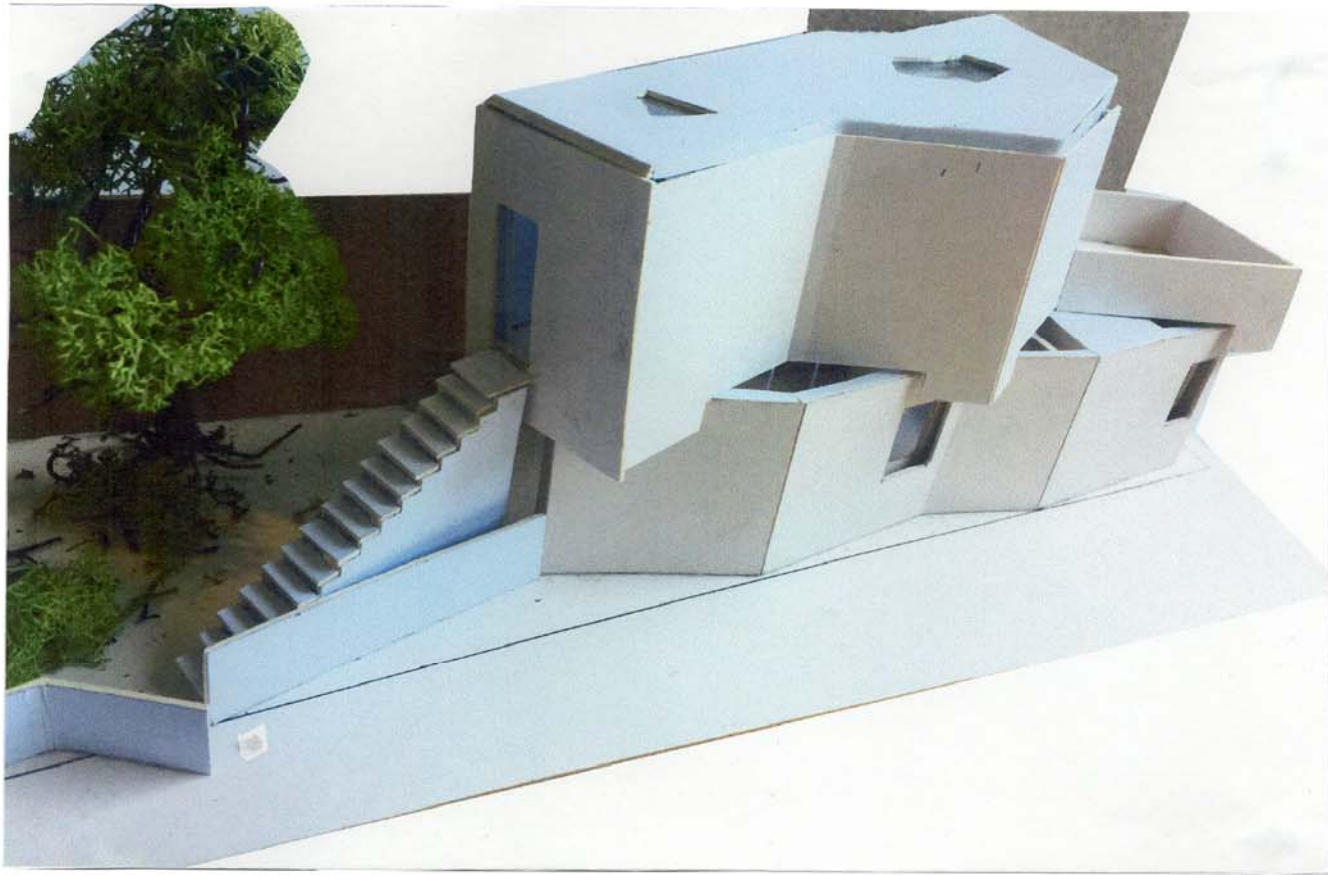
Precast Cellular Concrete Boxes
as STRUCTURAL SYSTEM



CONNECTION OF GLASS PANEL
AND CONCRETE SLAB
(1:2)



Final Model



Daylight Study of Spaces



Terrace for doing Tai Chi
in the [Morning](#)



Kitchen
in the [Afternoon](#)



Laboratory, Kitchen and Living Room
in the [Evening](#)



BIRD EYE VIEW