

# ARCHITECTURAL PORTFOLIO



DESIGNED BY  
**ADAM GOMBAC**  
2026

# MARYHILL SITE IMAGES



Located in Maryhill, Glasgow, Scotland, the site sits along a river bank on a slight hill. The area itself is a blend of residential and commercial structures with a strong and active community. The existing site used to be a pub, but now site empty giving the perfect opportunity to establish a new communal environment.



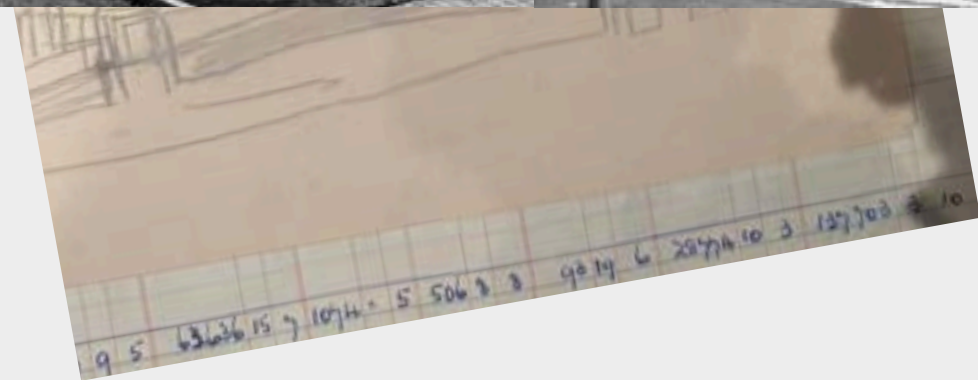
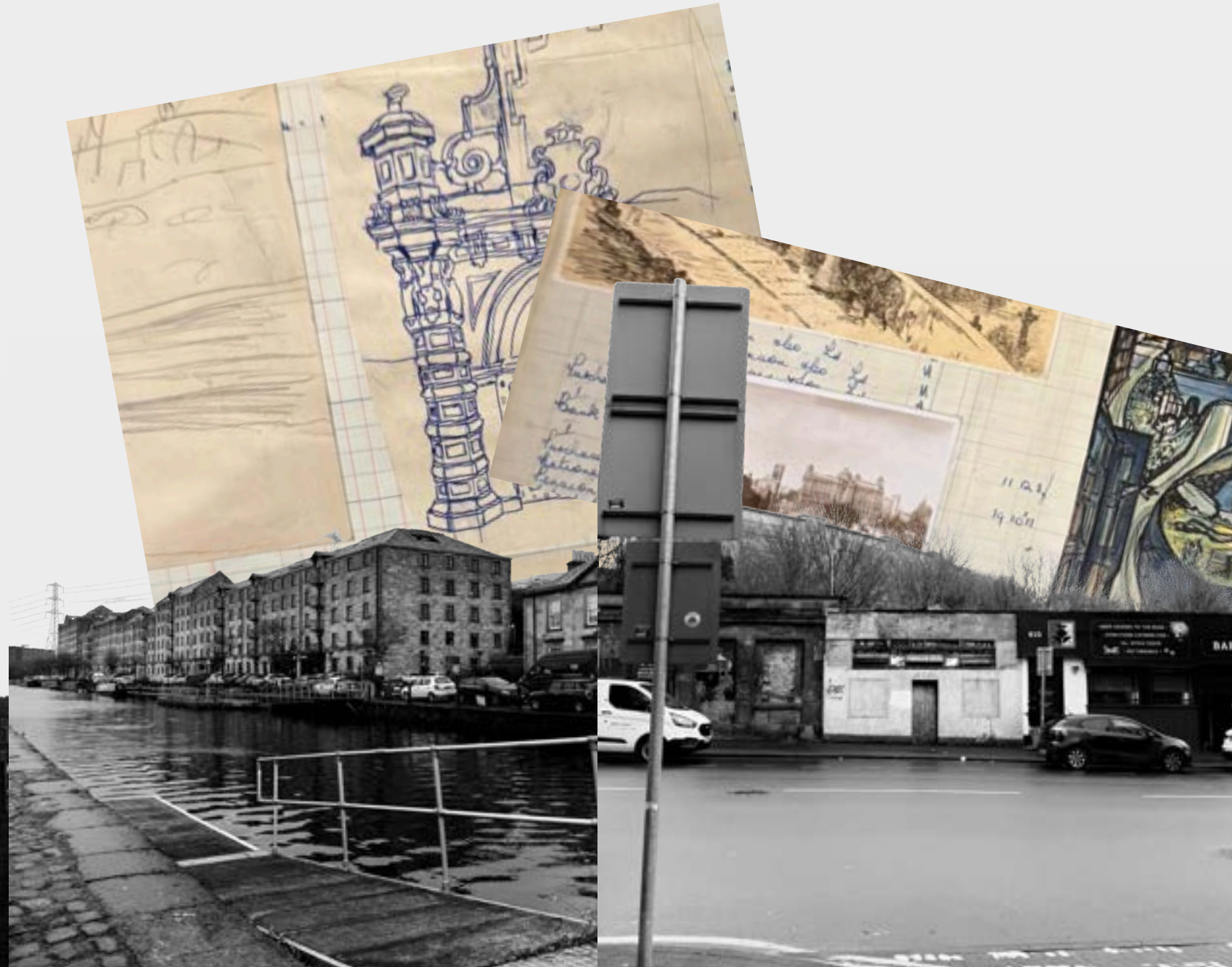
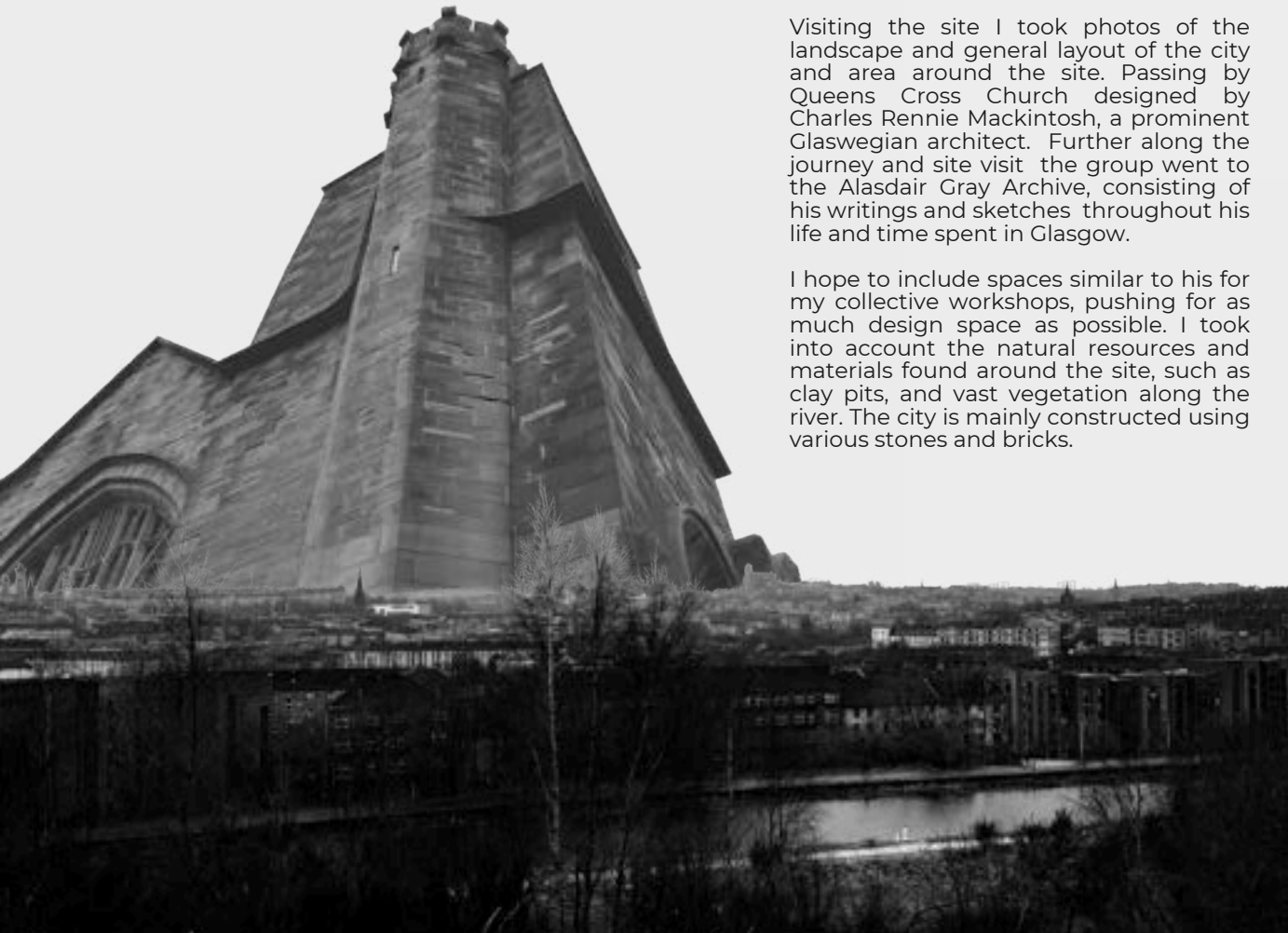
GLASGOW CLAYPIT MAP 1900



## SITE IMAGES

Visiting the site I took photos of the landscape and general layout of the city and area around the site. Passing by Queens Cross Church designed by Charles Rennie Mackintosh, a prominent Glaswegian architect. Further along the journey and site visit the group went to the Alasdair Gray Archive, consisting of his writings and sketches throughout his life and time spent in Glasgow.

I hope to include spaces similar to his for my collective workshops, pushing for as much design space as possible. I took into account the natural resources and materials found around the site, such as clay pits, and vast vegetation along the river. The city is mainly constructed using various stones and bricks.



GOAL # 1	GOAL # 2	GOAL # 3
Establish workshops for tailors and potters	Space identification and significance	Collaborative environment and outcomes

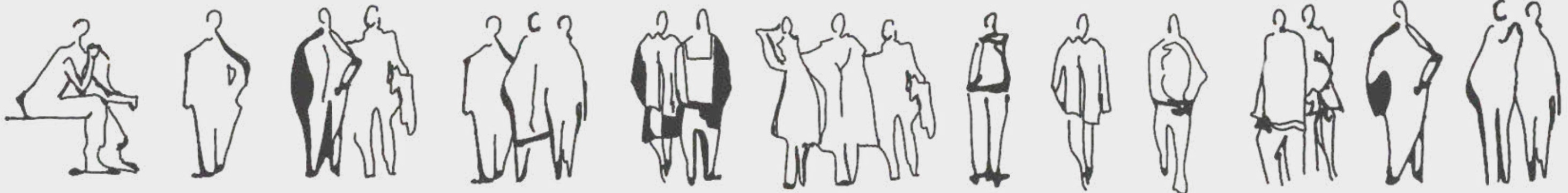
WORKSHOPS	GALLERY + RECEPTION	RESTROOM	GF LIVING BLOCK	FLATS
POTTERY: 144 SQ.M TAILORING: 174.6 SQ.M 318.6 TOTAL SQ.M	F1 GALLERY + RECEPTION: 174.6 SQ.M GF GALLERY + RECEPTION: 93 SQ.M 267.6 TOTAL SQ.M	GF RESTROOMS: 18.6 SQ.M F1: 17.6 SQ.M	RECEPTION: 55.8 SQ.M GF GUEST FLAT: 180 SQ M GF MAIL: 20 SQ M GF LAUNDRY: 25 SQ M	F1 2 FLATS OF FOUR: 180 SQ M PER FLAT 360 TOTAL SQ M F2 2 FLATS OF FOUR: 180 SQ M PER FLAT 360 TOTAL SQ M

# OUTLINED CLIENT SCHEDULE

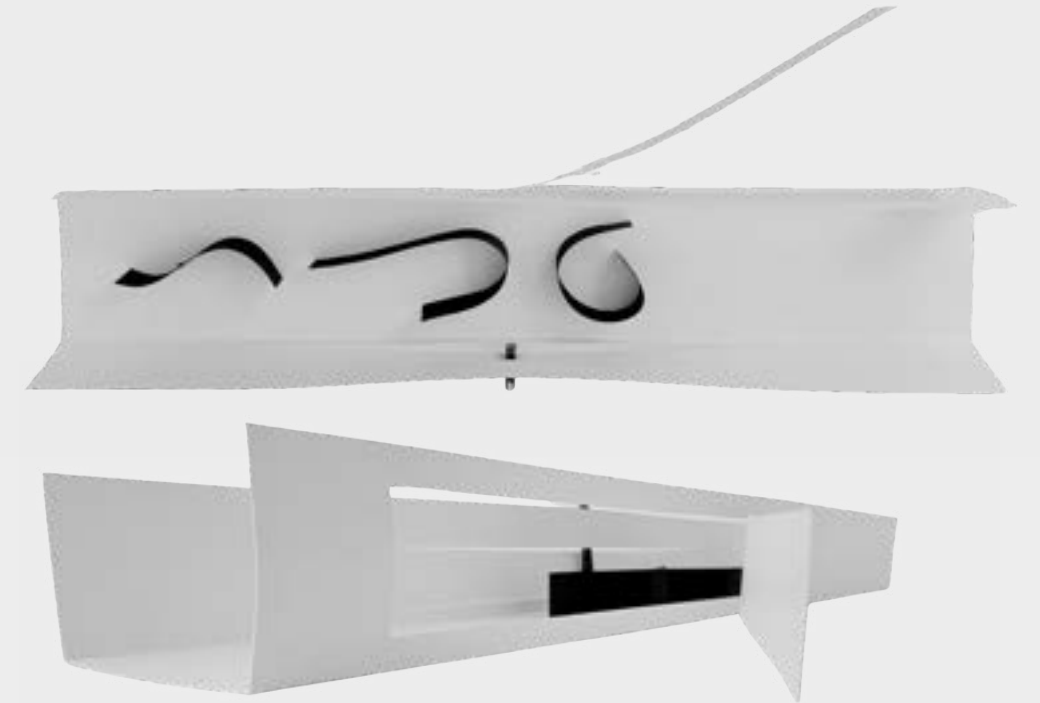
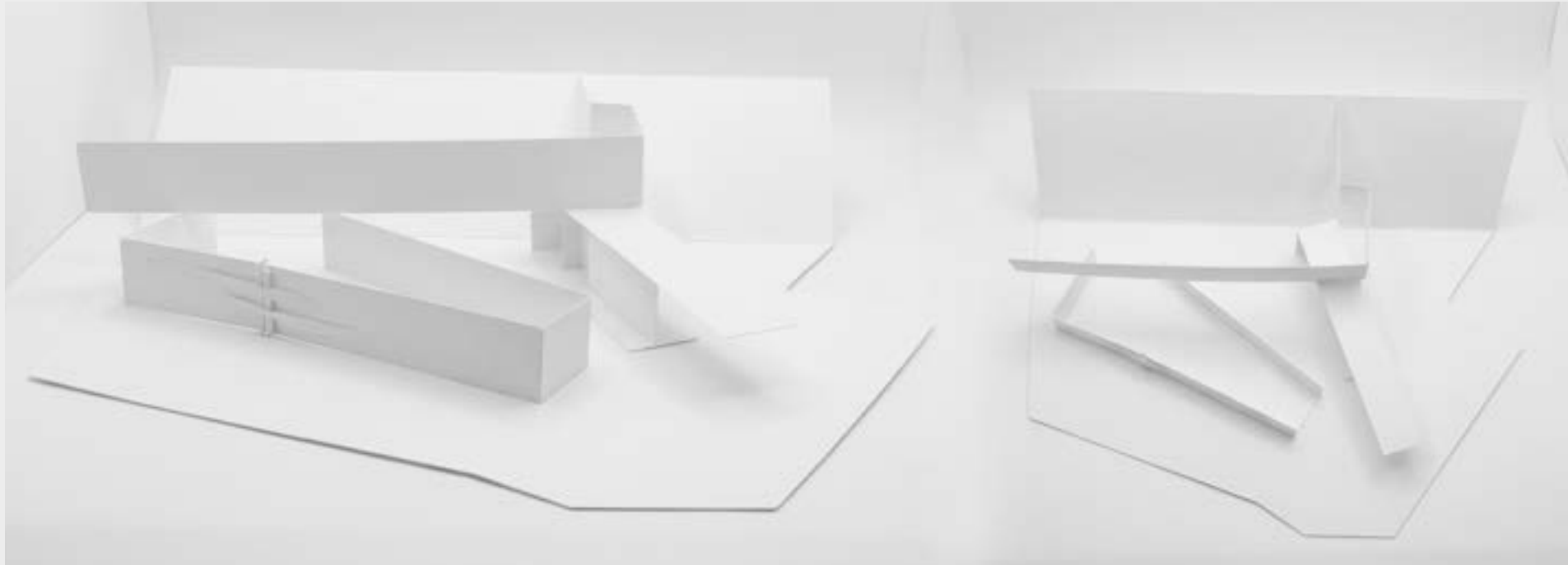
20 CLIENTS TOTAL - 10 TAILORS + 10 POTTERS

Living with each other In a shared collective space. Dwelling and crafting become synonymous, engaging the craftsmen to unite in skill and performance.

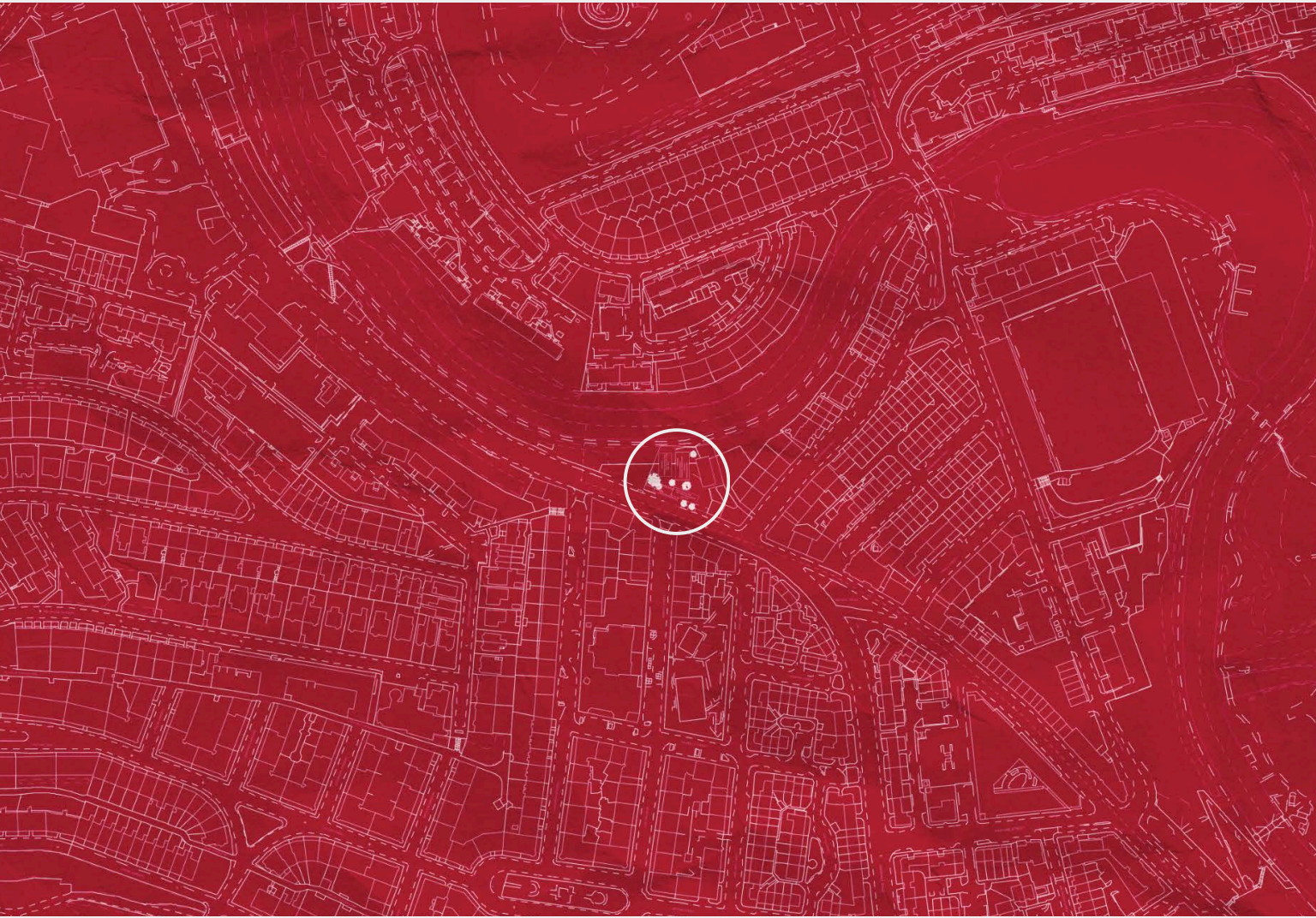
20 CRAFTSMEN - ONE COLLECTIVE ESTABLISHMENT INTENDED FOR LIVING, WORKING, SHARING, AND CONNECTING



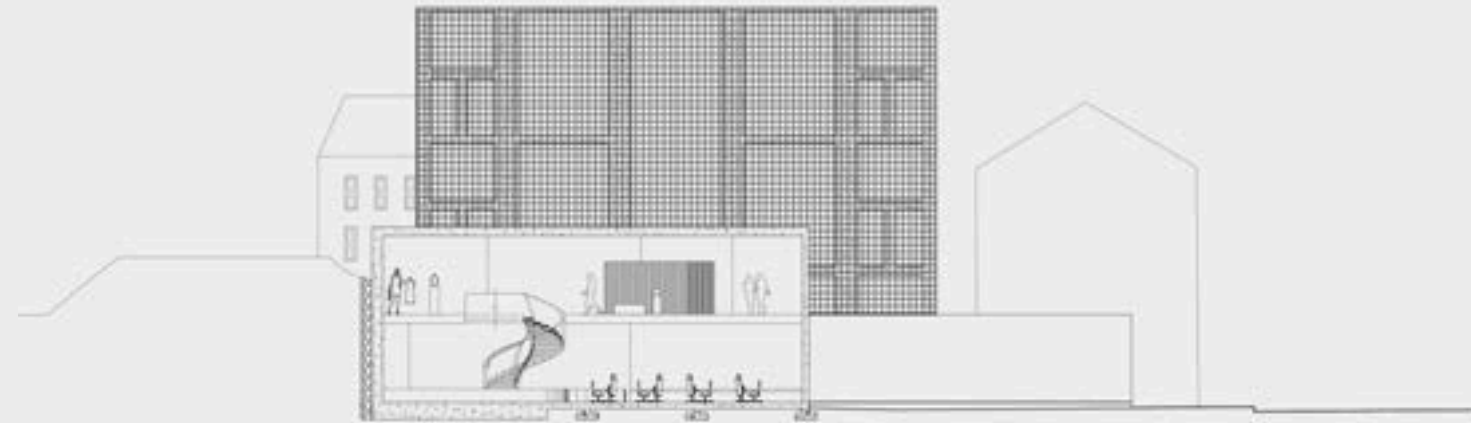
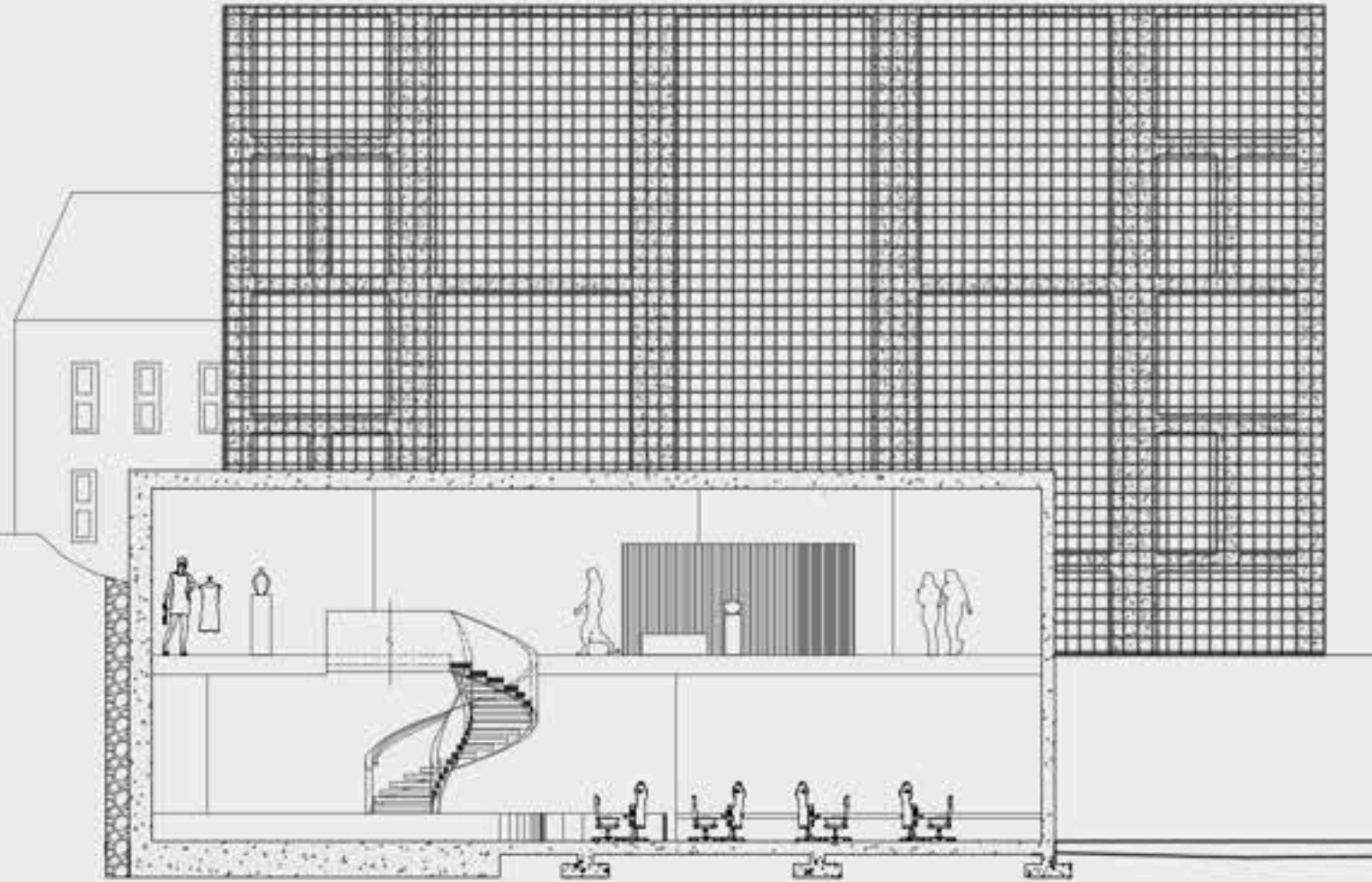
1:200 MASSING MODEL



1:5000 SITE PLAN



# 1:200 SECTION

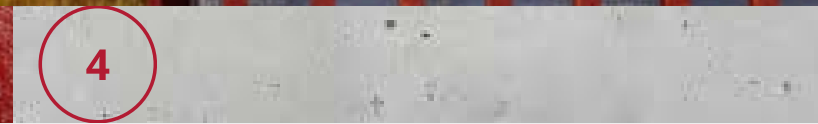
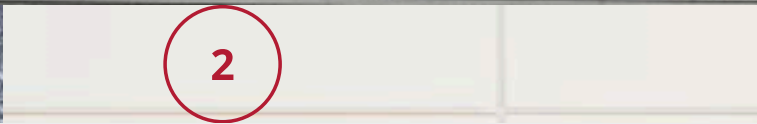
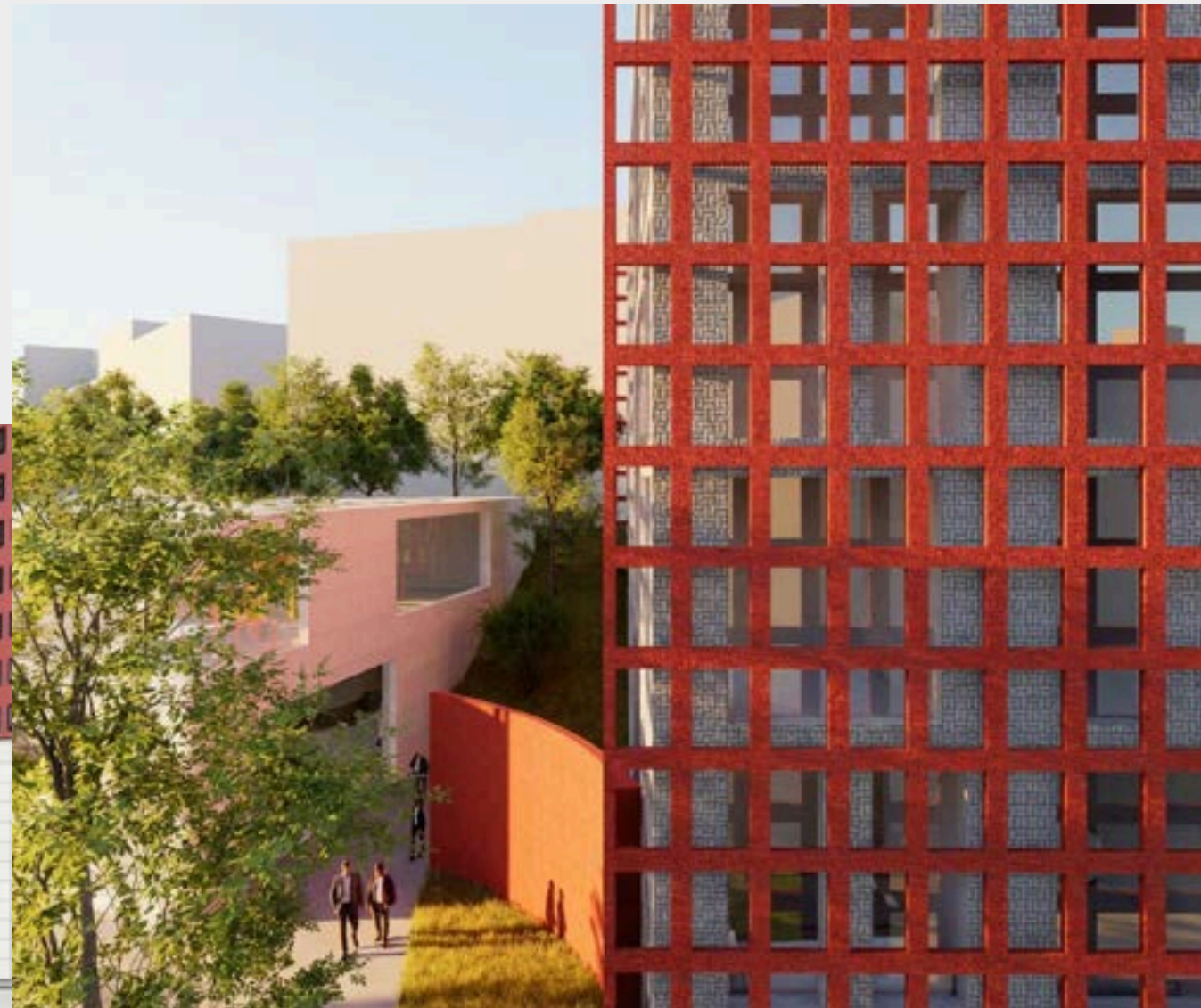


## DETAILED CONSTRUCTION

The structures located at the back of the site closest to the canal, like the tailoring workshop and upper gallery displayed is reinforced with a resistance wall. The structure is placed at the base height of the site, so the structure needs to maintain stability and ample support to sustain. The rear walls are a meter thick to account for the restience from the direct back and from the top of the hill. The bottom of the structure is facceted with anchors to insure extra support. The closer it gets to the canal, the thicker the wall and flooring become to assist with weight distribution and stability.

# MATERIALS

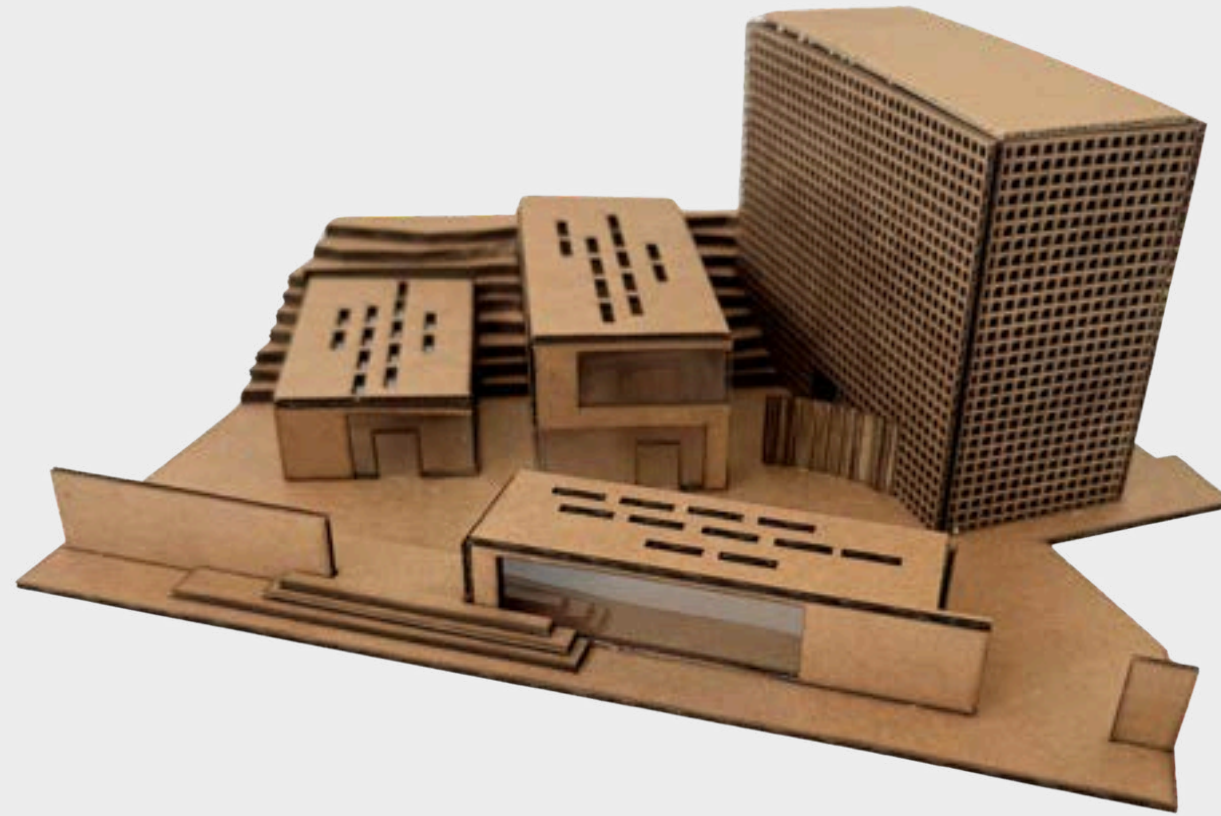
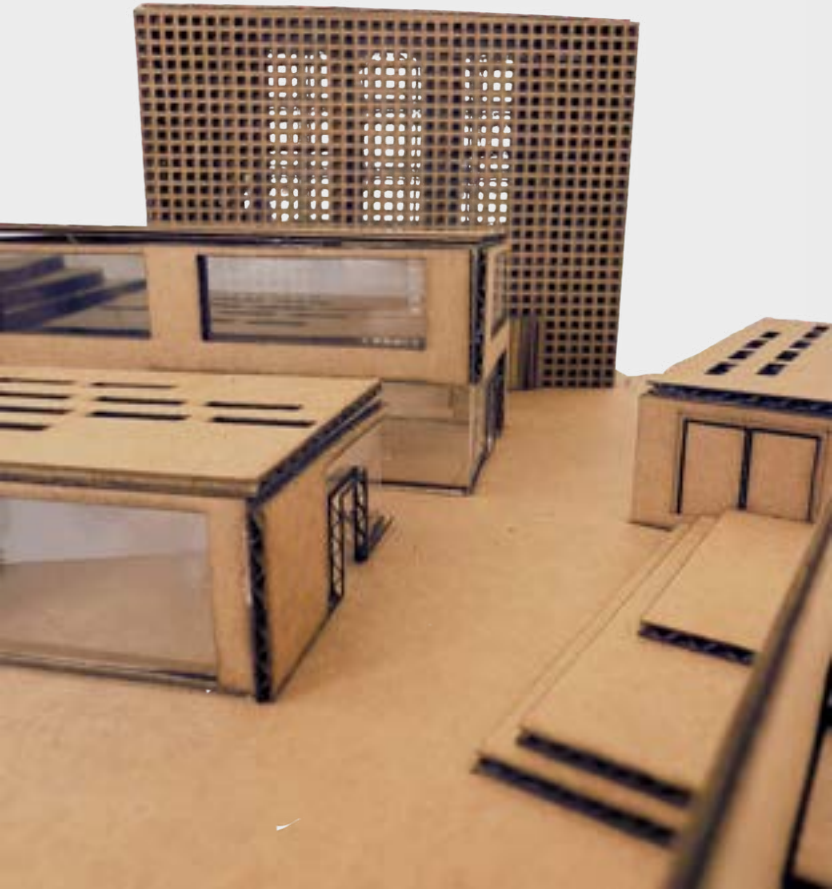
- 1 Glass recycled and redistributed into site to add as much light as possible.
- 2 Tiles made up of reused ceramics placed in-situ.
- 3 Corten steel rusted framed around accommodation to add both privacy and socially aesthetic values.
- 4 Green concrete interior walls assisting insulation and structuring of each building



# RENDERINGS



1:200 MODEL





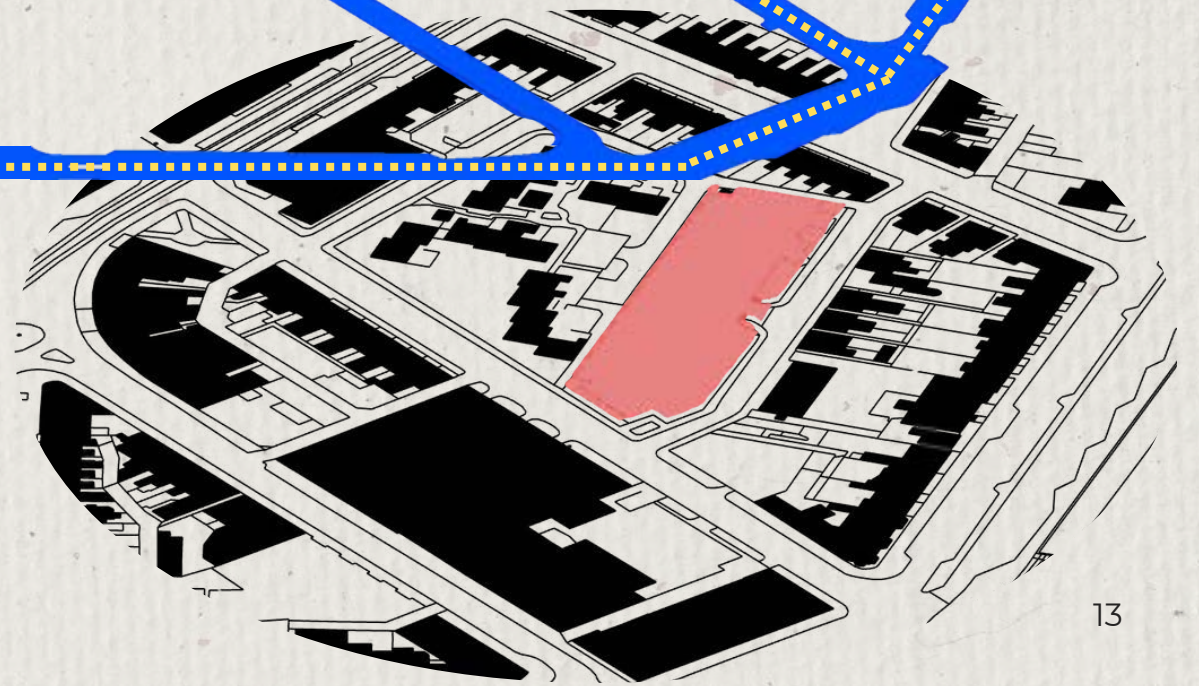
# SITE ANALYSIS



Located in Fleetwood, the site for the next Harriet museum is strong. The existing structures of both public and private surrounding it make it a communally accessible area. Also its positioning near the main roads, market, town center, and sea make it an optimal spot for a nautical museum.

The road offers optimal circulation to the site. Due to its positioning mainly on a main road, and off another. The yellow dots display routes take to access site.

Existing structures, ranging from an average of 9 meters, blending private and social spaces. The site is in an optimal location of human interaction.



Site showcasing the existing area. It is situated in a rather busy and frequently used area in Fleetwood. The market across the street, a hub of its own, has the potential to share communal use with the proposed museum adjacent to it.



SECTION A



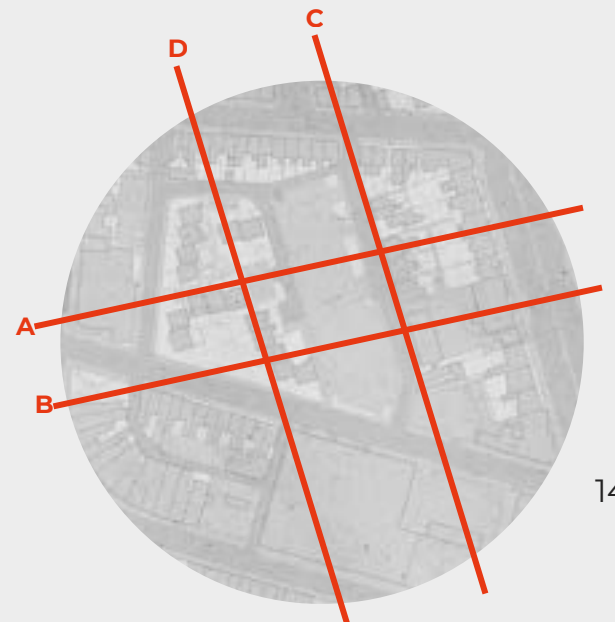
SECTION B



SECTION C



SECTION D



1:500 EXISISTING ELEVATIONS

# MATERIALS AND SKETCHES

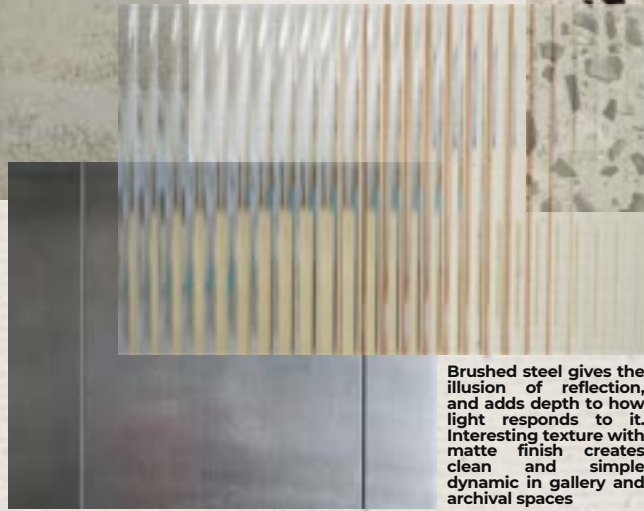


Ribbed glass to give a sense of privacy and wonder both inside and out of proposed structure. Only to be used in areas as surprise, causing a curious engagement from visitors

Sustainable concrete known as greencrete, uses recycled resources such as recycled aggregates, ash, and other low carbon materials. Lowers CO<sub>2</sub> emissions caused by toxic alternatives and methods



Consisting of sand, gravel, soil, and other natural materials, rammed earth proves an effective alternative to typical material choices. Its ability to regulate thermal dynamics of a space makes it a solid choice. Also non-toxic, fully recyclable, and reduced carbon footprint only add to the appeal. Texture also becomes interesting and unique

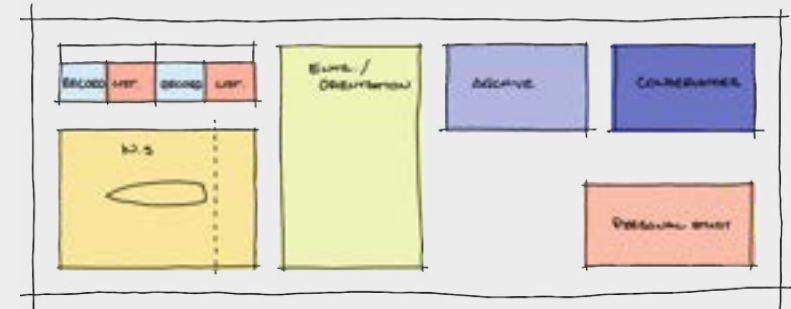
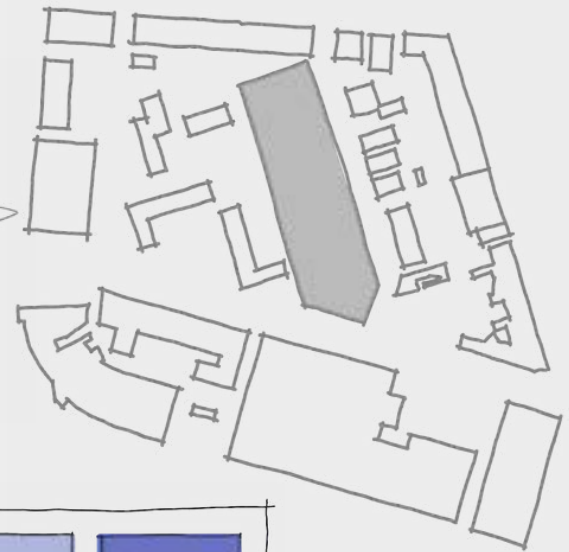
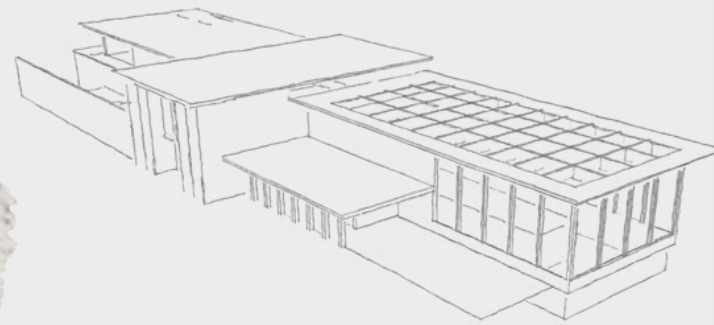


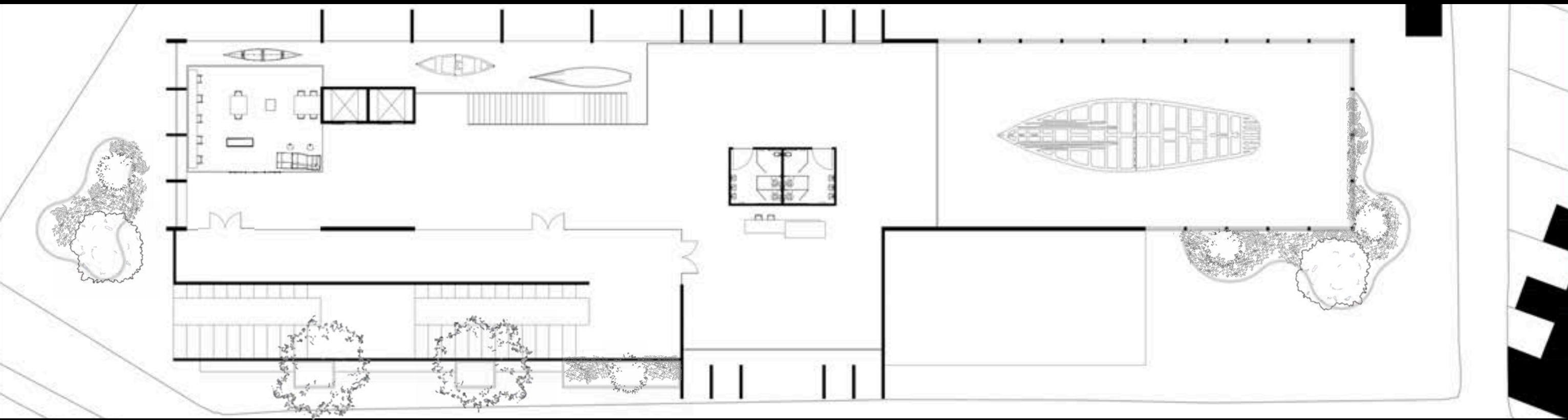
Brushed steel gives the illusion of reflection, and adds depth to how light responds to it. Interesting texture with matte finish creates clean and simple dynamic in gallery and archival spaces



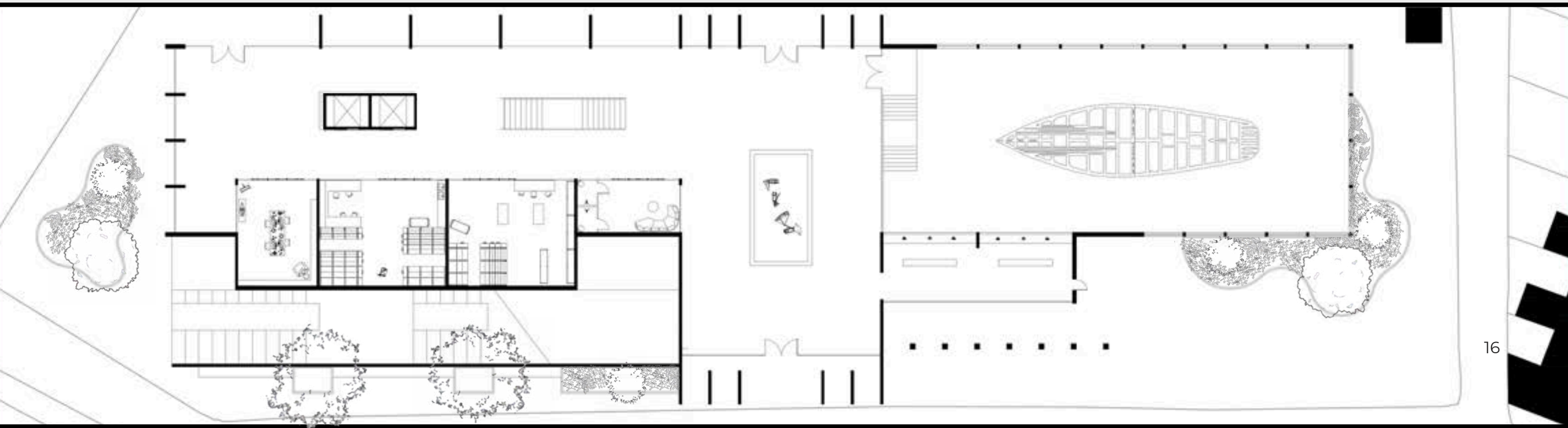
Steel beams proving to be the most resourceful. Structurally flexible, and can span for longer distances.

Possible color schemes. Maintaining more earth tones, warm or at least neutral to the eye

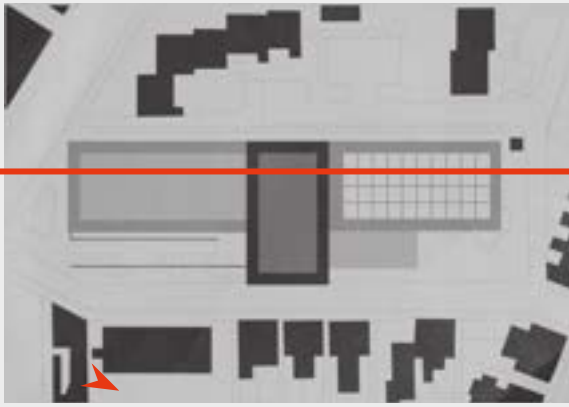
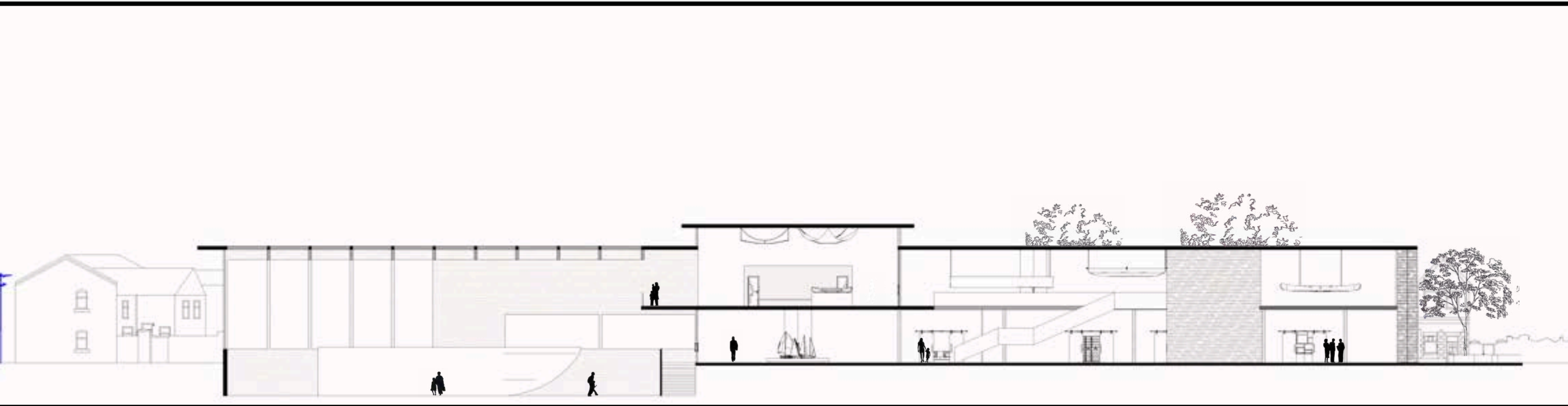




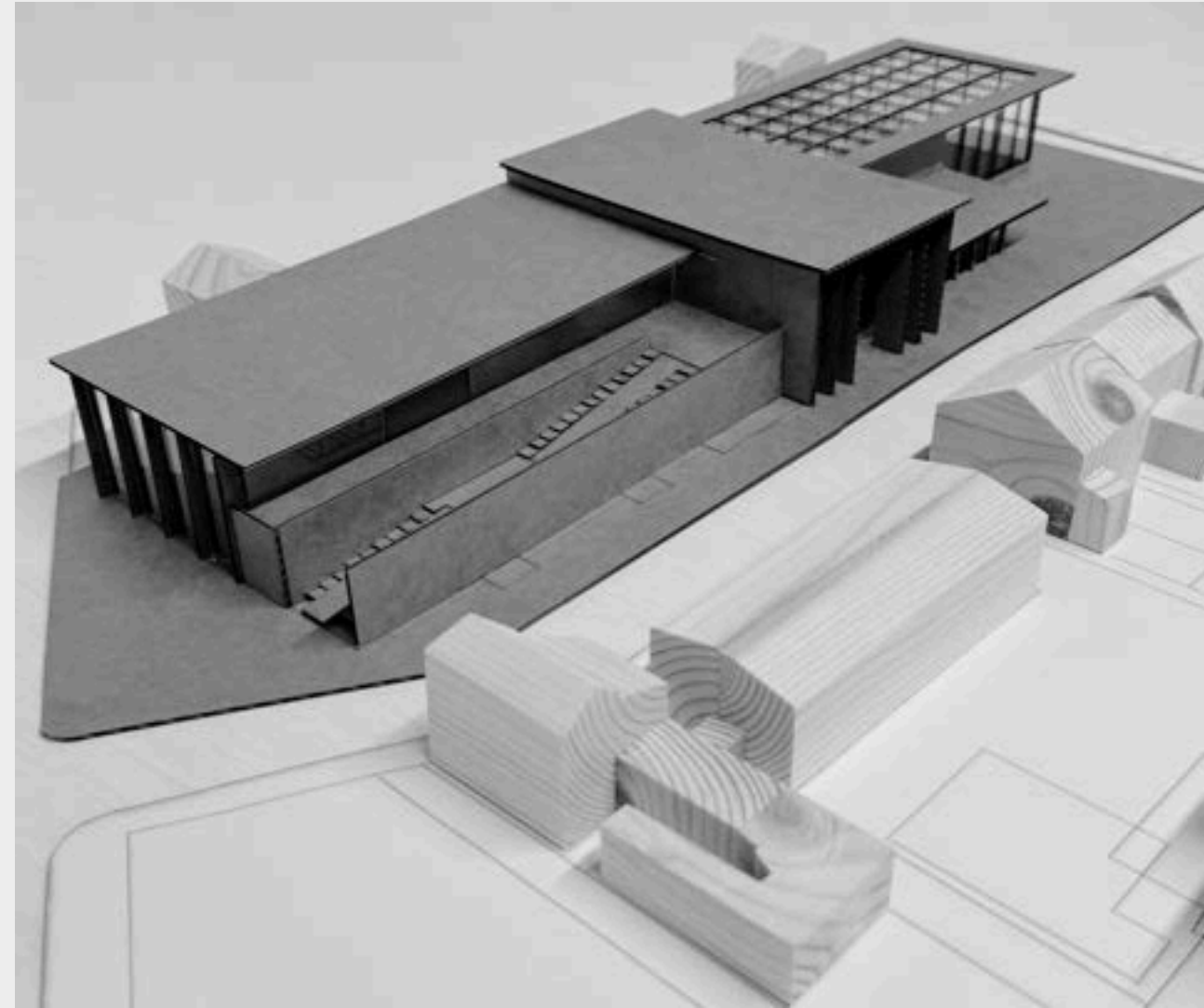
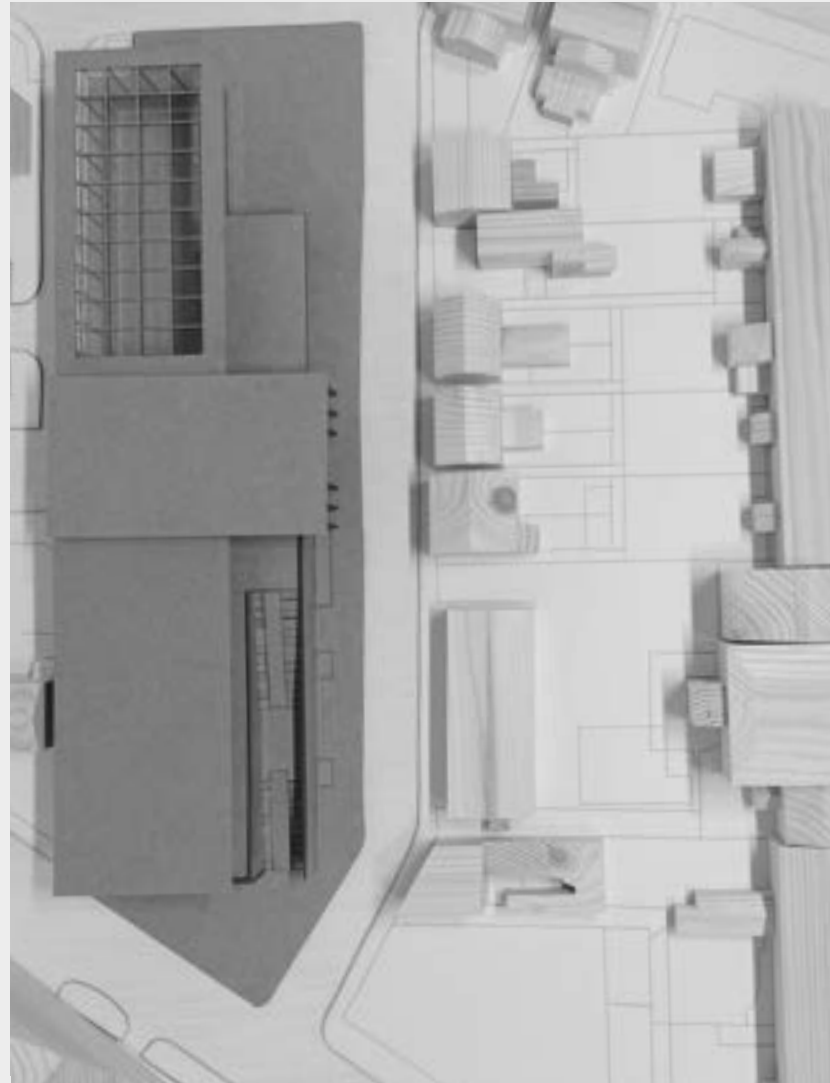
1:200 FLOORPLANS



1:200 SECTION



1:100 MODEL



# EXTERNAL + INTERNAL RENDERINGS



# UNDERSTANDING FLEETWOOD

## EXISTING SITE + PHOTOS





EXISTING SITE



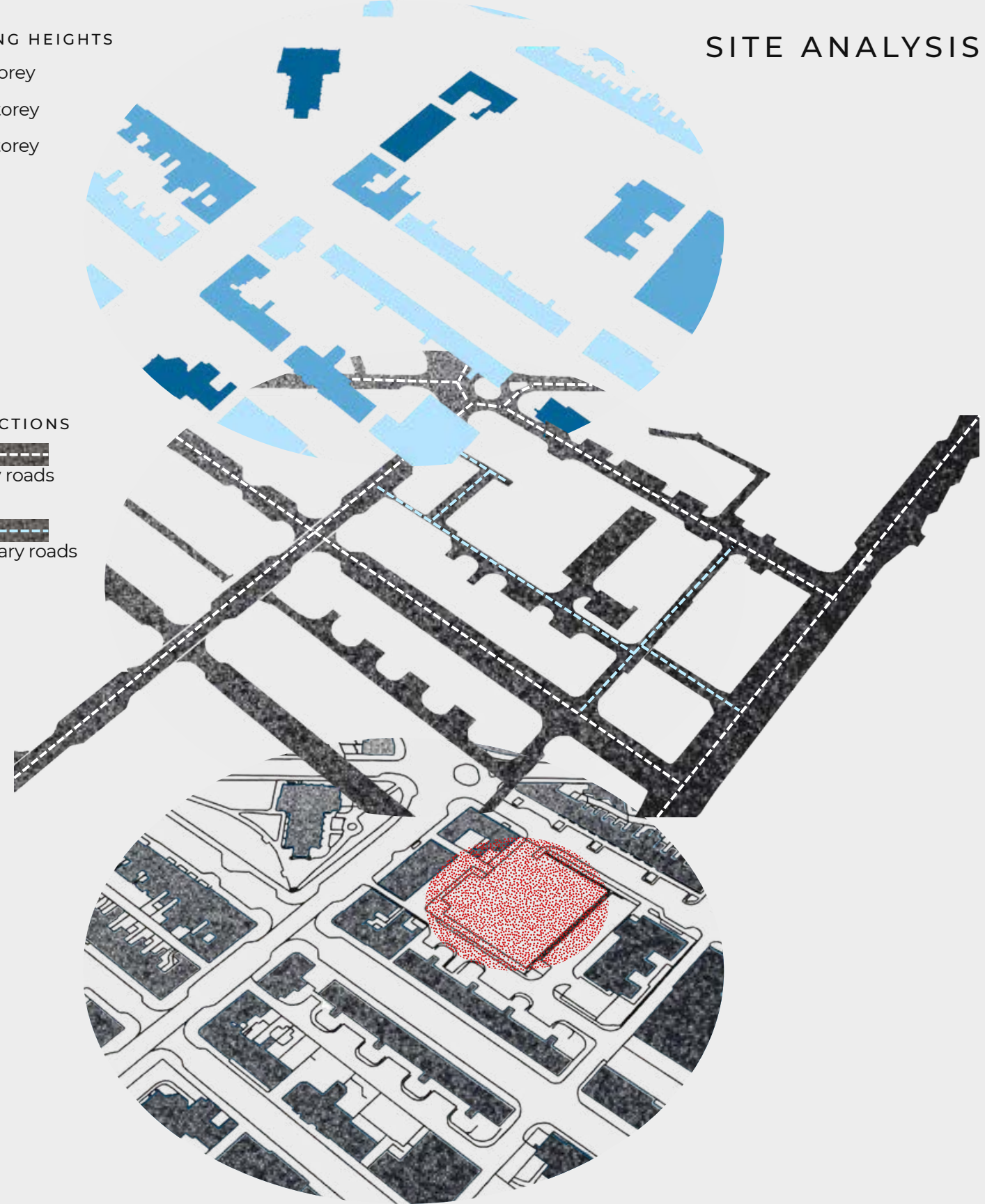
HISTORICAL MAP 1930'S

BUILDING HEIGHTS

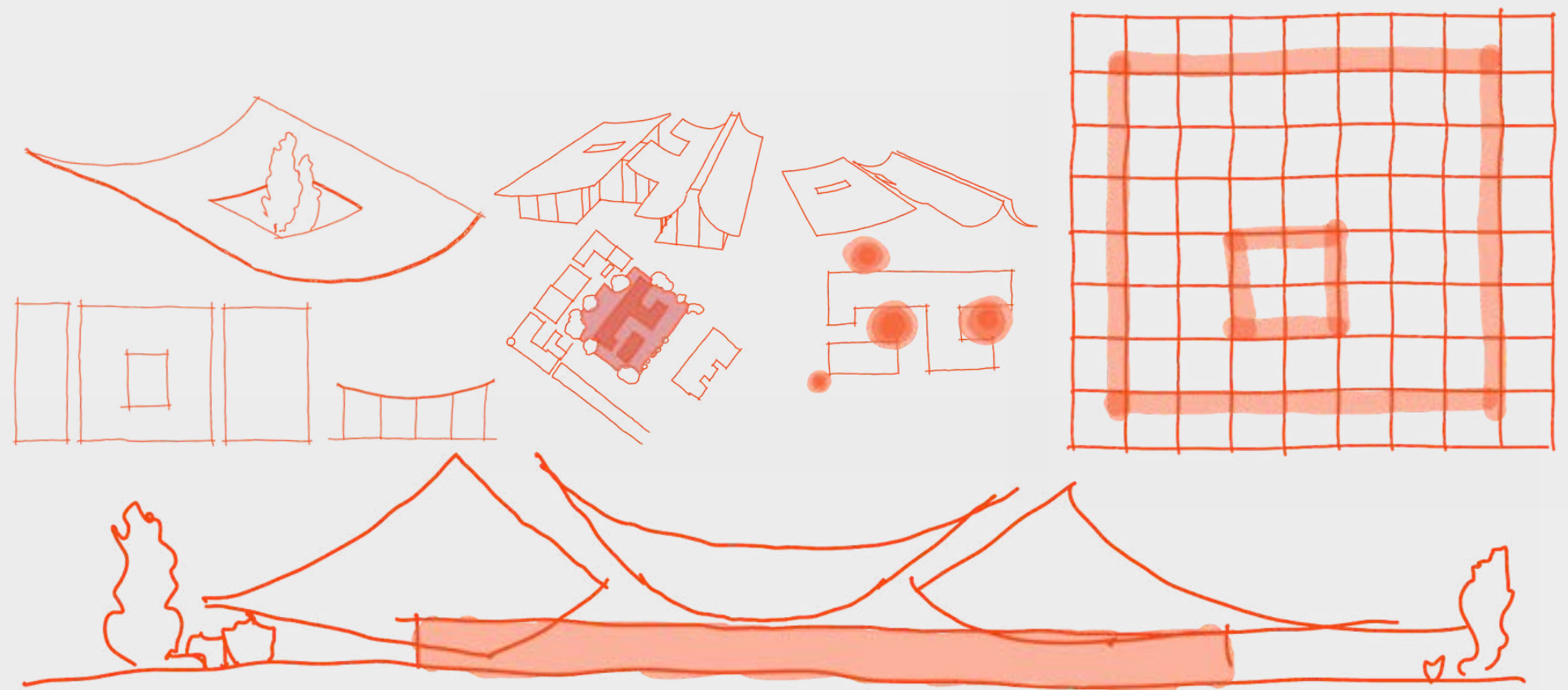
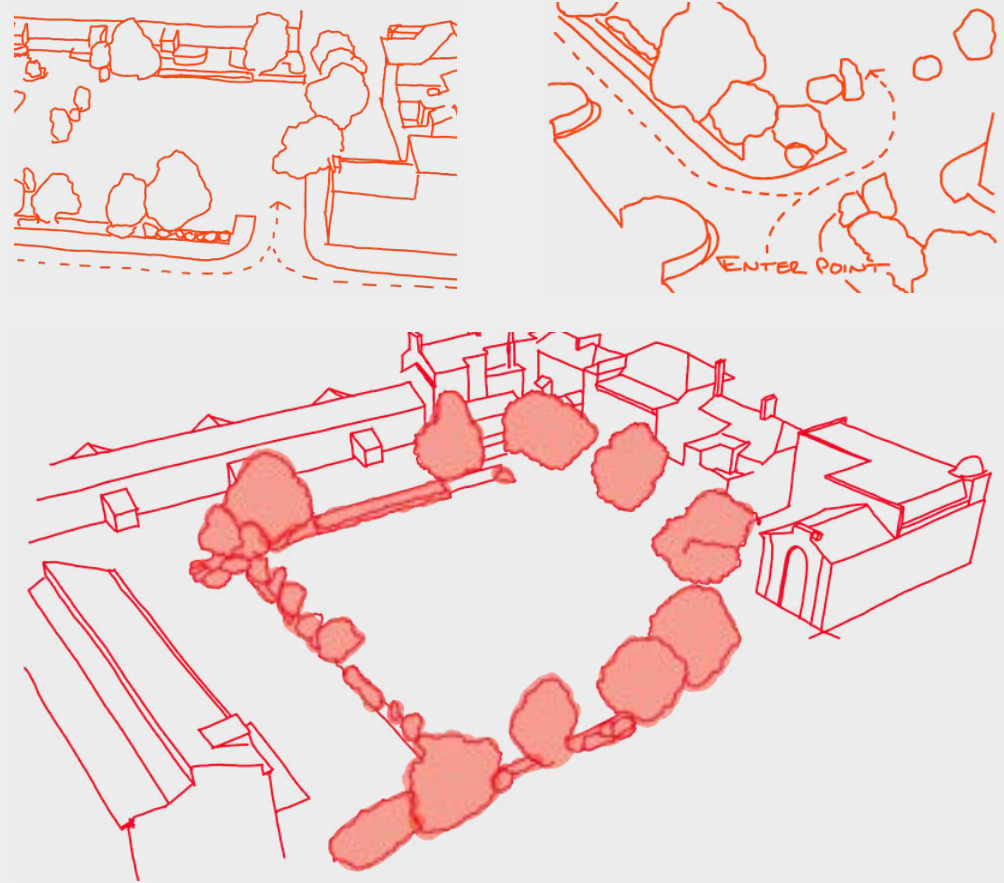
- 1 Storey
- 2 Storey
- 3 Storey

CONNECTIONS

- Primary roads
- Secondary roads



# CONCEPT SKETCHES



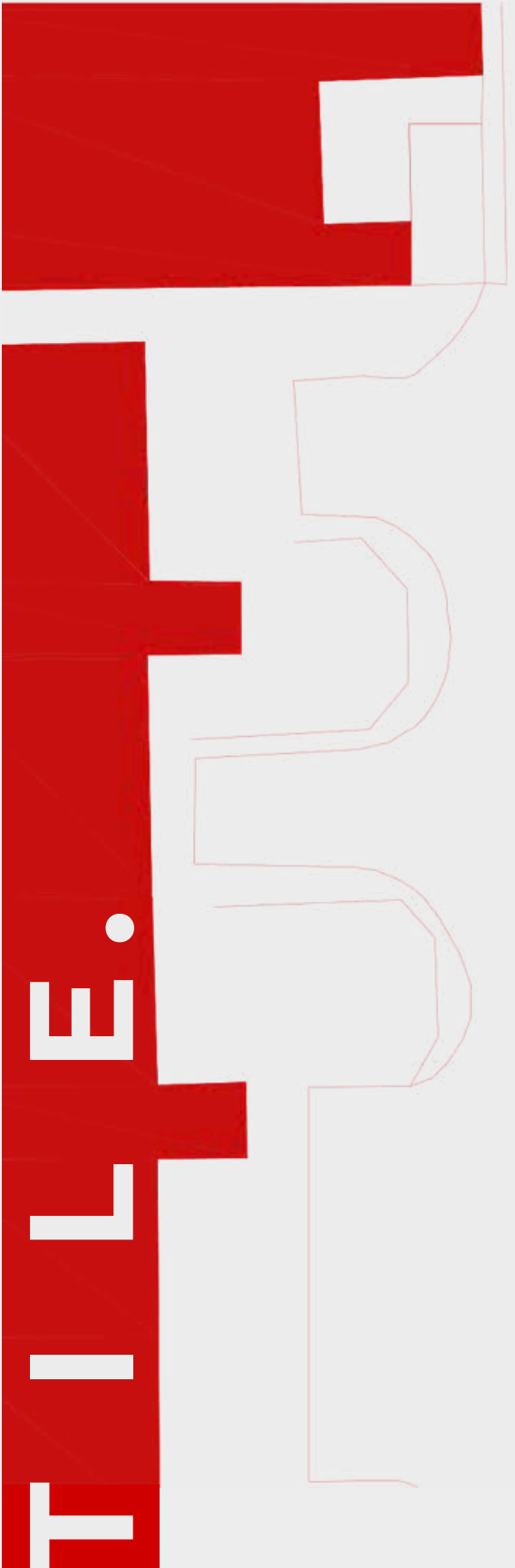
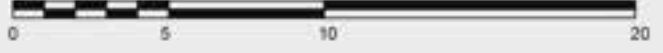
1:200 PROPOSED FLOOR PLAN



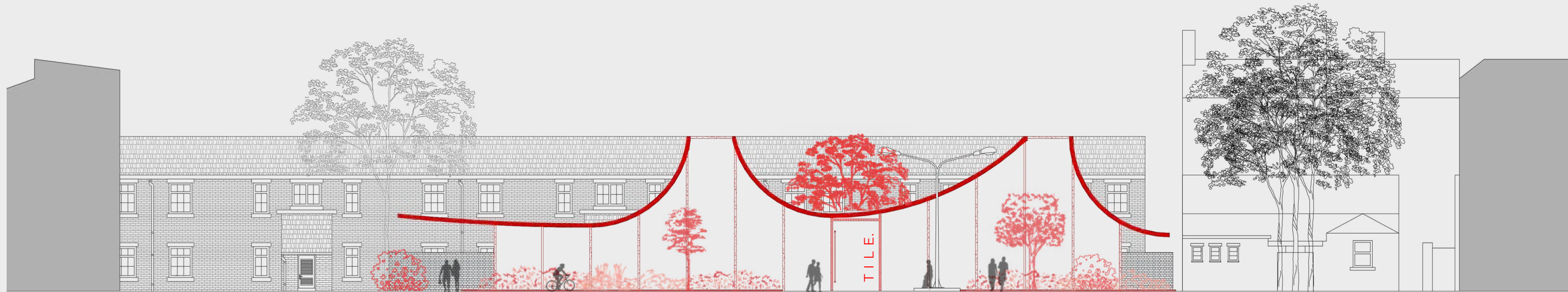
SCHEDULE OF ACCOMMODATION

- 1. WORKSHOP
- 2. DRYING + STORAGE
- 3. WORKER W/C + SHOWERS
- 4. MEETING ROOM
- 5. LEARNING SPACE
- 6. ATRIUM
- 7. PUBLIC W/C (ACCESSIBLE)
- 8. LIVE IN ACCOMODATION
- 9. SHOP + GALLERY
- 10. CAFE

Scale 1:200



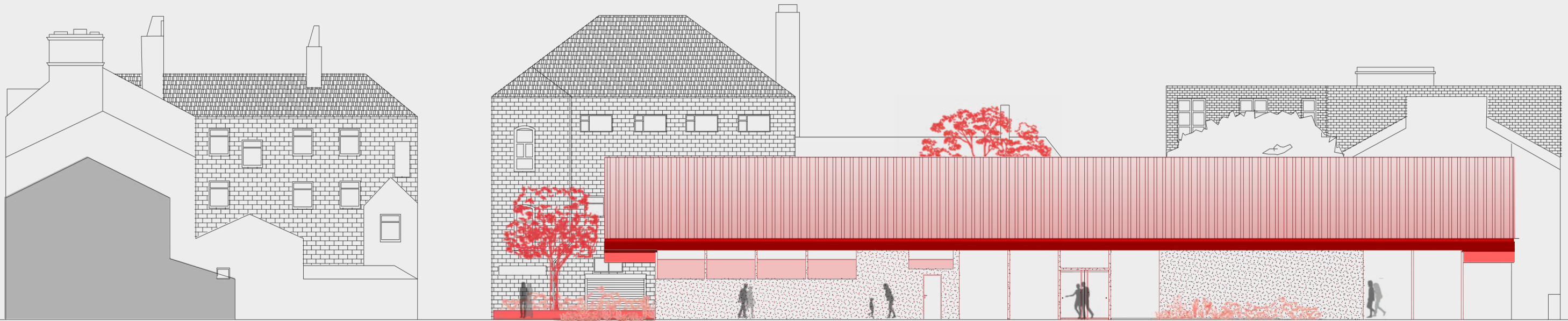
# 1:200 SOUTHWEST ELEVATION



Scale 1:200



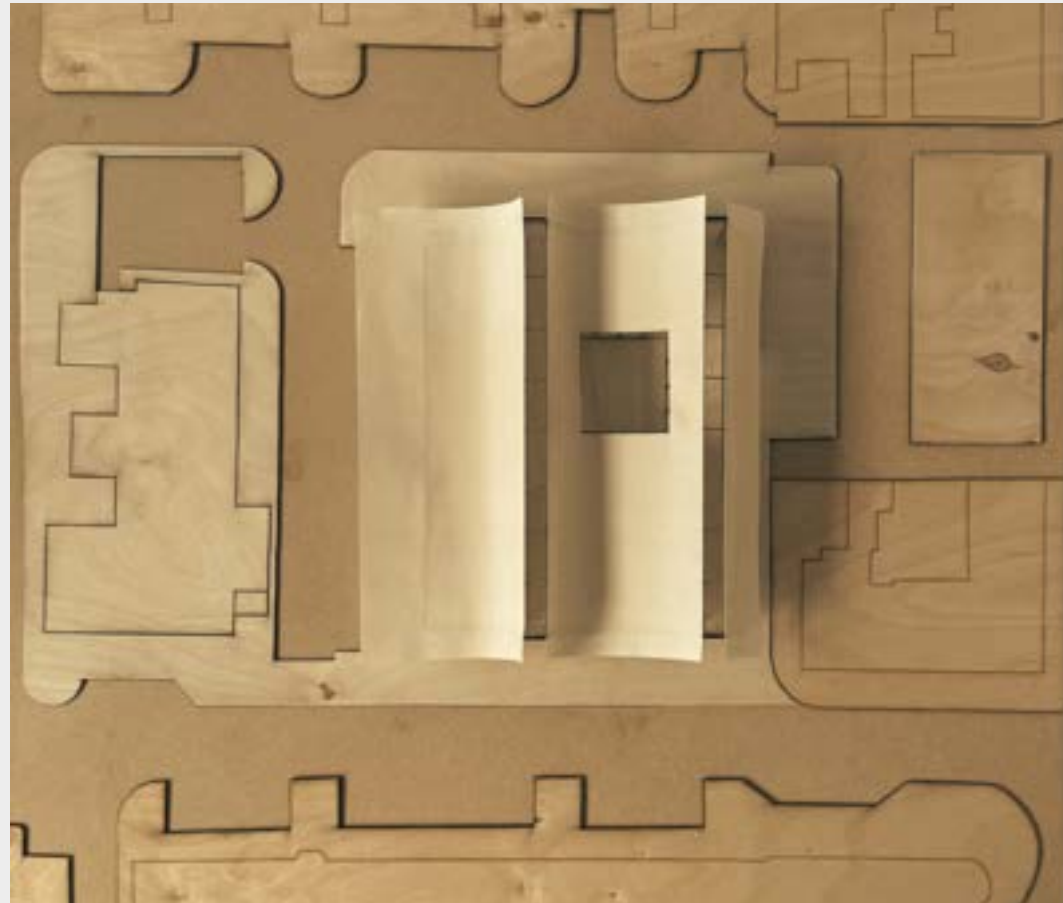
# 1:200 NORTHWEST ELEVATION



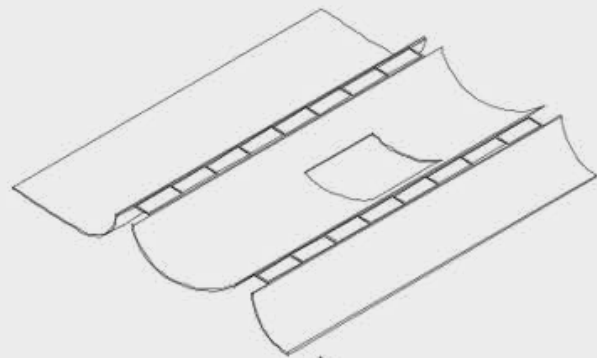
Scale 1:200



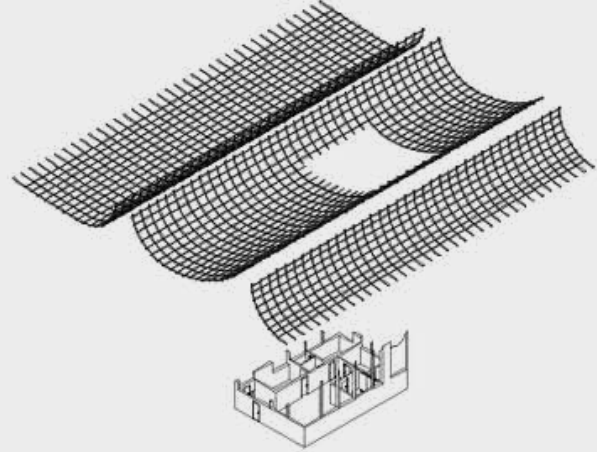
1:200 MODEL



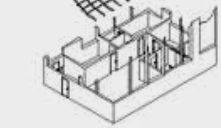
ASSEMBLY DIAGRAM +  
1:20 AXONOMETRIC  
TECHNICAL DETAIL



Roof



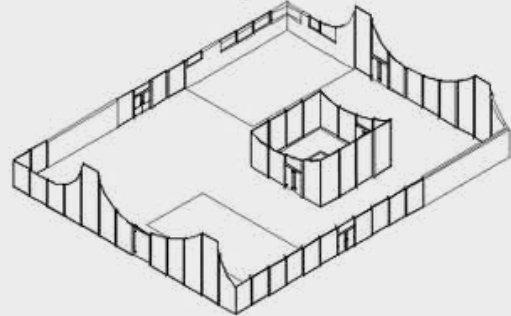
Glulam shell frame



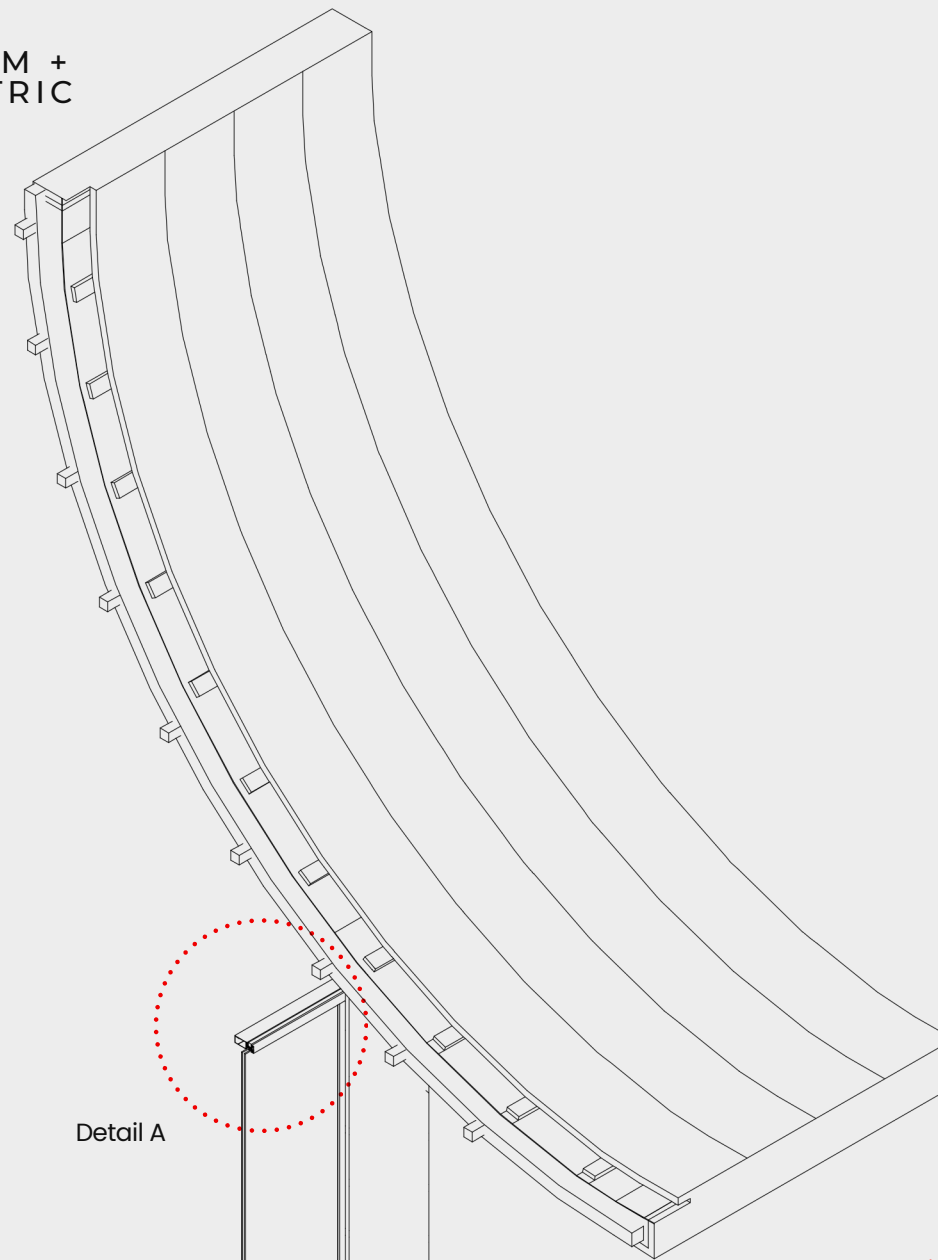
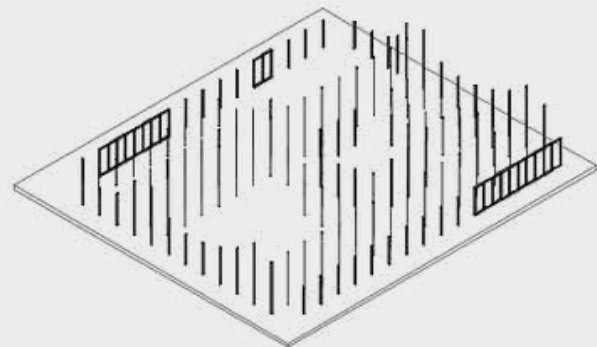
Internal walls and spaces



External walls and windows



Foundation and steel structure

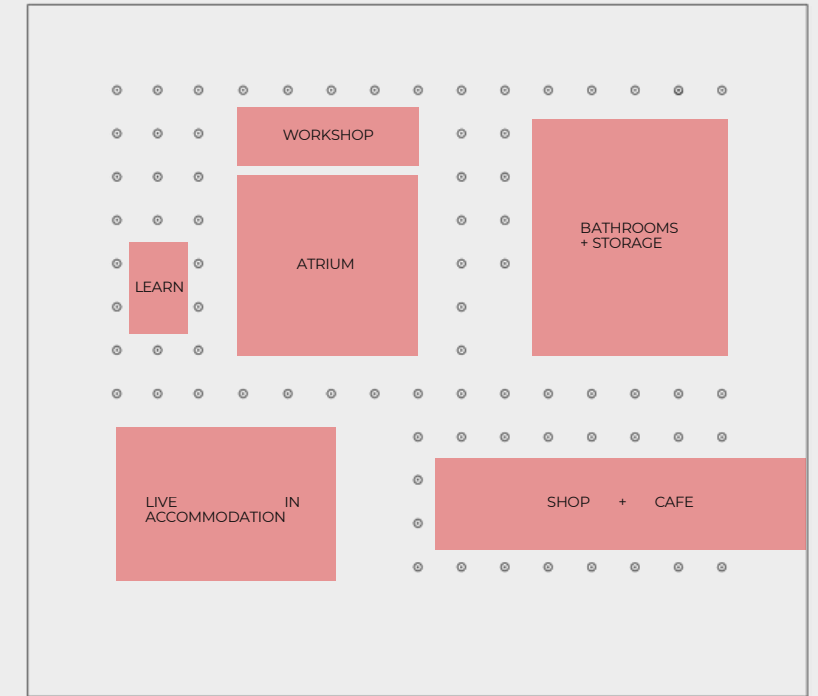


Detail A

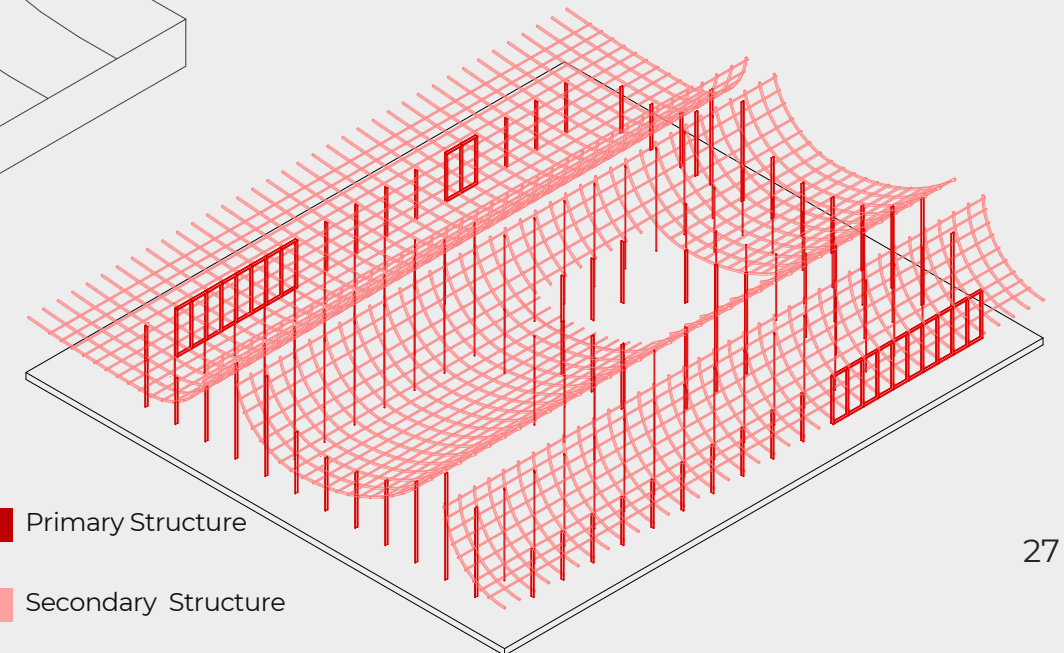
Detail B

Detail C

INTERNAL COLUMN LAYOUT



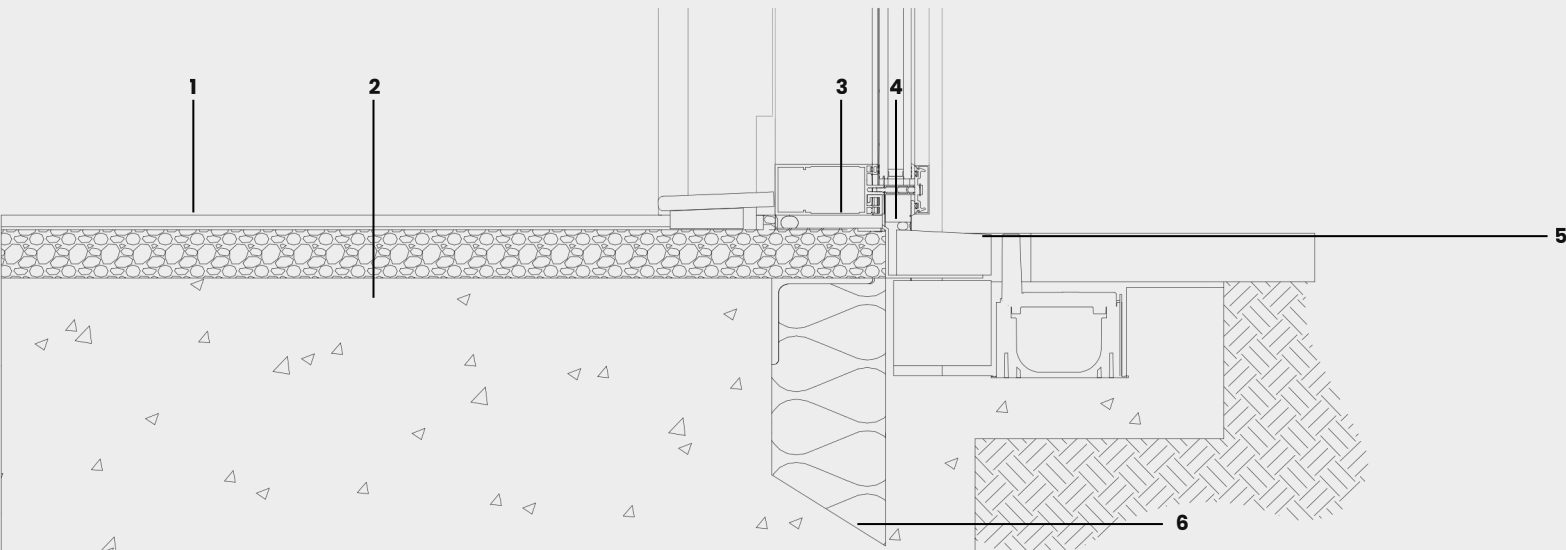
74 steel columns placed internally to support curved structuring of the roof. Built around internal spaces and areas, while maintaining prominent support in all necessary areas. Columns become an internal illusion of a forest, creating spaces for people to ebb and flow throughout the structure



■ Primary Structure

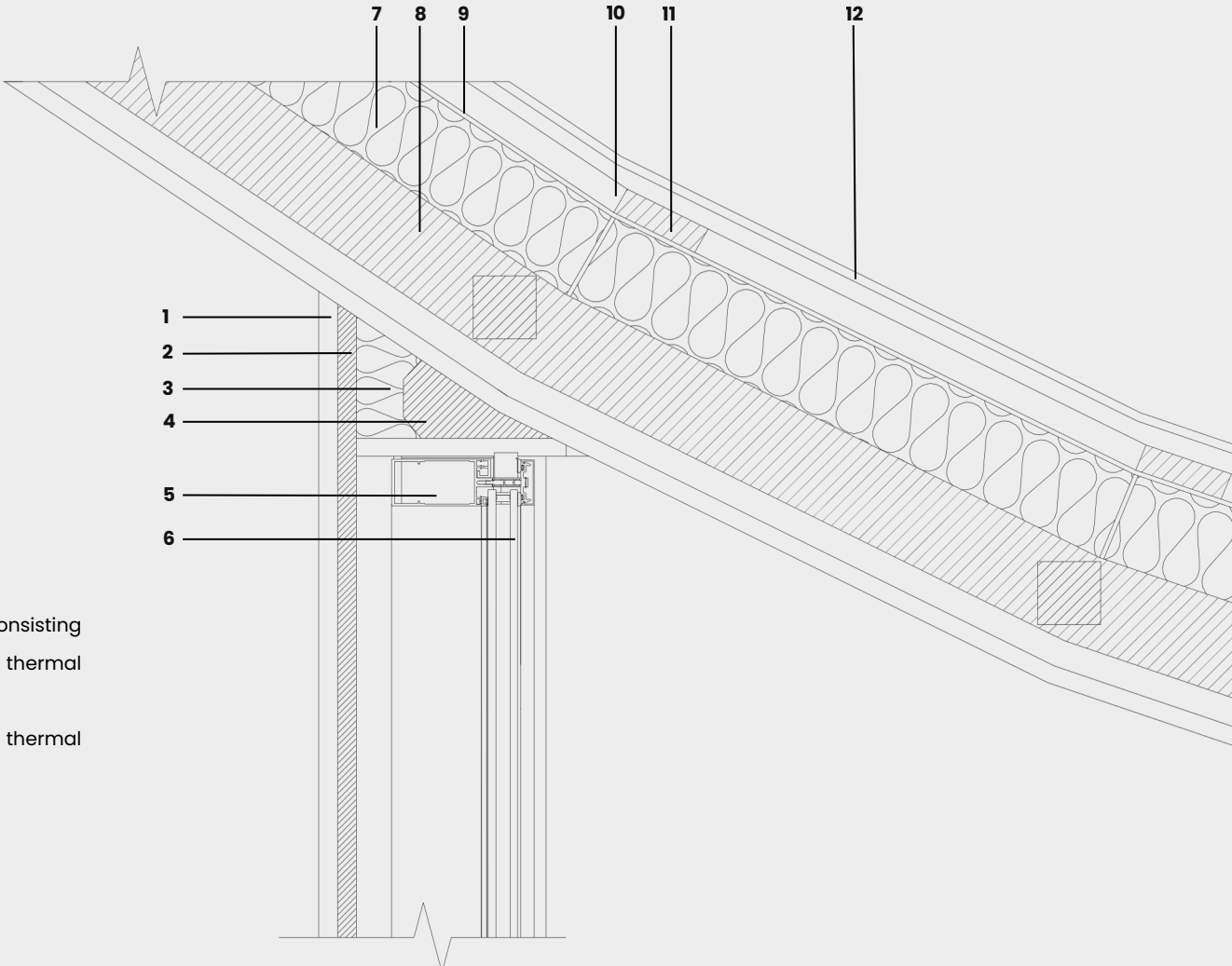
■ Secondary Structure

# 1:20 CONSTRUCTION ELEMENTS



- Wall to Ground**
1. Recycled tile flooring
  2. Damp proof membrane below flooring and concrete foundation for added support to the steel frame braced within concrete
  3. Curtain wall system attached to floor slab
  4. Ground tile falling into slot drain
  5. Slot drain used in Sustainable Drainage System (SuDS) collecting rainwater and redistributing it back into the structure for greywater or garden irrigation
  6. Wood fiber insulation aiding moisture buffering

- Roof to Wall**
1. Plasterboard + tiles
  2. Recycled Gypsum Board
  3. Hemp Insulation
  4. Timber Blocking
  5. Main aluminum window frame consisting of subframe, mounting bracket, thermal break, and weather seal gaskets
  6. PLANITHERM® NEO double paned thermal glass maximizing thermal output
  7. Hemp insulation
  8. Glulam Grid Shell Member
  9. Damp proof membrane
  10. Ventilation gap
  11. Timber batens for added support
  12. Corrugated steel roof



# SUSTAINABILITY AGENDA

Green space on outside using local plants adding to lower carbon footprint

Storage space for reused materials to be used for tile reproduction and safeguarding

Building materials such as tiles made in house and reused as well as various sustainable materials used throughout structure

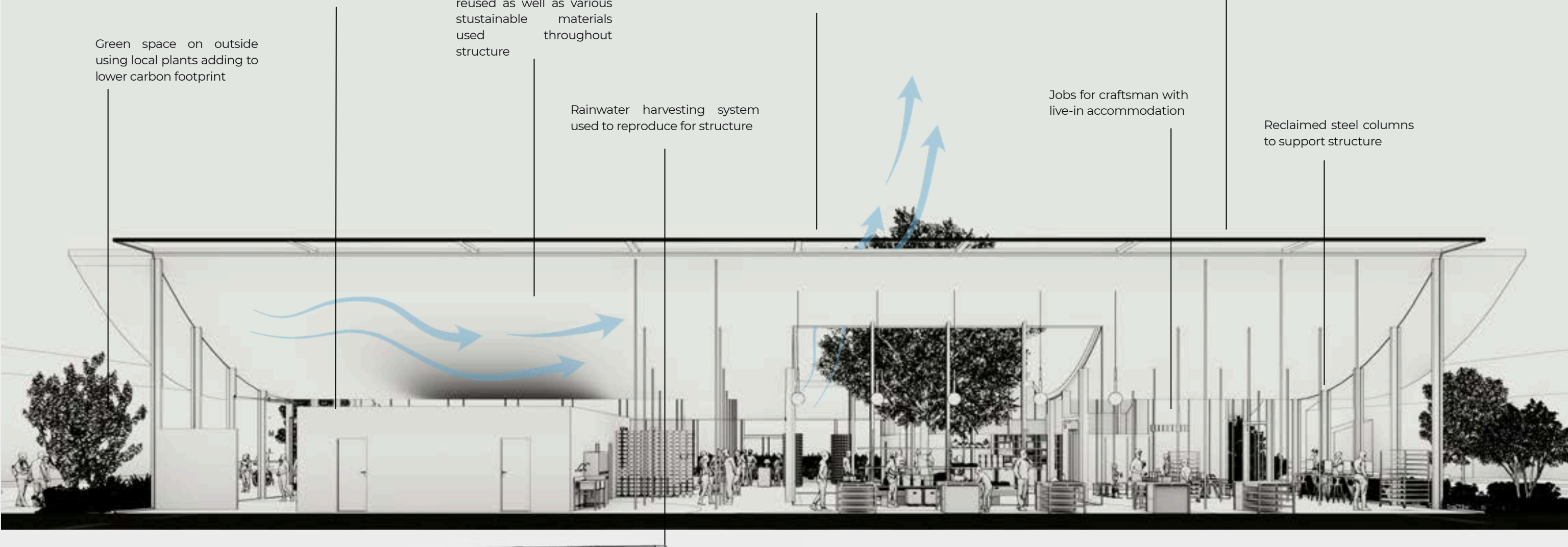
Rainwater harvesting system used to reproduce for structure

Thermal energy conscious insulation throughout

Jobs for craftsman with live-in accommodation

Reclaimed steel columns to support structure

Plenty of natural light as well as LED lighting internally, windows made PLANITHERM® NEO double paned thermal glass maximizing thermal output



EXTERNAL +  
INTERNAL  
RENDERINGS



