The background of the entire page is a high-contrast, black and white photograph of architectural details. On the left, there is a dark, textured surface with a grid pattern, possibly a ceiling or a wall. On the right, there is a lighter, curved surface with a grid pattern, possibly a wall or a ceiling. The lighting creates strong shadows and highlights, emphasizing the geometric forms and textures.

[V.2]

# Adee Govender

Academic  
2020-2022

Architectural Portfolio



## ADEE GOVENDER

"Attitude is a small thing that can make a big difference."

**ABOUT ME**  
I'm an enthusiastic, caring creative. Eager to learn and excellent under stress; I perform best through a variety of software and adventurous design exploration.

"I am a part of all those I have met."

## CONTACT

**EMAIL**  
AdeesGov@gmail.com

**CELL**  
+27 82 299 8229

**INSTAGRAM**  
@Adeeshtra

## CAREER

- 2021-2022 ○ **PGA Architects**  
Part Time | +27 31 584 7200
- 2020-2020 ○ **PGA Architects**  
Internship | +27 31 584 7200
- 2017-2020 ○ **The Fantastic Agency**  
Model | +27 72 233 1611
- 2016-2016 ○ **EPA Architects**  
Internship | +27 31 275 5800
- 2016-2016 ○ **Dominoe's Baby Home**  
Daycare taker | +27 31 110 0730

## EQ SKILLS



People Orientated



Stress Management



Mediator

## EDUCATION

○ **70% GPA | 2022**  
M.Arch(Prof) | UCT

○ **72% GPA | 2021**  
BAS(Hons) | UCT

○ **66% GPA | 2020**  
BAS | UCT

○ **6 DISTINCTIONS | 2016**  
IEB | CRAWFORD COLLEGE

## CERTIFICATIONS

○ **Graphics Design Specialization**  
UCLA | Coursera

○ **Van Gogh Award**  
For Exceptional Art | Crawford

○ **Dale Carnegie**  
Public speaking | uMhlango

○ **Spirit Adv. Leadership Course**

## TECH STACK PROFICIENCY



REVIT



AUTOCAD



ADOBE SUITE



RHINO



SKETCHUP



LUMION



BLENDER



H.FILM EXPRESS

## HOBBIES



# CONTENTS

01

[High Concept Design]

**WAA**

Art School  
2020

02

[Technical Drawings + Urban Development]

**RECLAIM**

Urban Park Library  
2020

03

[Residential Design]

**Sanctuary**

LGBTQ+ Shelter  
2020

04

[Hand Drawings]

**Vessels for Cartharsis**

Wellness pods  
2020

05

[Masters Thesis]

**Connective Tectonics**

Cultural Community Centre  
2020

PAGE

03

07

14

19

24

[01]

# WAA

Wittebome Arts Academy  
Arts school with theatre and gallery  
2019

Keywords:  
Connective tissue  
Context driven  
Spectacle



# WITTEBOMME

The site is an existing parking lot adjacent to a school. It is sited along a busy main road full of commerce and community activities of different scales. A Low scale fabric of 1-2 storey buildings dominates the area with the school being a domineering institute of 3 storeys. The Pre-existing fabric is complex and vibrant however surrounding building upkeep is poor with plastic chipping off the walls. Thus durable materials with low maintenance should be considered.



## ROADS

The suburb is boxed by four main roads with another, Ottery road, splitting through as a diagonal.



## ACTIVITY

The street activity drops around the site calling for a public building to be erected to stimulate street activity.



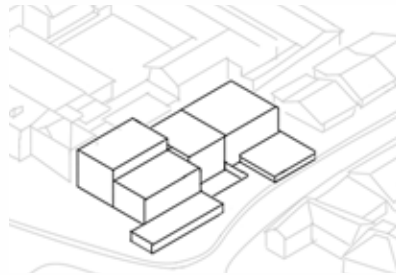
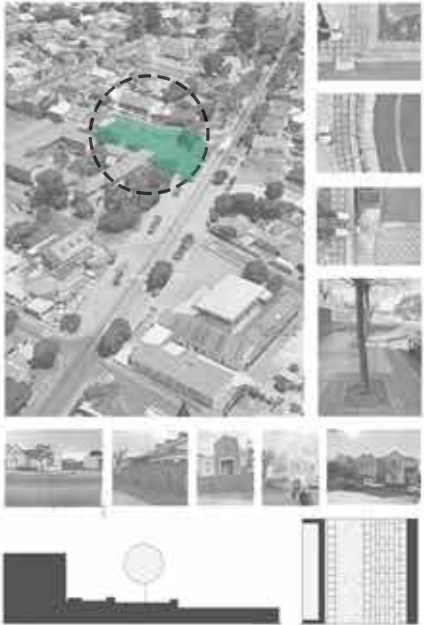
## BUILT FABRIC

Large scale developments occupy the main roads, except for Ottery. Densification of activity is needed.



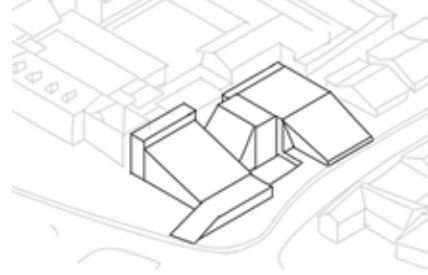
## CLIMATE

The site is protected from the harsh winds from the surrounding fabrics. Green space is lacking nearby.

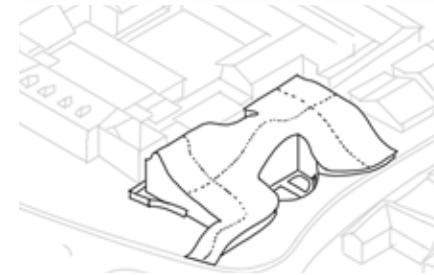


## MASS EVOLUTION

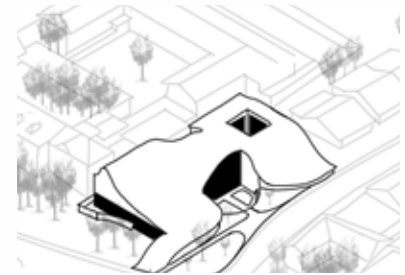
The mass responds to the fabric. Tall volumes near the school that peter-off towards residential units. The entrance is sublevel to accommodate extra height.



To soften the harshness of the masses, gradients are introduced, this reduces severe and institutional vibes.

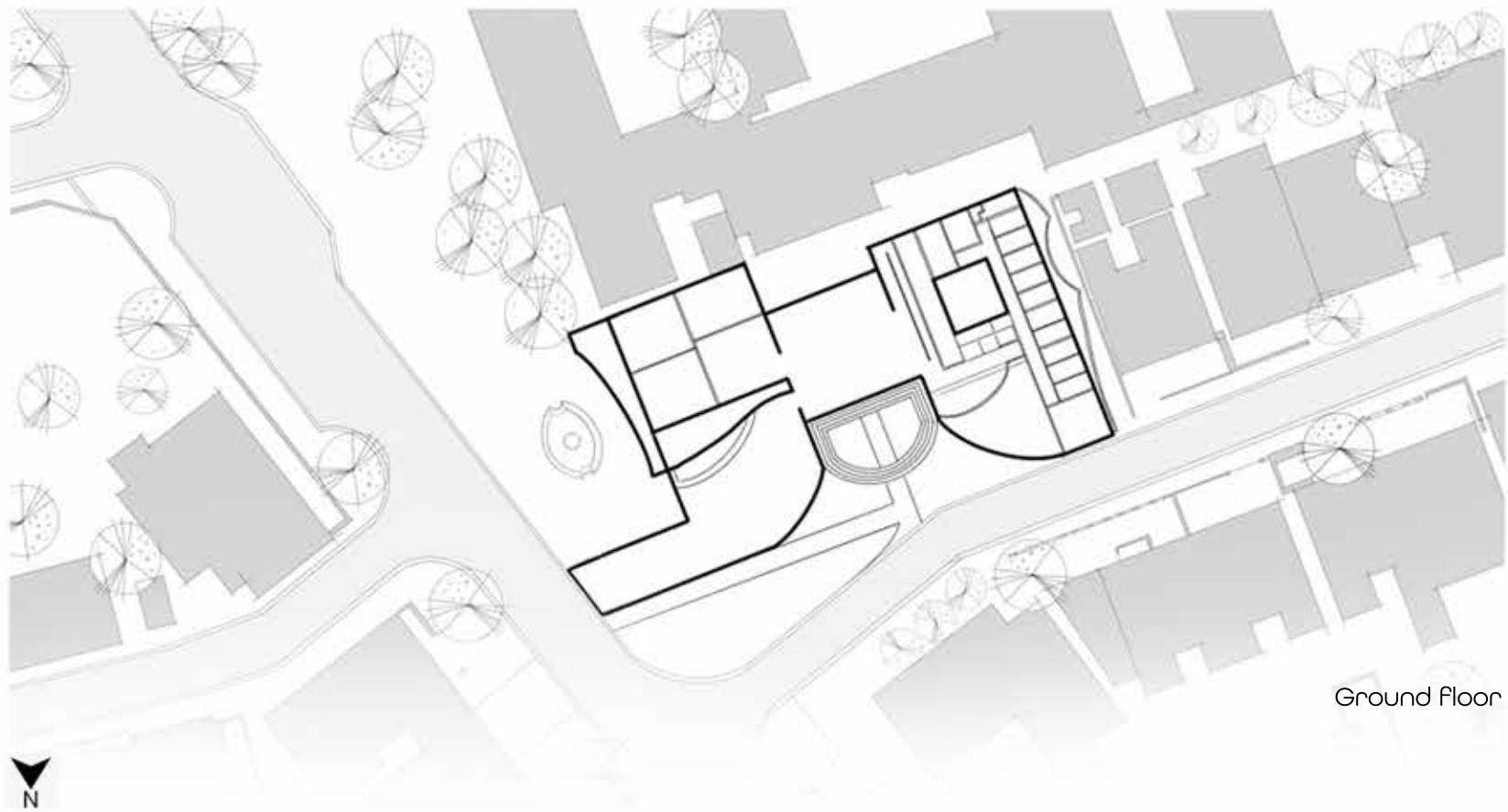


The roof is a cretecte layer to create a seamless connective tissue that seemingly joins to the existing fabric like a cloth draping over the urban scheme



A large Fenestration encourages people to watch the performance from outside. Permeation and courtyards are devised for air circulation and natural light.

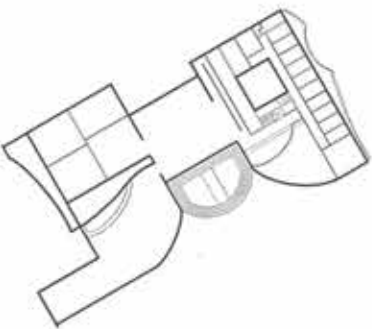




Ground Floor

# The Design

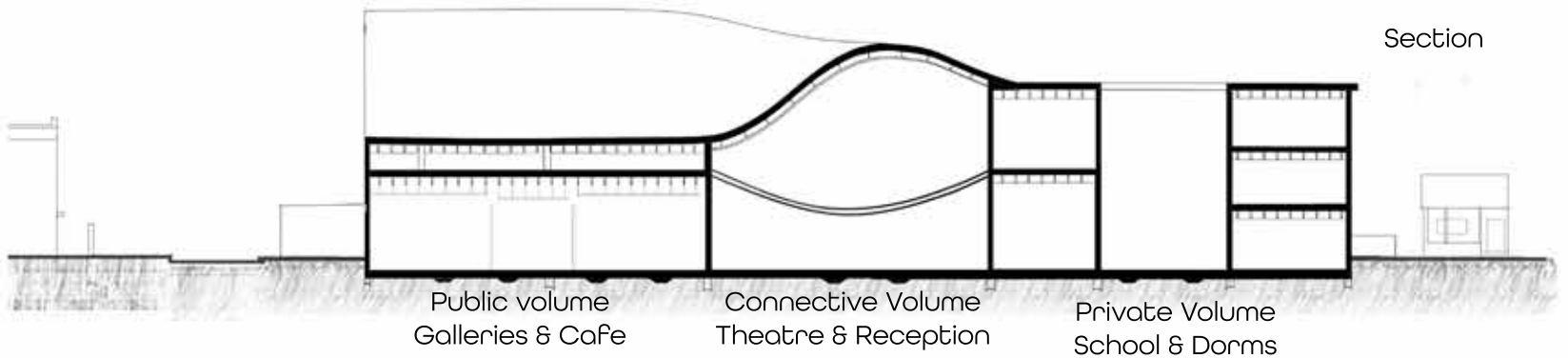
The design is a fluid structure consisting of a public volume for cafes and exhibitions and a private school volume with classes, dorm rooms, bathrooms and offices. The private and public volumes are connected through a CLT floating theatre joint in the centre of the design. The edges of the theatre are glass, and allows for people outside to be connected inside.



Second Floor



Third Floor

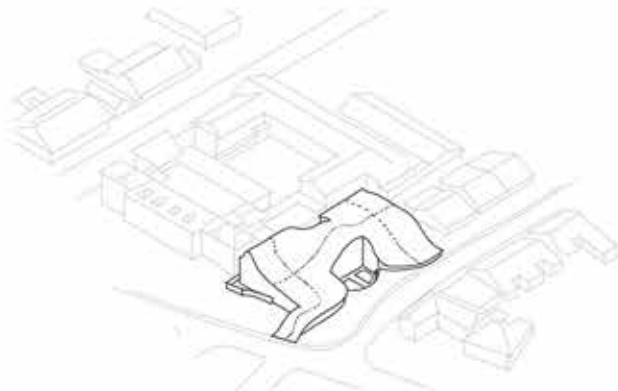


Section

Public volume  
Galleries & Cafe

Connective Volume  
Theatre & Reception

Private Volume  
School & Dorms





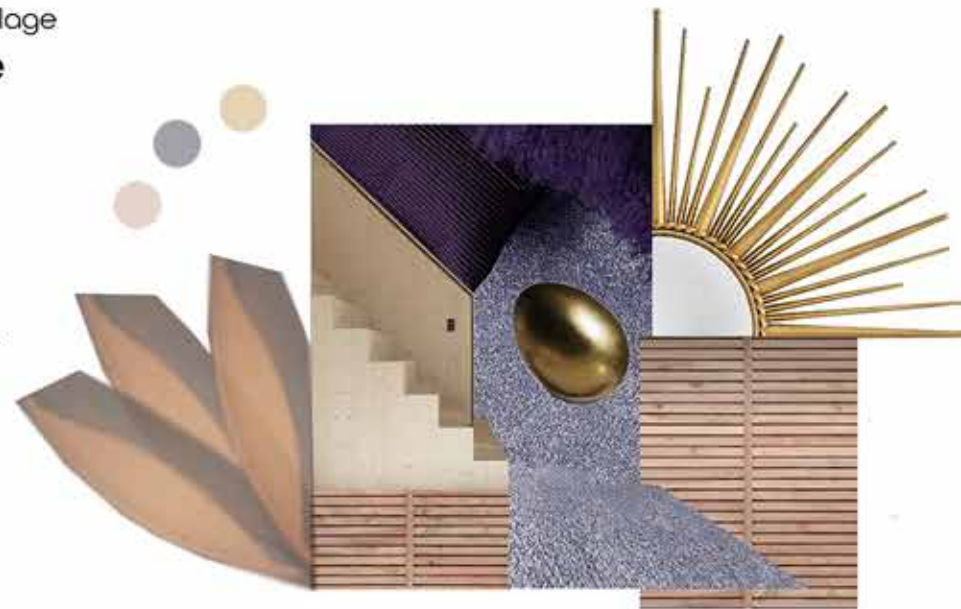
## Interior Concept Collage Public Cafe

1. Polished concrete
2. SA Pine Glulam arches and timber slats
3. Variegated salmon pink and emerald tiles
4. Gold accents and ring chandeliers
5. Pink pillar candles and emerald/pink decor and planters



## Interior Concept Collage Small Theatre

1. CLT acoustics
2. Steambent post and backer rail stained birch cladding
3. Navy blue carpets and plush step cushions
4. Polish brass accents and radial Featurettes







[02]

# Reclaim

Trafalgar Park  
Macro design of a park  
with micro design of a public library  
2021

Keywords:  
Softening Boundaries  
Spatial Justice  
Activity and Amenitiy

Scan this QR code  
with your phone  
camera to watch  
a video walkthrough  
of this project >





# TRAFALAGR PARK

## Analysis

Trafalgar park is a contested space full on nostalgic memories for existing residences. But over the years, through shifting zoning regulations and gentrification in the area, the park has seemingly lost its magic.

To interrogate how Trafalgar Park has lost its magic, a set of analyses were undertaken to unpack underlying issues.

## Challenges & Opportunities

From these analyses an understanding of how it lost its magic surfaced. Recent commercial zoning resulted in an 8-5 workspace and left the park unguarded by pedestrian activity throughout the day and on the weekends.

This, along with unfriendly, hard and closed off edges has created insecurity within the park and a loss of activity.

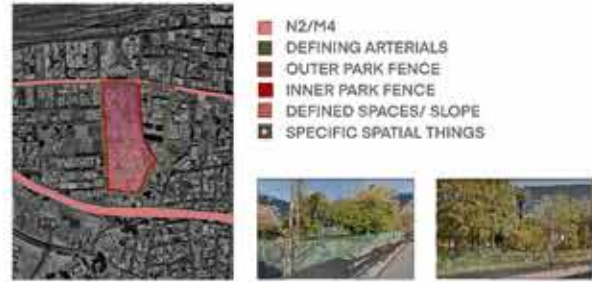
## Proposal

It is proposed to transform the park by addressing the harsh edge conditions through a public garden farm fence and pedestrian activity through amenities and better, clearer and safer wayfinding.

## PHYSICAL INFLUENCES



Types of spaces around Trafalgar park, highlighting densities of special and functional relationships surrounding and in the park



Separating elements of Trafalgar park, fences, boundaries and other features that close the park off from the urban fabric



Access routes into Trafalgar park, showcasing the limiting effect of current entrances in relationship to related spaces

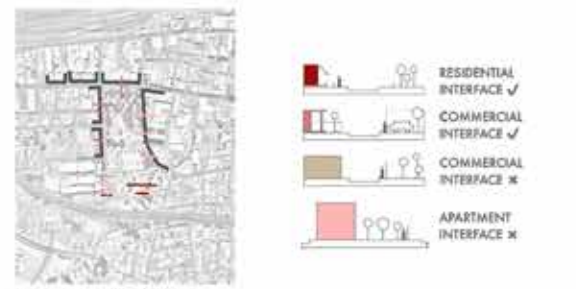
## SOCIO-CULTURAL INFLUENCES



USERS AROUND AND IN THE PARK, POINTS OF USER INTEREST AND REFLECTING DEAD ZONES OF WORKING-WEEK OFFICES



ZONING OF SPACES REFLECTING DENSITIES, MAPPING ASSUMPTIONS OF GENTRIFICATION



BUILT FORM REFLECTING LACK OF SELF-IDENTIFYING STAKE-HOLDERS OF TRAFALGAR PARK (NEIGHBOURHOOD-OWNERSHIP)

## USE-DERIVED INFLUENCES



EXISTING SITES THAT PRESENT OPPORTUNITIES FOR NEW VEHICLES OF USE TO INTERACT AND IMPROVE RELATIONSHIP WITH SITE



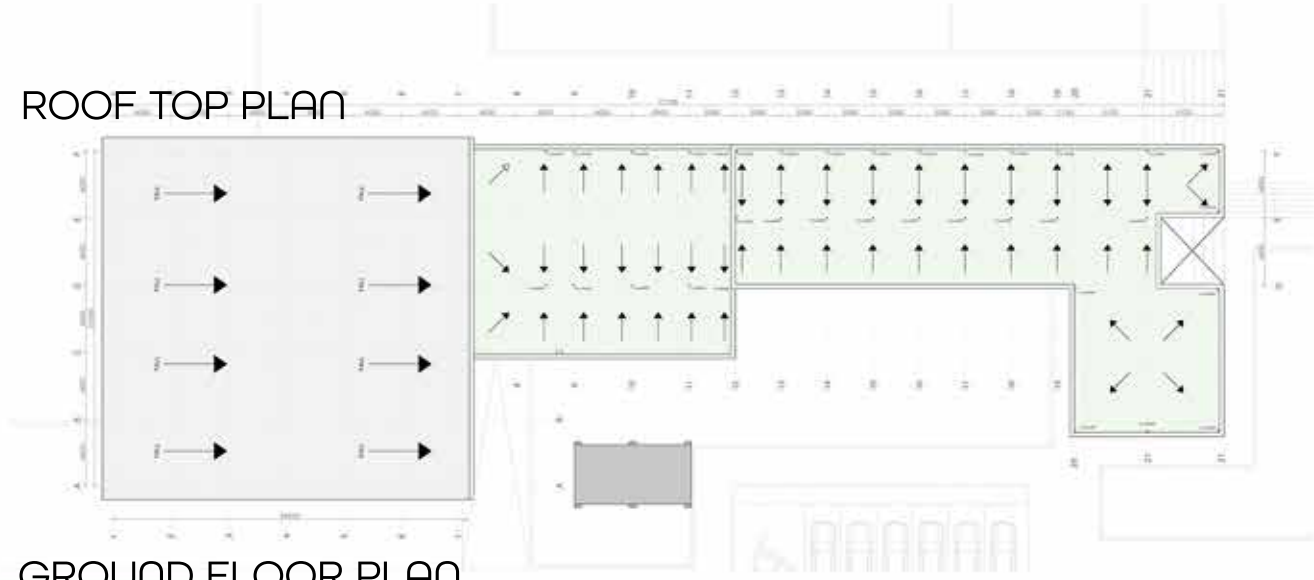
SUCCESS INDICATION OF CURRENT ZONED SPATIAL USES DELEGATED BY PRE-EXISTING HARD BOUNDARIES



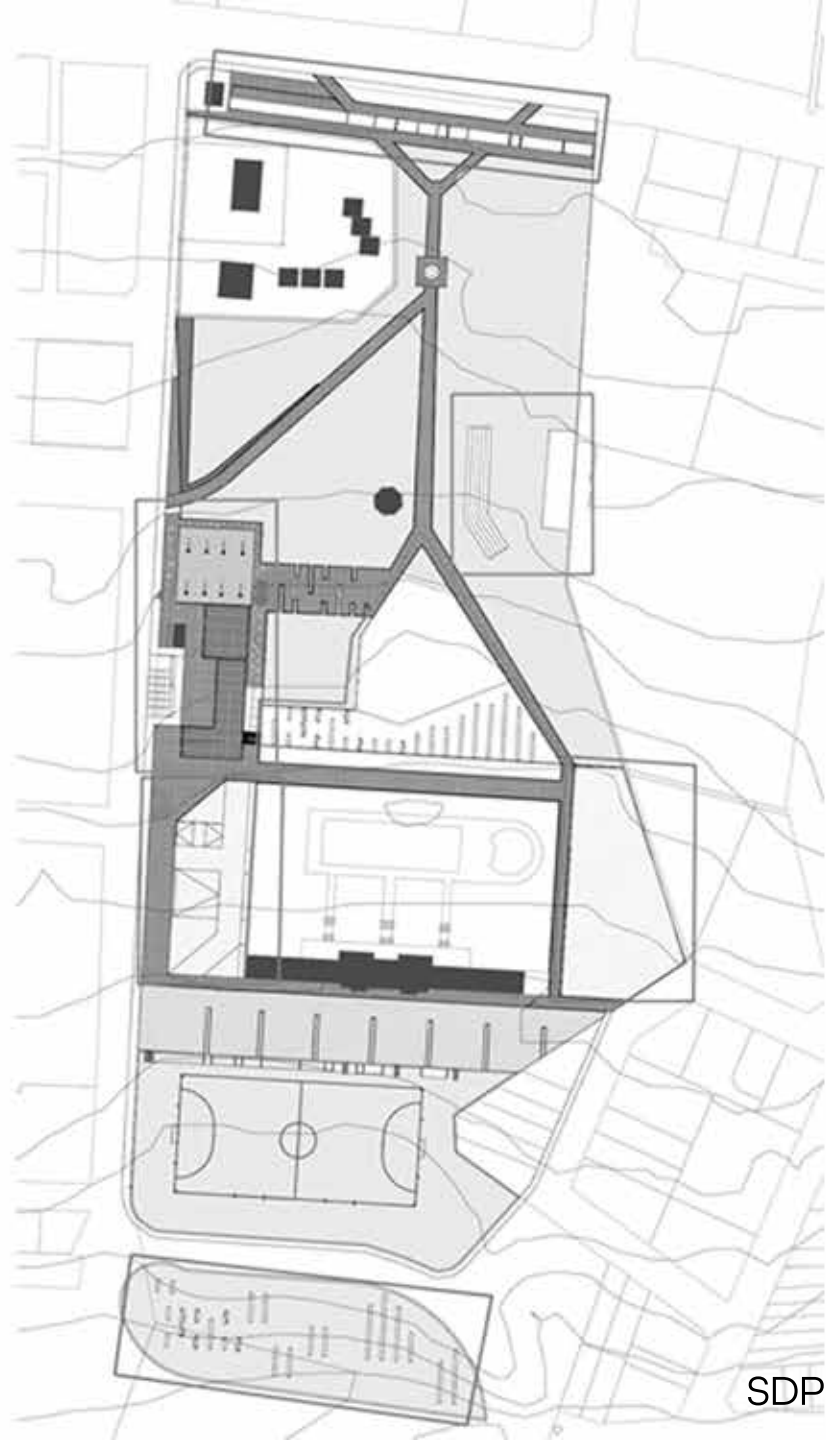
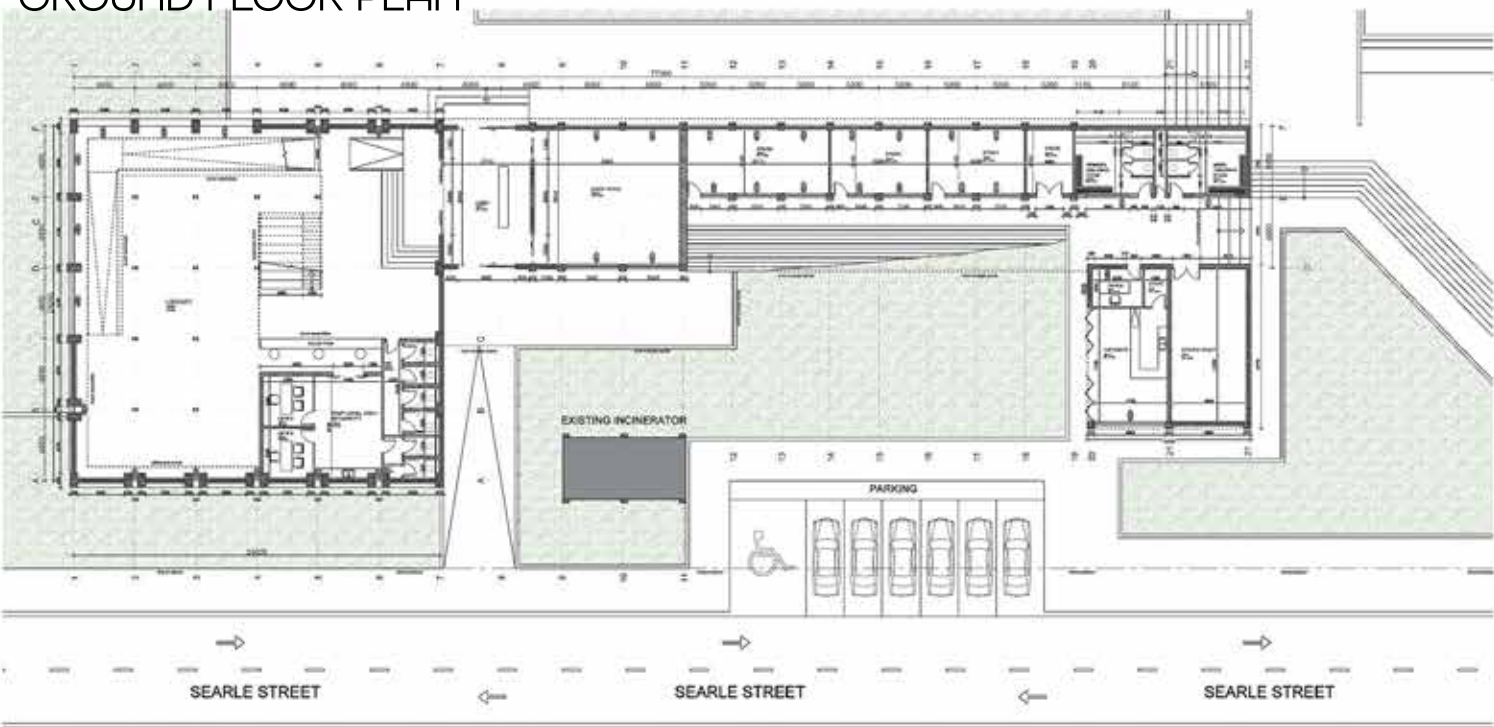
EXISTING ARTIFACTS THAT PRESENT OPPORTUNITIES TO FURTHER ENHANCE SITE USE-QUALITY

PARK AND PUBLIC LIBRARY

ROOF TOP PLAN

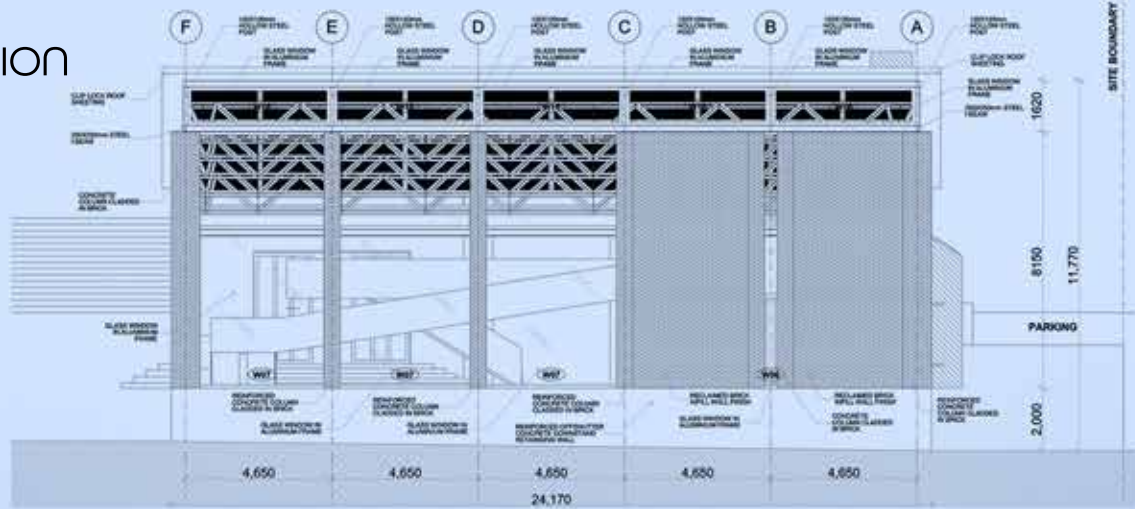


GROUND FLOOR PLAN

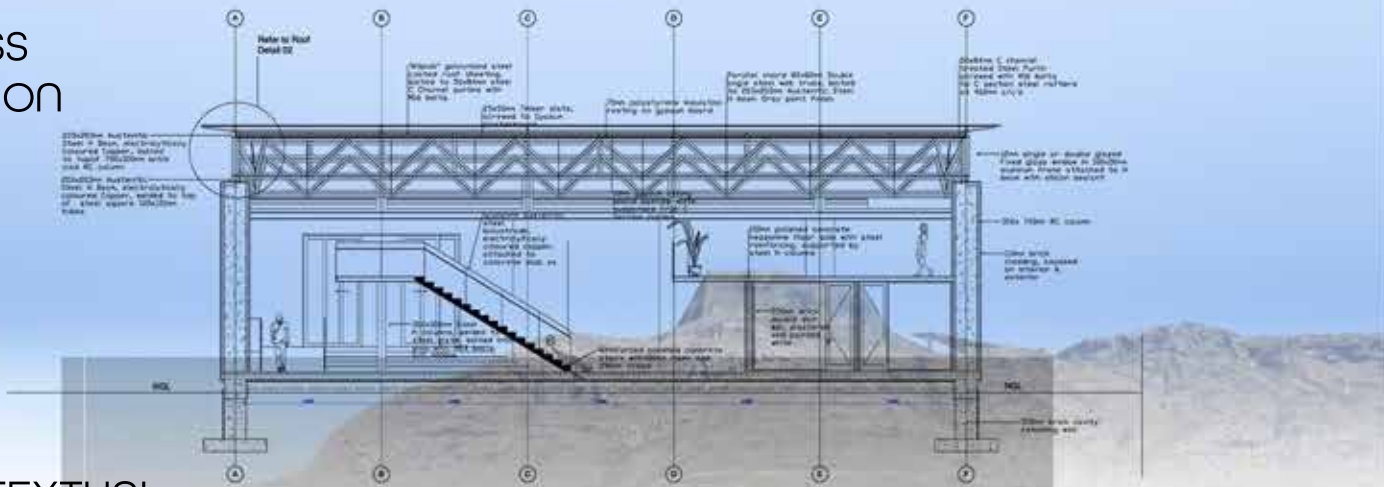




ELEVATION



CROSS SECTION



CONTEXTUAL SECTION

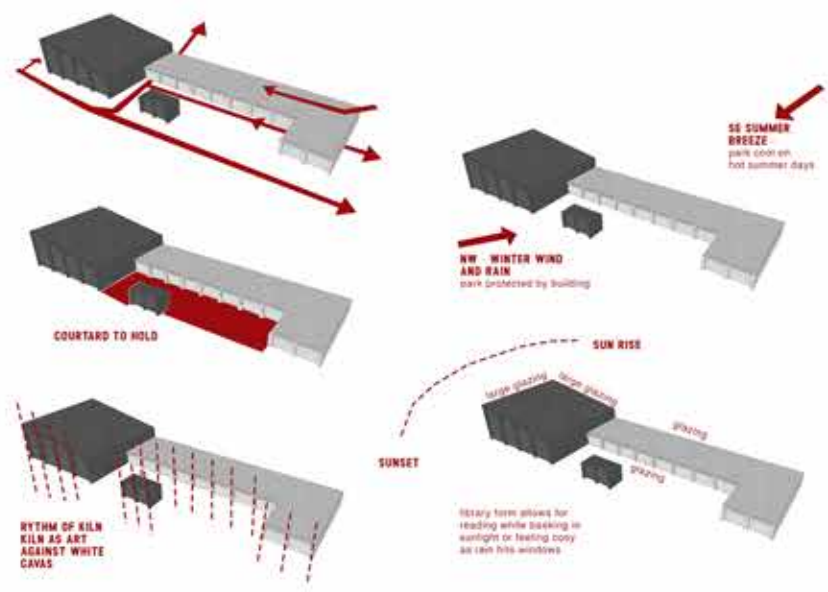


# The Public Library

Though a variety of amenities, ranging from a skatepark to taxi rank to splash ponds exist, the park is held together by a solid stereotomic spine, which is the Public Library.

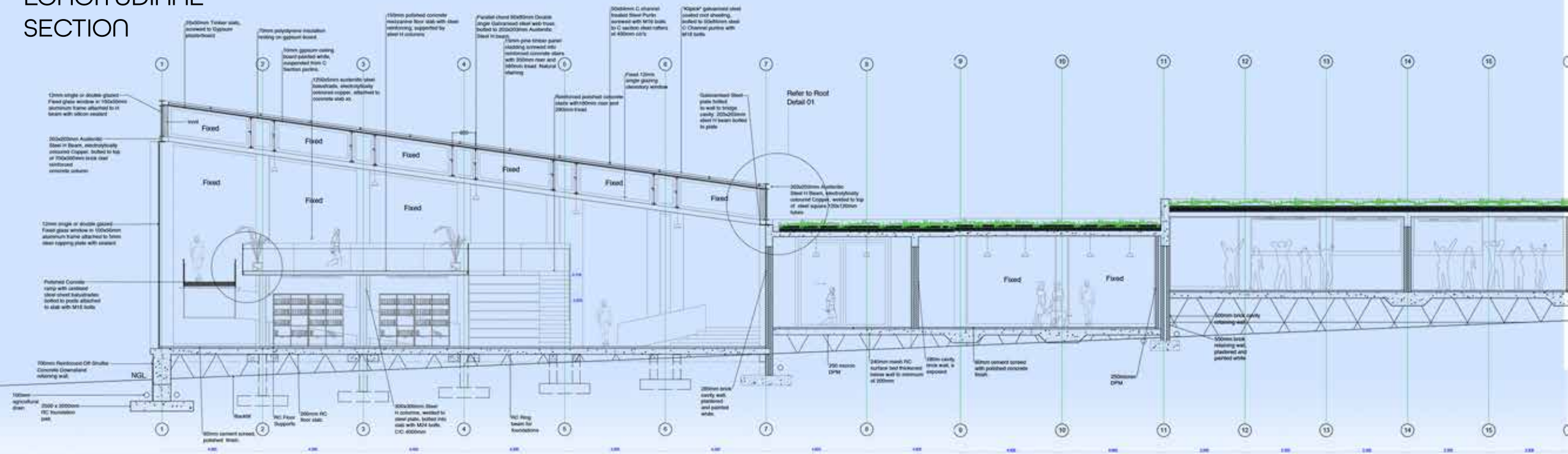
It is designed to be a bold statement, bringing senses of stability and trust to the park. Clerestory windows and large fenestrations illuminate the park at night, turning the library into a gorgeous lantern made from brick and coppery warm accents.

The library is formed from a large head, full of books and tables for students after school, and a tail, full of supporting services from offices to rentable-mixed-use spaces, bathrooms and a plant room.

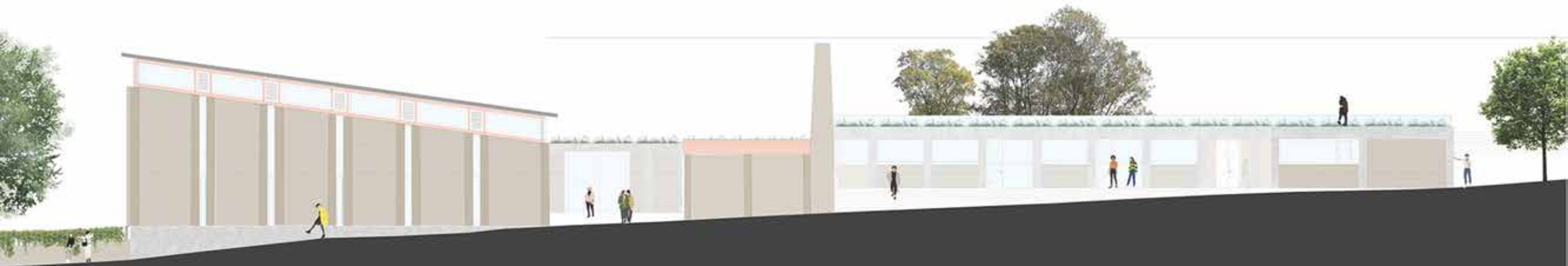


STRATEGY DIAGRAMS

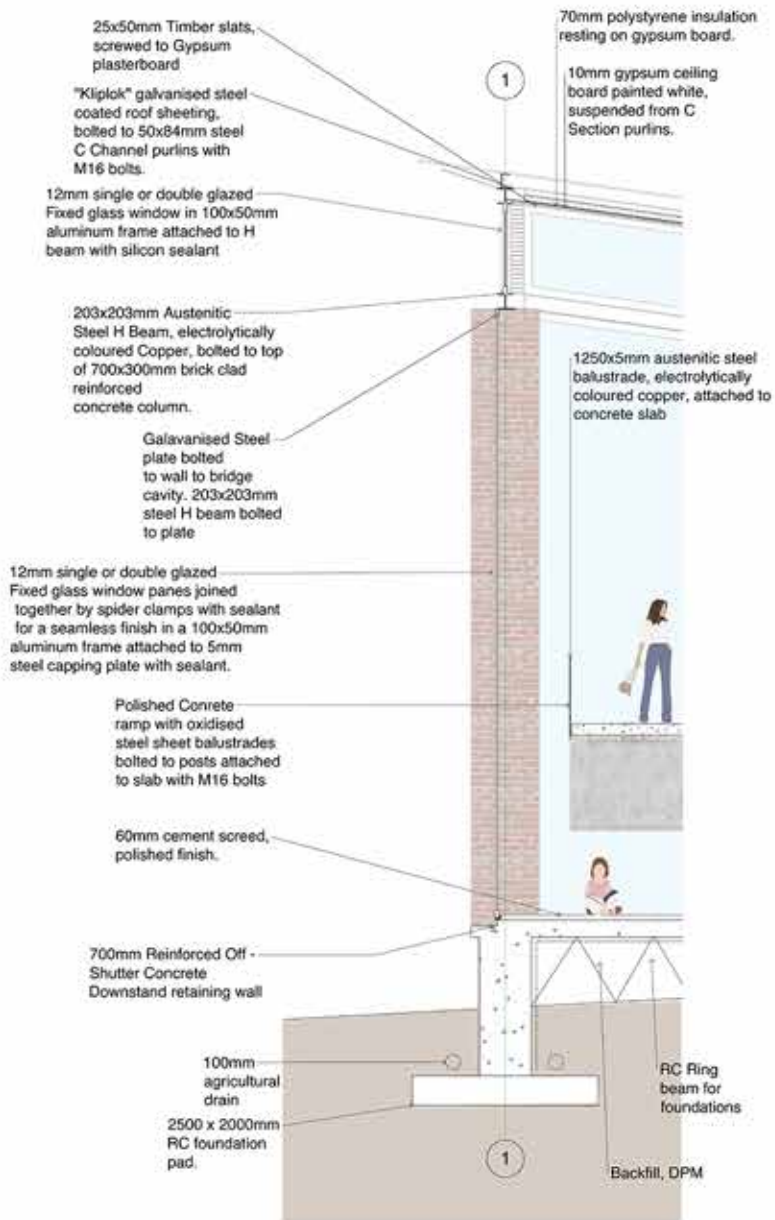
## LONGITUDINAL SECTION



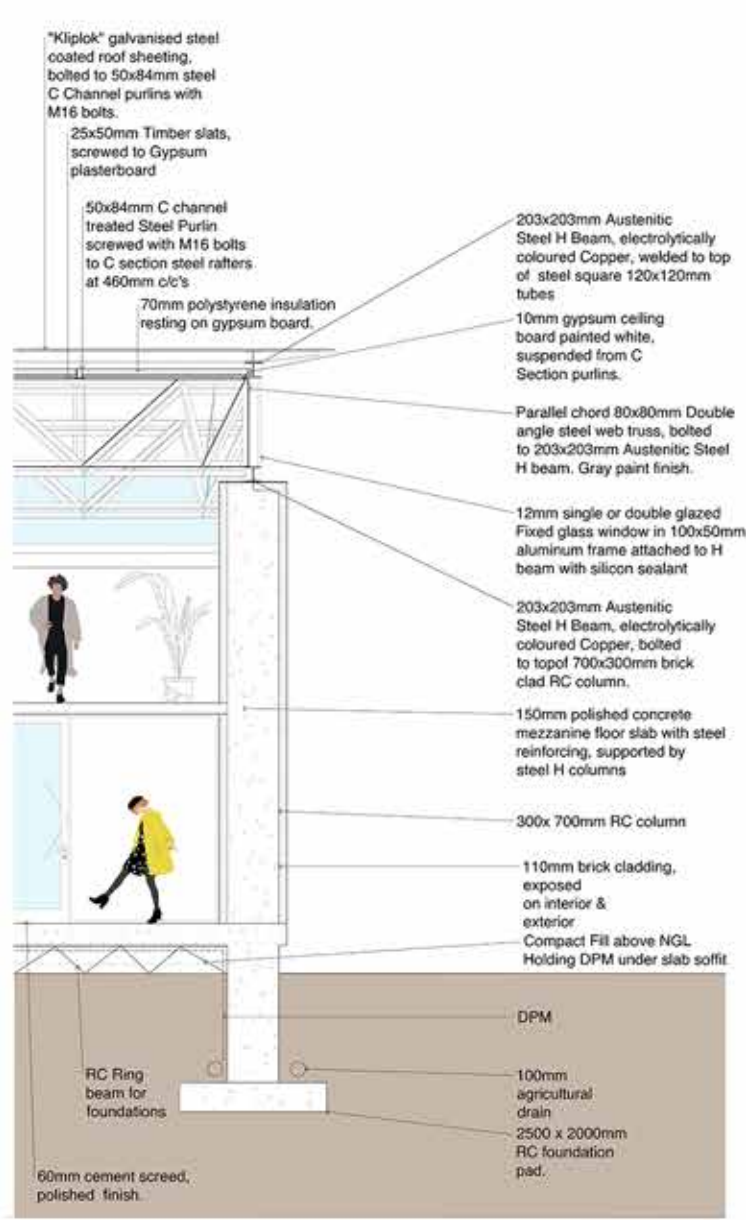
## LONGITUDINAL ELEVATION



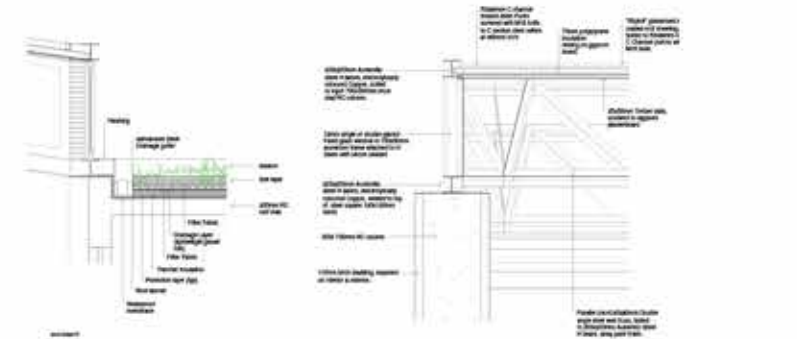




STRIP SECTION A-A

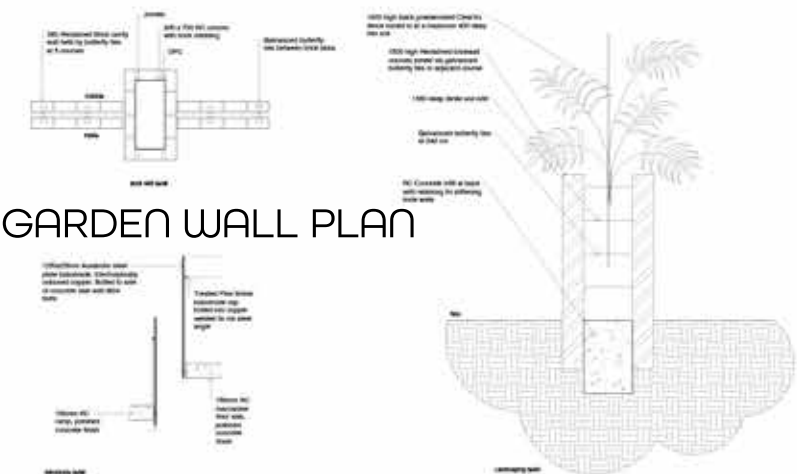


STRIP SECTION B-B



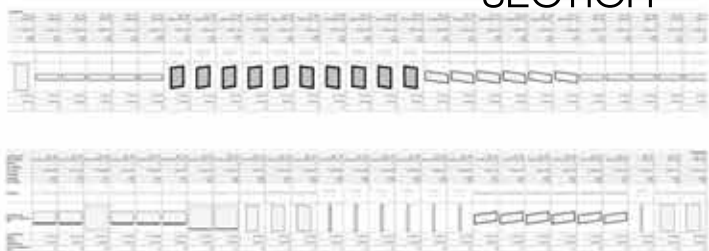
ROOF DETAIL A

ROOF DETAIL B



GARDEN WALL PLAN

GARDEN WALL SECTION



WINDOW SCHEDULE



[03]

# SANCTUARY

LGBT+ centred mass housing & homeless shelter,  
Mass Housing Rowhouses  
2019

Keywords:  
Protection  
Frame-Construction  
Generative Power





# SALT RIVER

## 1900s

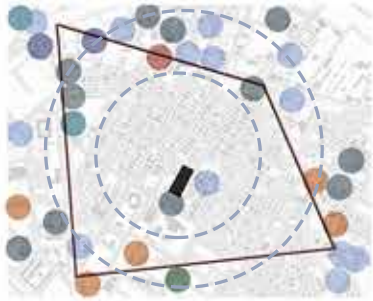
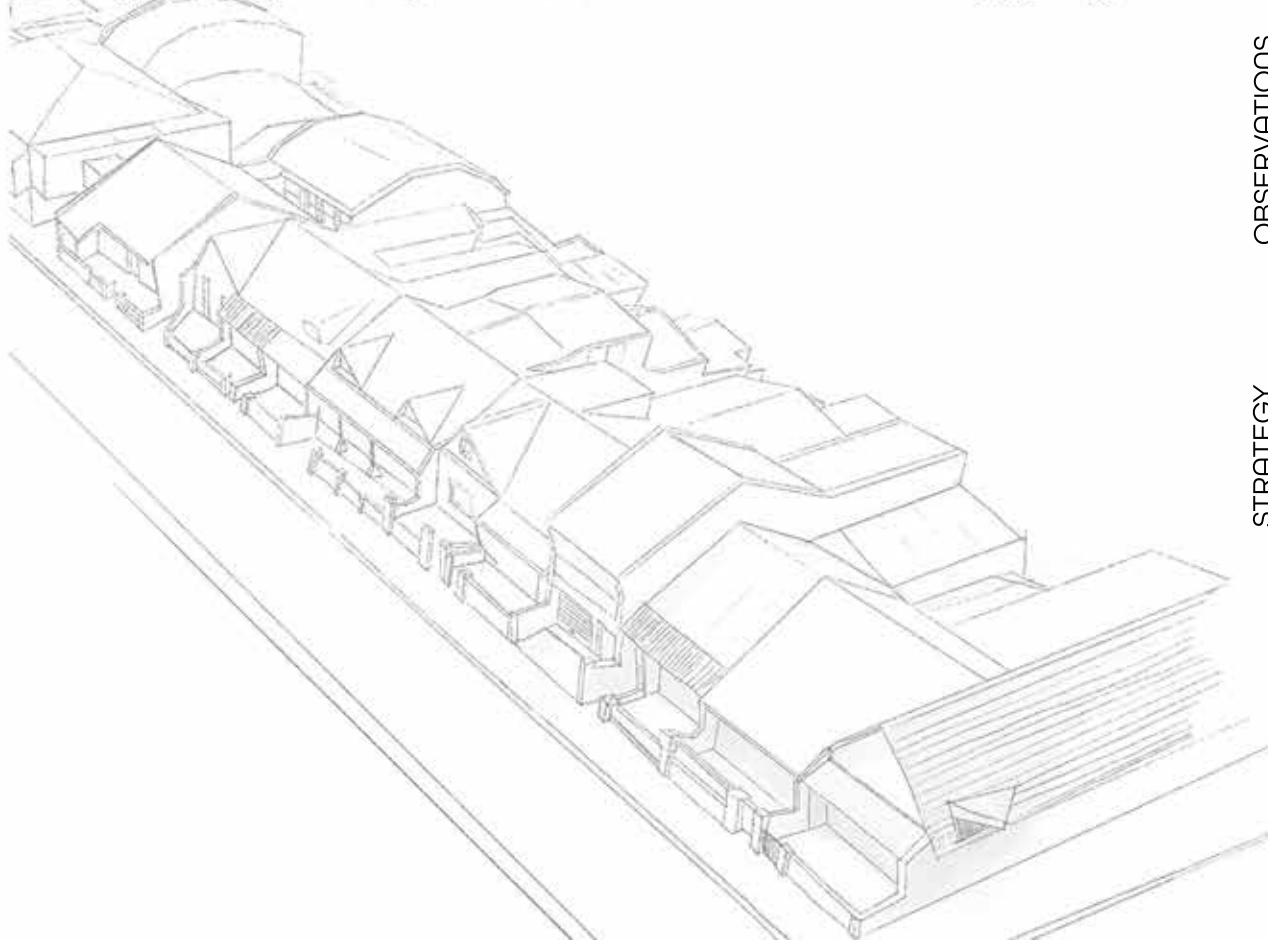
Industrial history and railways lead to rapid development. 2 dominant primary routes structure the area: Albert road and Victoria road. A secondary structuring element is the grid iron residential sub divisions.

## Late 1900s

Salt River became a popular suburb for the working class Cape Malay and Coloured demographics due to the proximity to manufacturing plants even before the forced removals of District 6. Interestingly, the Coloured populace could own property but other races couldn't. Islam and Christianity coexisted in the space.

## Today

Salt River is now a part of South Africa's R20bn city development scheme. Despite urban regress, the existing community is welcoming. Gentrification can be seen within the area bringing many youths.



Variety of activities within 20min radii such as religious, commercial, educational and recreational



High commerce activity and traffic along main roads that frame residential space of low 1-2storey masses.



-Adjacent massed shadows  
-Eastern edge has direct light  
-Site protected against strong winds  
-Mountain view to the south

## OBSERVATIONS



-Common 1 storey  
-Uncommon 2 storey  
-Varying styles & colours

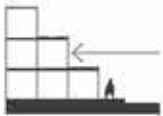


-Victorian/Neoclassical styles  
- Commercial spaces are more decorated homes

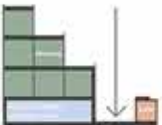


-Complex thresholds  
- Eyes on the street  
- Permeation

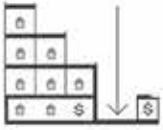
## STRATEGY



Residential Densification and height offset for scale from street



Mixed-income households with shelter below to combat youth homeless crisis in Cape Town.



Mixed-use development that upsills and reinvents mom-and-pa shop typology.



Site sketches





Longitudinal Section



Street Elevation



Sub-street Elevation

## The Design

### Shipping Containers and Variation

The Design is a RDP typology to occupy the whole sight. Created through varying shipping containers painted different colours and insulated with garden roofs of different specific vegetations for diversity

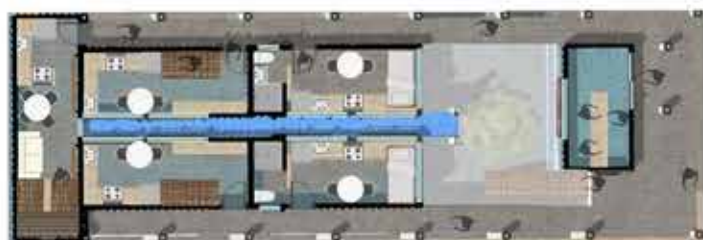
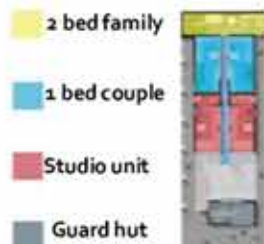
### Valleys, Bridges and Mountains to connect us all

The project offsets from the street and the ground, creating a valley and a bridge to connect to more private residential spaces and provide a safe, commercial valley sub-level from the street.

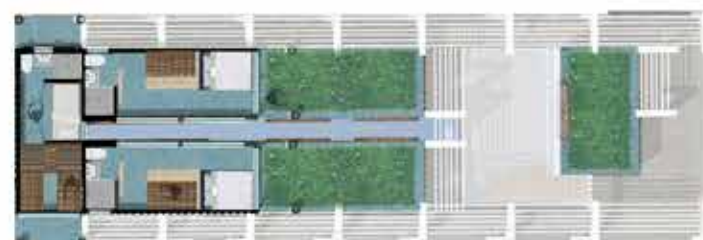
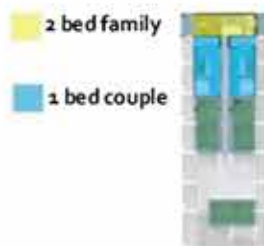
Here shops, cafes and trade exist and allows for the people in the shelters to be upskilled and sell their things in a safe mixed-use community.



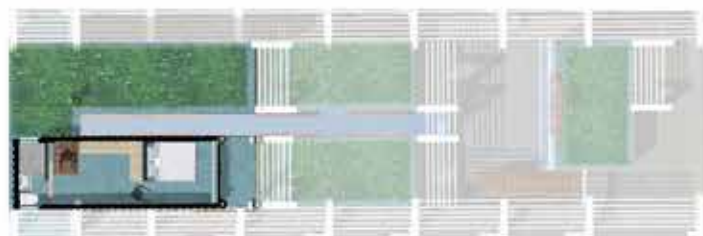
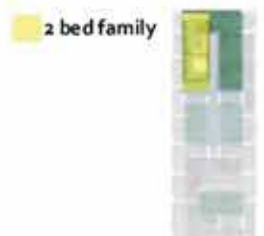
SUBLEVEL PLAN



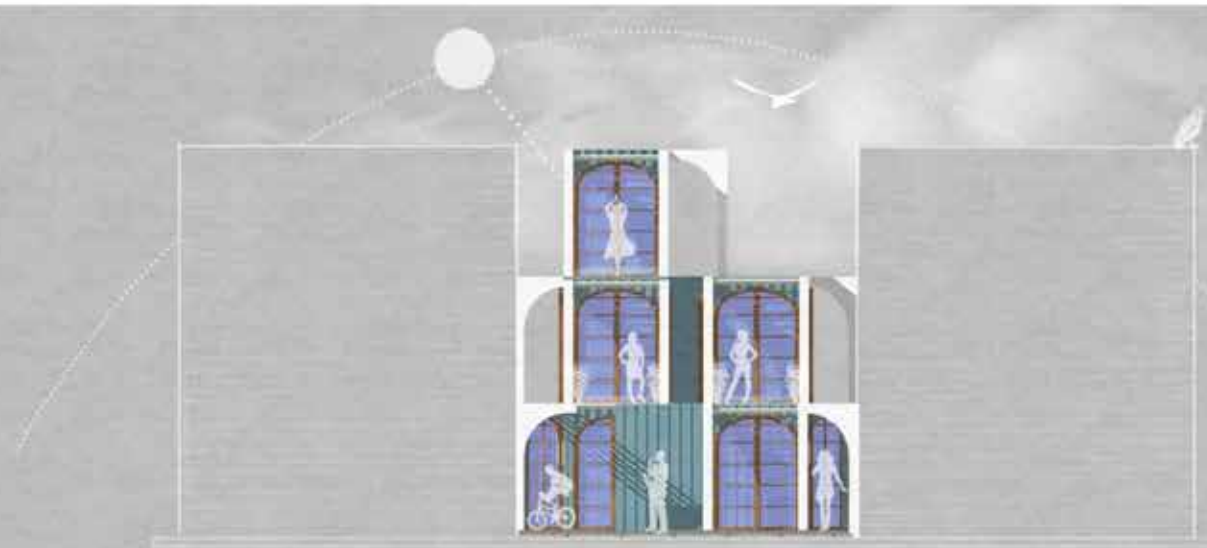
GROUND FLOOR PLAN



FIRST FLOOR PLAN

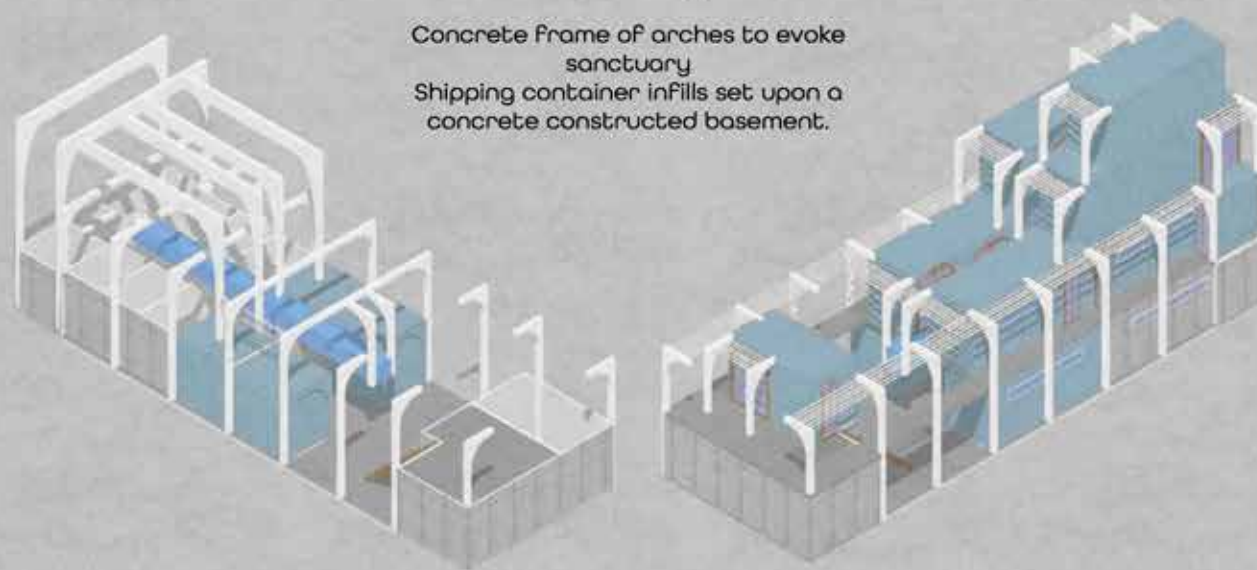


SECOND FLOOR PLAN



Structural logic

Concrete Frame of arches to evoke sanctuary  
Shipping container infills set upon a concrete constructed basement.







[04]

# Vessels for Cartharsis

Student Respite Pods  
2018

## Keywords

Womb

Renew/Recoup/Restore

Treehouse







# ESCAPE FROM THE BUSTLE OF LIFE

## THE PROJECT

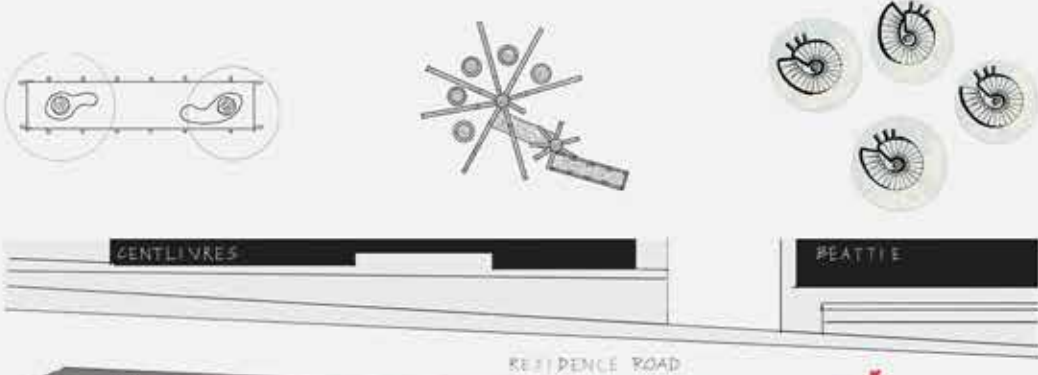
The rapidly developing social and technological world has created a need for students to retreat and ground themselves whilst on campus in the name for better mental health. This project focuses on the provision of wellness pods within the University of Cape Town.

## THE SITE

The site is located in Fuller Gardens, amidst an old Victorian garden of hedge walls and tall oak trees. Perfect for reflection and escape.

## DESIGN PROGRESS

The design began as a simple linear bench between two trees, evolving into a jungle gym-like pavilion for play before reaching the solution; a set of dispersed pods for privacy with skylights.





100% Pure, 100%  
 All Natural, 100%  
 100% Pure, 100%  
 100% Pure, 100%

### Dovetail shell joinery









[05]

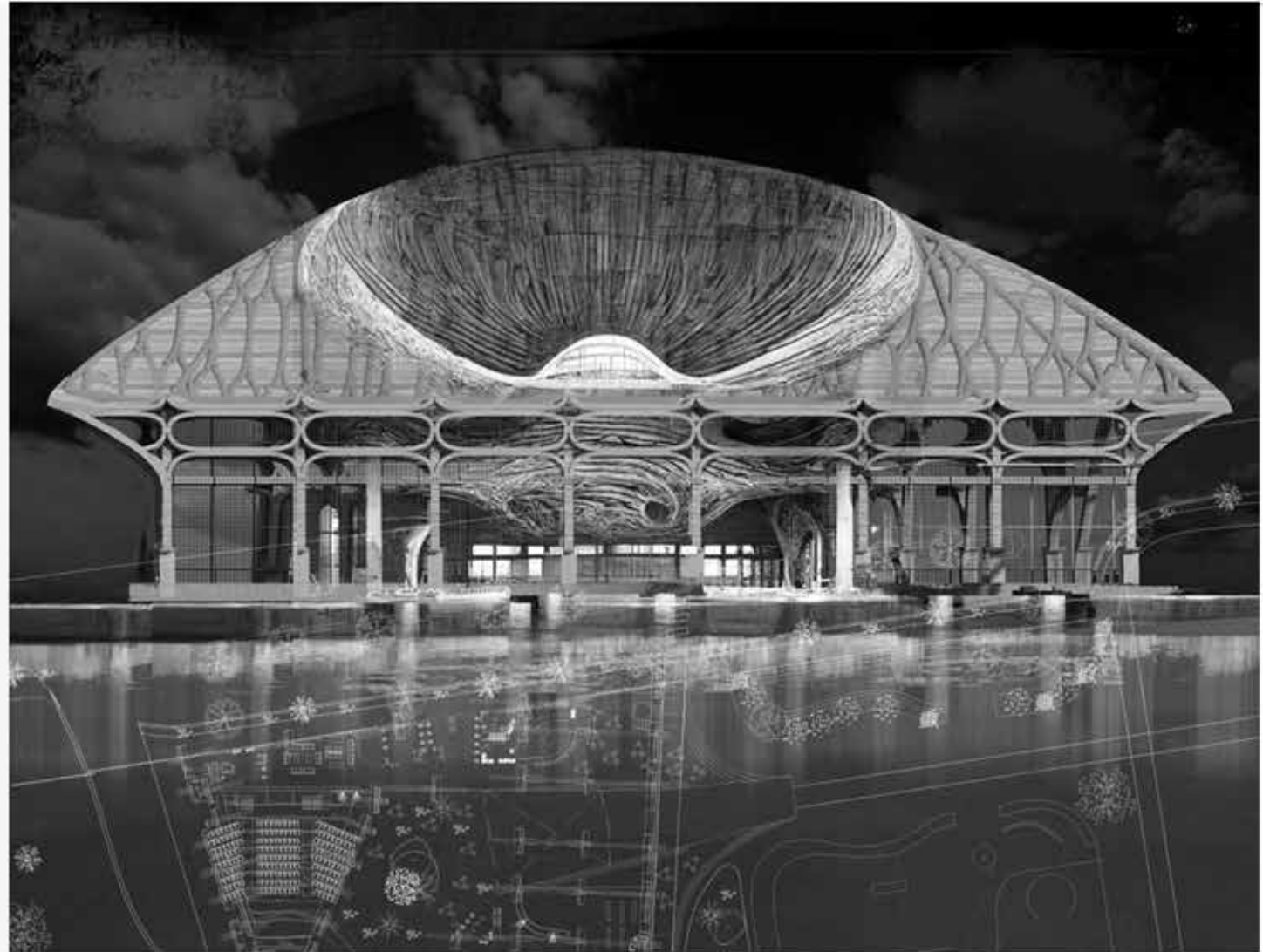
# Connective Tectonics

The Kunye Cultural Community Centre  
Weaving People Space and Time  
2022

Keywords:

Connection  
Roof  
Tectonic  
Cultural Networks

Use your phone camera  
to scan this QR code  
to flip through this design  
dissertation online >



# CONNECTIVE TECTONICS

How have we lost our  
conection to timber?

The climate crisis acted as a  
driver for my masters proj-  
ect.

It prompted an investigation  
into how we lost our ontologi-  
cal connection to timber.

This was explored through  
tracing timber trajectories  
from following the timber in-  
dustry history in South  
Africa, to myriads of draw-  
ings on vernacular architec-  
ture to speculating principls  
of the Roof, Tectonic and  
Connection as design princ-  
ipals that were derived from  
these analyses.

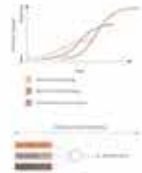
## A Speculative Timber Future

An exploration simulating re-  
interpretations of past  
timber practice was under-  
taken to explore the material  
of timber and gain an un-  
derstnading of how to refer-  
ence the past without copy-  
ing.

The experiments explored  
parametric design and struc-  
tural optimization through  
Rhino Coding before being  
made into physical  
prototypes.

## THE STUDY TRACING TIMBER TRAJECTORIES

### THEORY SCHINDLER'S PERIODIZATION MODEL



### THEORY THE SEMPERIAN ELEMENTS OF ARCHITECTURE



## THE SIMULATION TRANSLATING TIMBER TRAJECTORIES

### SIMULATION A :// WATTLE AND DAUB FRAME \_ LAMINATES



### SIMULATION B :// TRUSSES \_ SPACE FRAME TRUSS



### SIMULATION C :// GRIDSHELL \_ STEAMBENDING



### NEW TIMBER INNOVATIONS PROCESSES

[STEAMBENDING  
LAMINATES]

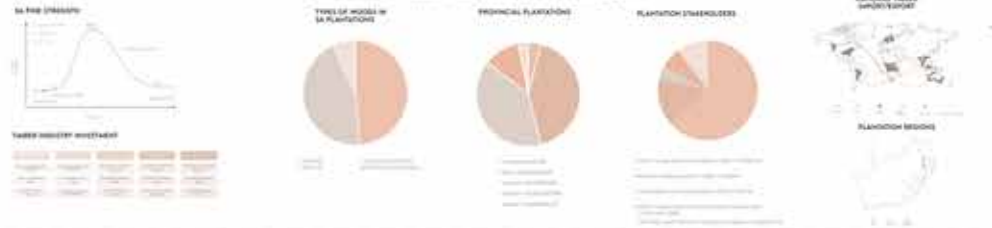


### NEW TIMBER INNOVATIONS TREATMENTS

[RHINO MODIFIED  
MOON HARVESTED  
MULTICULTURAL  
TIMBERS]



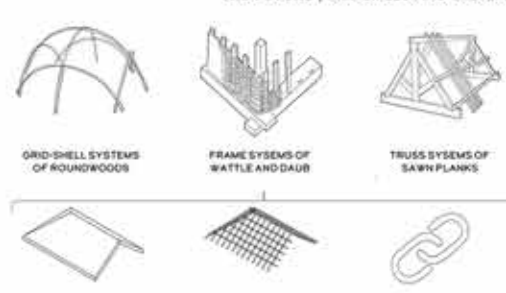
### THE PRESENT | TIMBER INDUSTRY



### THE PAST | PRECEDENTS



### THE FUTURE | PRINCIPLES AND SYSTEMS





# SITE AND SOCIAL DISCOURSE

## REFRAMING THE GALLERY

Current cultural spaces can be problematicized architecturally as hard-edged, stereotomic and exclusive Fraternities.

Timber tectonics inherent nature in our zeitgeists can relieve such exclusive symptoms through transparency, permeability and welcoming warmth.

## IMIZAMO YETHU, HOUTBAY.

The chosen site is Hout Bay, known as wood bay, on an open green field site near the informal township of Imizamo Yethu.

The site is contested due to classist apartheid-esque modernist sub-district planing that has caused urban sprawl up the steep and dangerous skoorsteenberg peak for Imizamo Yethu.

This has resulted in cultural and formal community facilities to be displaced and inaccessible for the residents, failing to uplift the vulnerable community.

## THE SITUATION TRANSMUTING TIMBER TRAJECTORIES

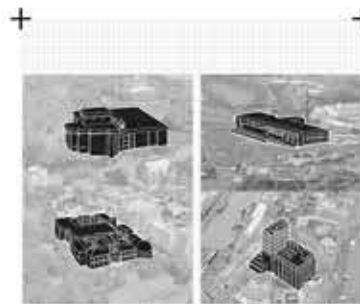
### THEORY | CULTURAL SUBSTANCE RICHARD FLORIDA, "THE CREATIVE CLASS."

Cultural education and engagement have the potential to uplift communities. Urban and economic growth relies on the influx of and habitation by individuals engaged in 'creative' fields of work.



### THEORY | CULTURAL FORM MAKING WANDA ODENDAAL "REFRAMING THE GALLERY."

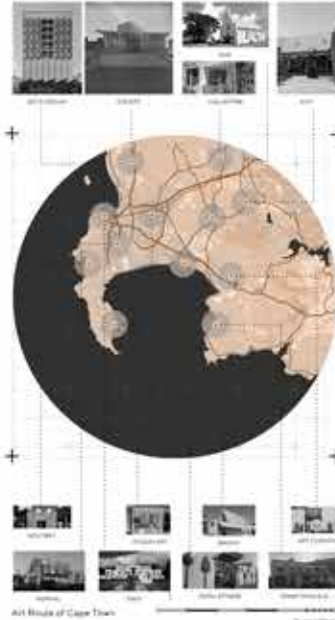
Our current institutional forms sit like castles on a hill with hard edges that promote exclusionary forms. Such forms are stereotomic, which the timber tectonics can soothe by Semperian logic.



### HARD EDGED INSTITUTES MORVAL FOUNDATION ZEITS MOCAA SANSIM BAXTER

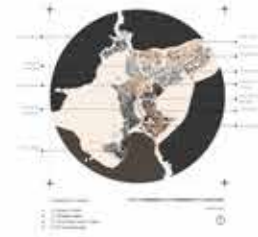
### PERMEABLE BLURRED THRESHOLDS SWEDISH PAVILION, GURAJ EXPO, ALESSANDRO RUPELLINO ARCHITECT, STUDIO ADRIEN GARDERE AND LUISI PARDO ARCHITETTI

### CAPE ART ROUTE MAPPING MAJOR ART GALLERIES



### FORECOURTS ZEITS MOCAA GUGUSTHESE

## THE SITE TRANSMUTING TIMBER TRAJECTORIES



### CLASSIST SUBDISTRICTS



### JOURNEY THROUGH HOUT BAY



### DISPLACED COMMUNITY CENTRES



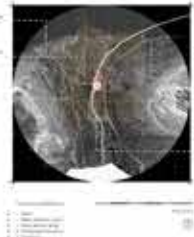
### FORMS OF CENTRES



### CULTURAL MAPPING



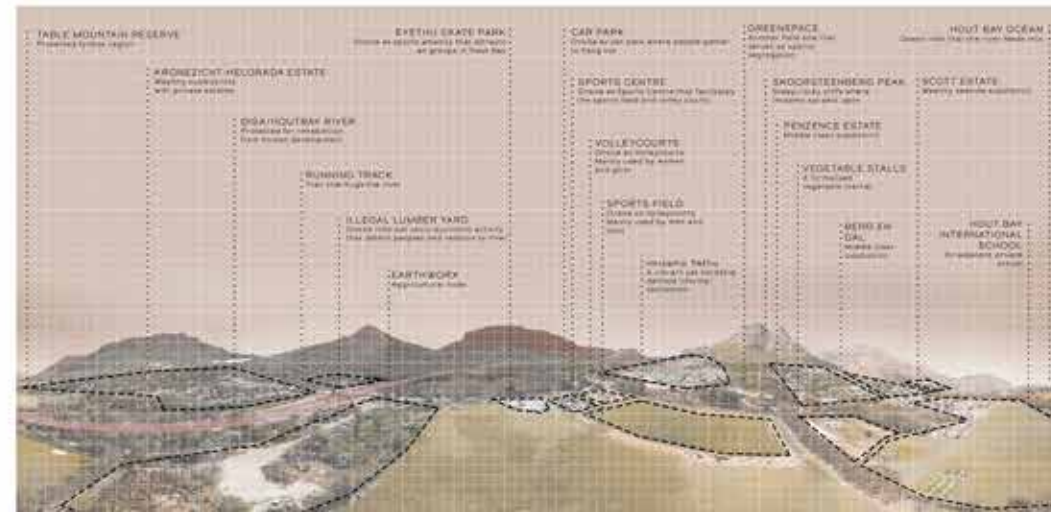
### CLIMATE ANALYSIS



### SITE STRUCTURING ELEMENTS



### SITE SECTION





# DESIGN STRATEGY

## PROGRAMME

Local tours and a guide helped unpack what the community needs within IY.

The programme is of a learning community centre that taps into a local NGO, the lalela project, to educate the youth and community about cultural arts for upliftment.

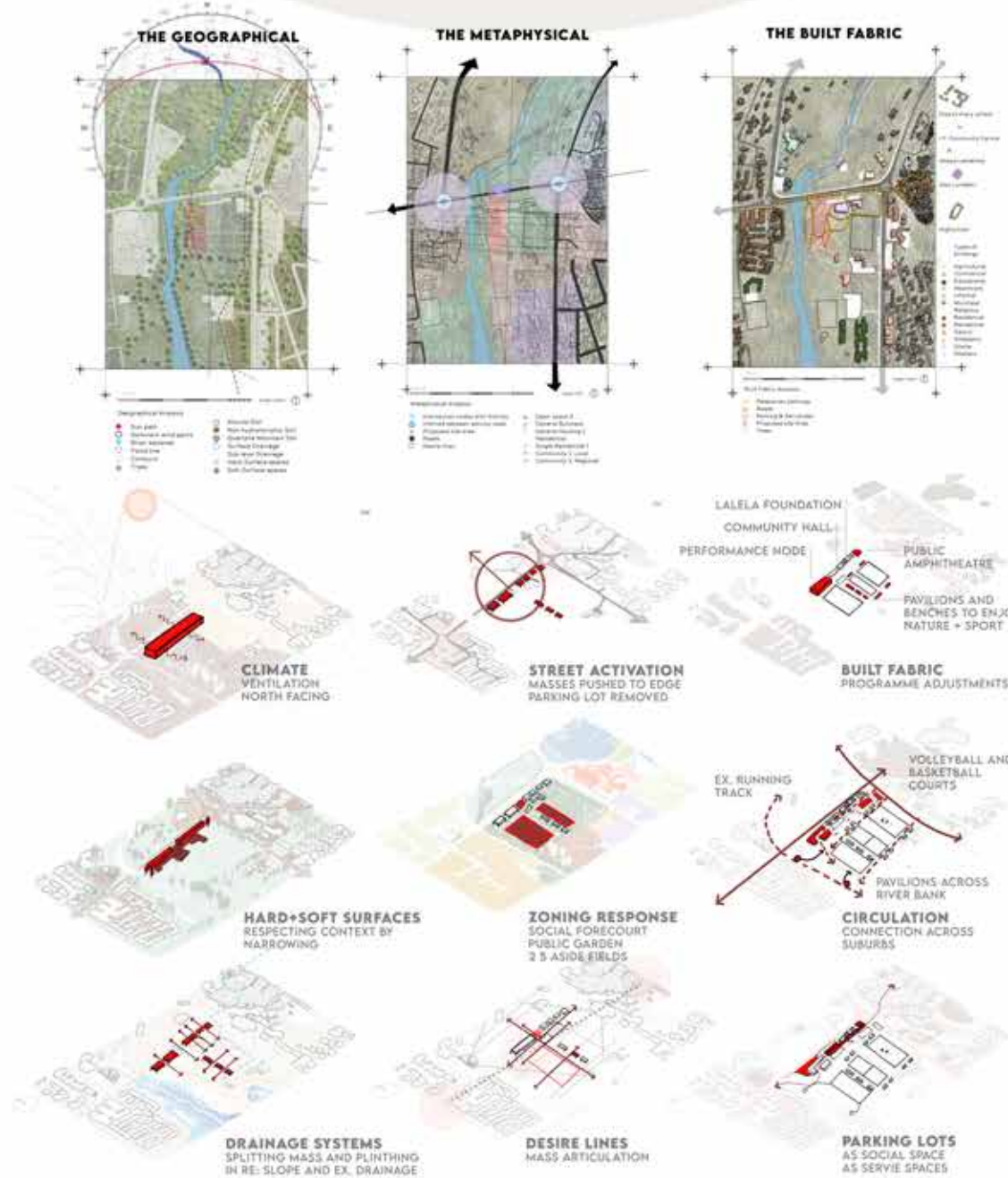
The brief is of a gallery, theatre, studios and a community centre for the residents of IY. The cultural facilities accommodate a hearth for the existing cultural activities in Hout Bay.

## ANALYSIS

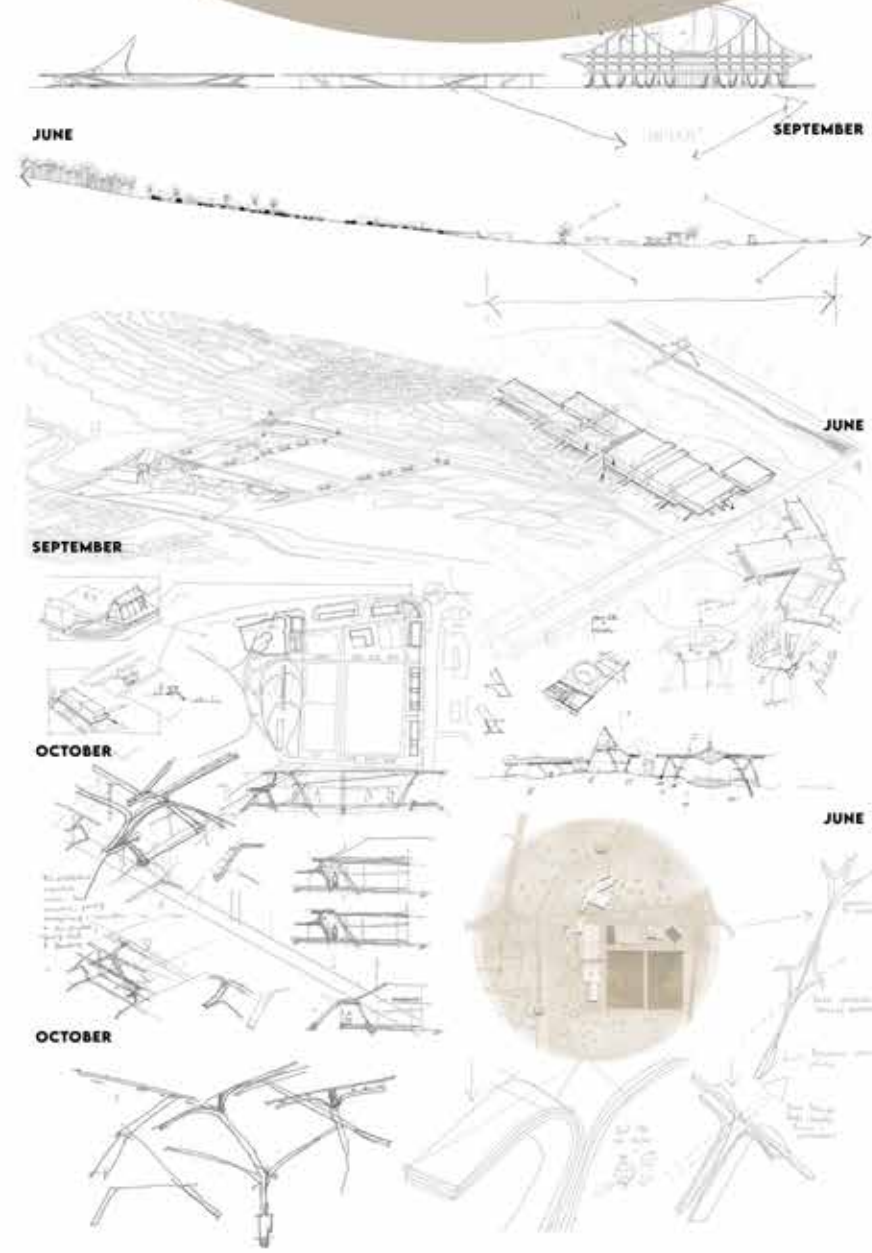
The analysis and design response was derived along 3 lines of connection; what is the site, how do we perceive the site and what have we done to the site.

These were explored and answered along 3 respective analyses, the geographical, the metaphysical and the built fabric.

# THE STRATEGY TUNING TIMBER TRAJECTORIES



# THE SKETCHES TESTING TIMBER TRAJECTORIES





# DESIGN STRATEGY

## THE DESIGN

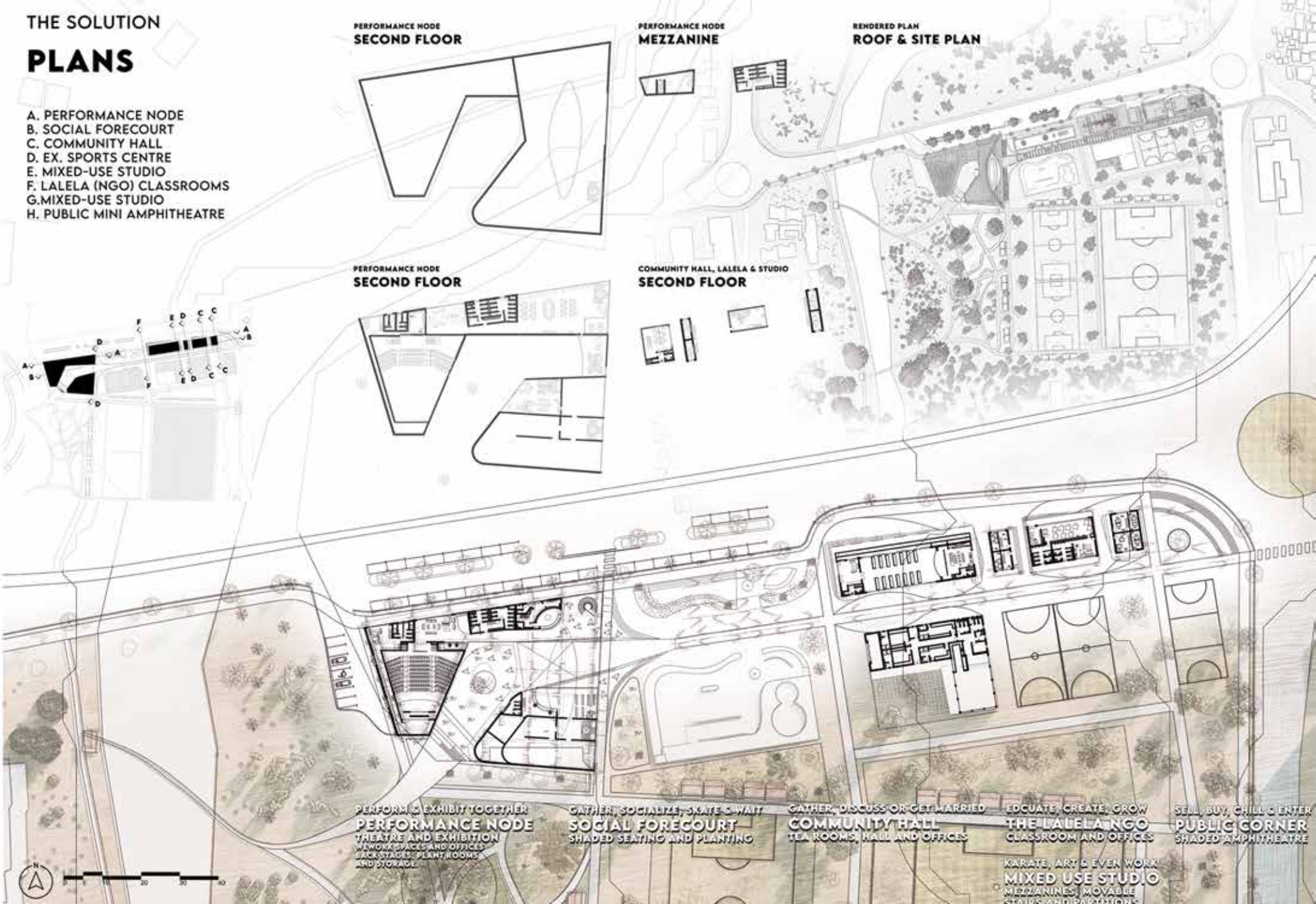
Blending afrocentric Fantasies and site-specific nautical historical references of ship hulls, the deisng consists of a series of detached buildings that culminate into a theatrical crescendo of performance node of exhisbiton galleries, theatre space and we-work study cafe,

## A SERIES OF BUILDINGS

The site is large and widely unused. As such, the project's intention was to activate the whole site for the community to use. This resulted in a series of services being de-signed From a public garden to aditional soccer fields, a social Forecourt and beter pathfinding with bridges and shaded pavillions and benches to watch sports and enjoy nature.

## THE SOLUTION PLANS

- A. PERFORMANCE NODE
- B. SOCIAL FORECOURT
- C. COMMUNITY HALL
- D. EX. SPORTS CENTRE
- E. MIXED-USE STUDIO
- F. LALELA (NGO) CLASSROOMS
- G.MIXED-USE STUDIO
- H. PUBLIC MINI AMPHITHEATRE





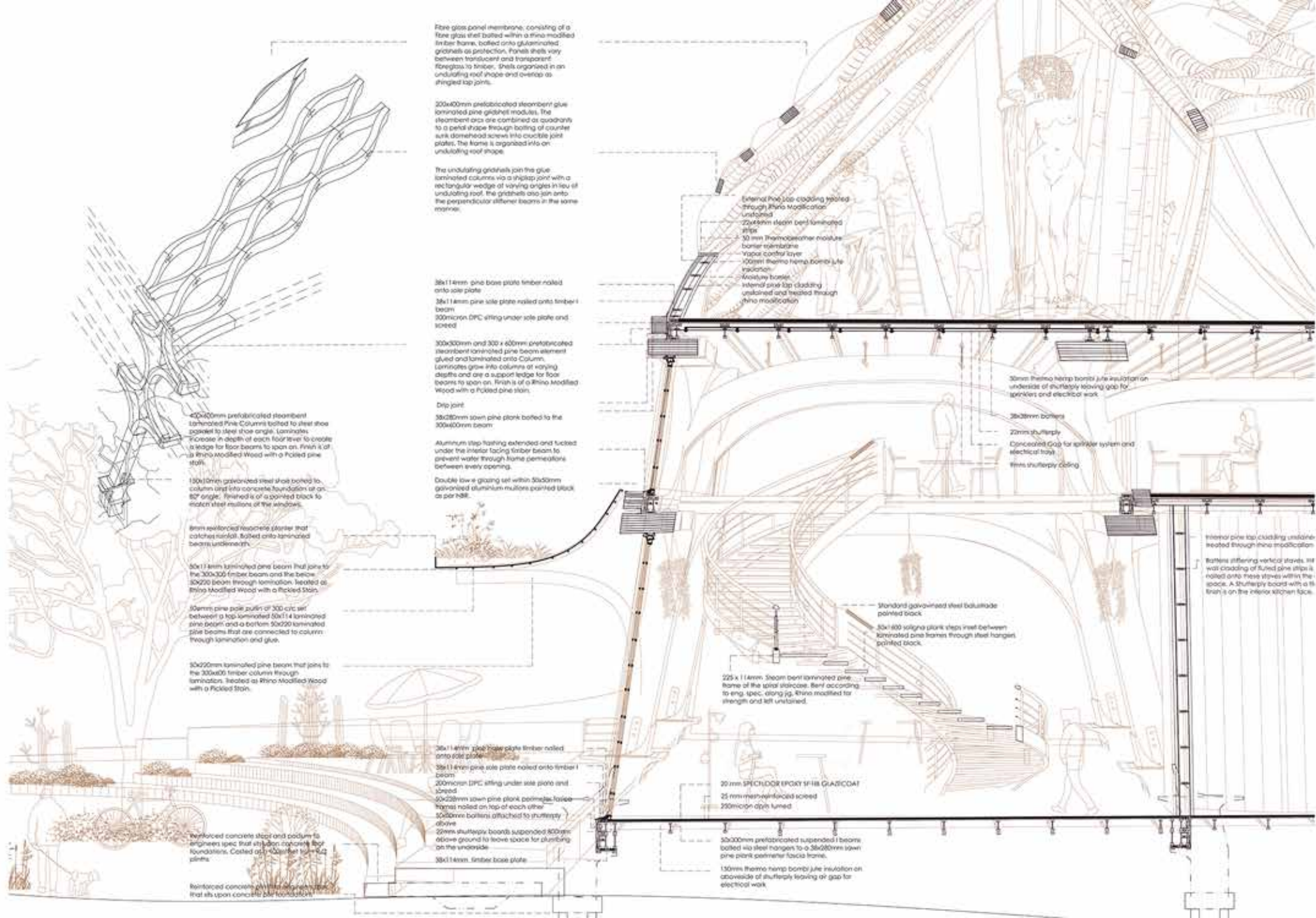
# STRUCTURE

## INSPIRED BY INNOVATION

Architectural decisions were also informed by the choice of using timber and the investigations of the possibilities of timber innovations in our contemporary times. Steam-bent dig and lamination were an intrinsic part of the design exploration and bore carefully crafted buildings and pavilions along the site.

## CULMINATION OF PRECEDENTS PAST, PRESENT AND FUTURE.

The structure took inspiration from the past vernacular buildings and became roof dominated buildings for which people could gather under to share ideas, learn and create art. The contemporary nature of its tectonics were inspired by international case studies such as the Van Dusen Botanic Centre and the Lincoln Park Pavilion.





# STRUCTURAL ASSEMBLIES

## INTERNATIONAL PRECEDENT STUDIES



SOURCE: PEXKINS ARCHITECT

SOURCE: STUDIO OAK

## VAN DUSEN BOTANICAL CENTRE



SOURCE: PEXKINS ARCHITECT

## LINCOLN PARK PAVILION

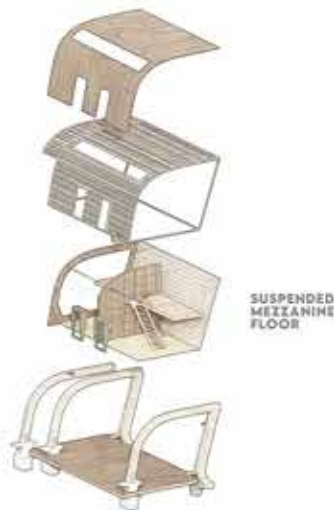
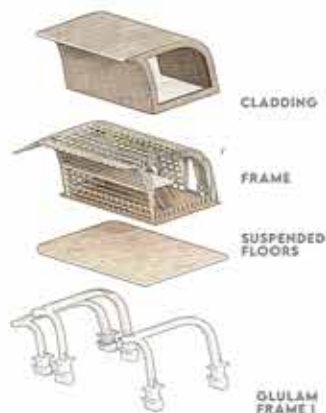


SOURCE: STUDIO OAK

## DETAIL STUDY



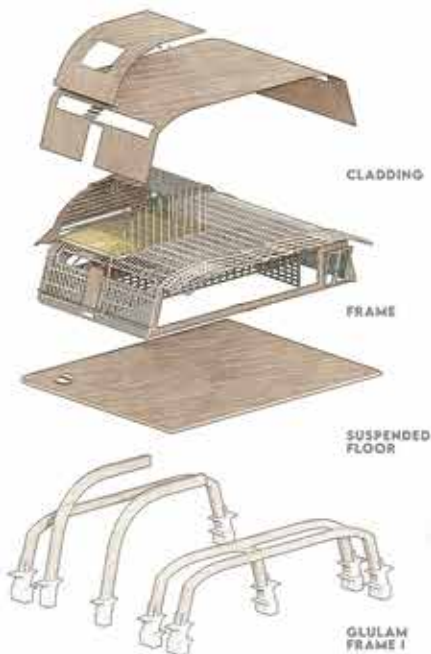
## EXPLODED ASSEMBLIES MIXED USE STUDIO I & II



## FORM COMPLEXITY EXPLORATION THROUGH ANISOTROPIC ADDITION



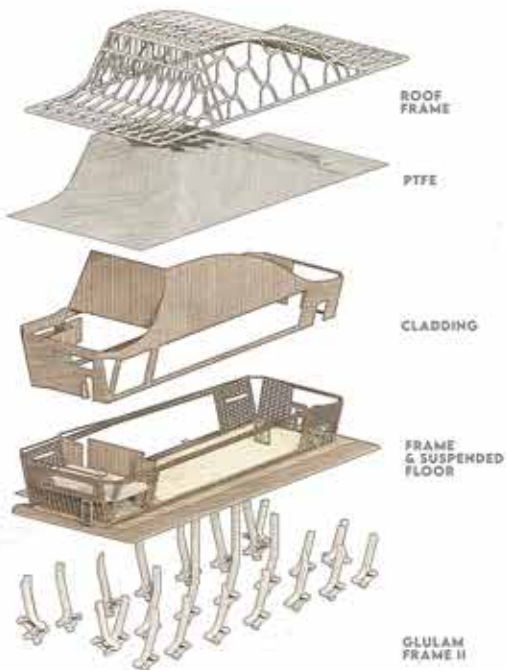
## LALELA FOUNDATION



## GLULAM FRAME TYPOLOGY I



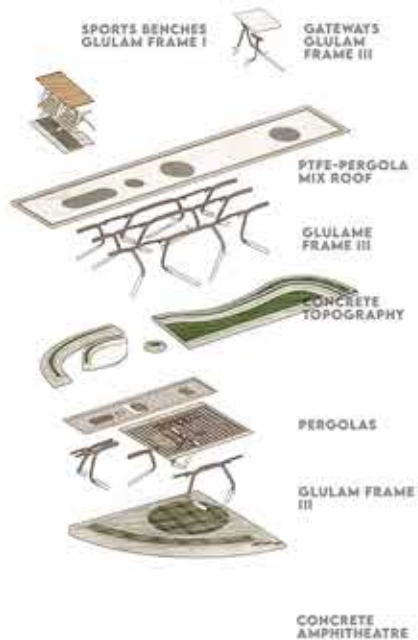
## COMMUNITY HALL



## GLULAM FRAME TYPOLOGY



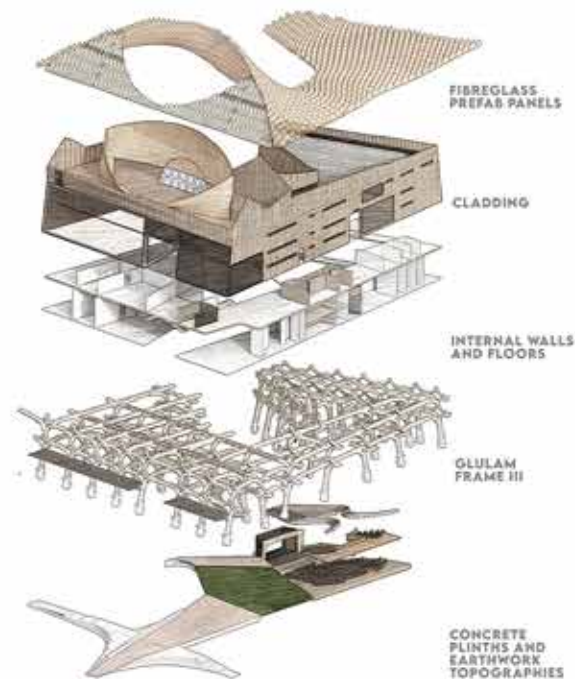
## STANDS, GATEWAYS, SHADING



## GLULAM FRAME TYPOLOGY III



## PERFORMANCE NODE



# CROSS SECTIONS

CROSS SECTION D-D  
**MIXED USE STUDIO II**



CROSS SECTION E-E  
**LALELA FOUNDATION**



CROSS SECTION G-G  
**SOCIAL FORECOURT**



CROSS SECTION F-F  
**COMMUNITY HALL**





AERIAL SHOT



KRONENDAL

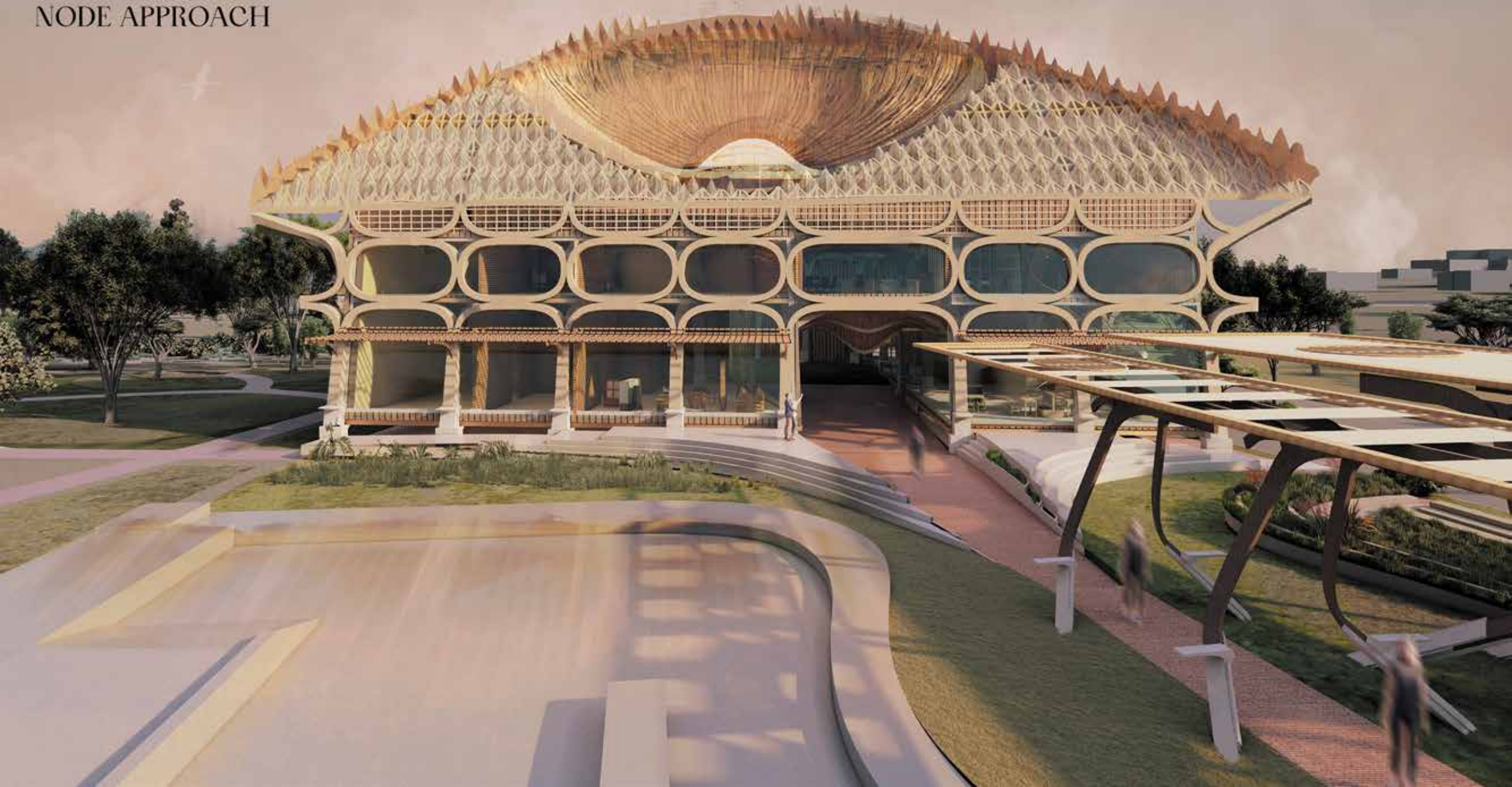
MAIN ROAD

VICTORIA ROAD

IMIZAMO YETHU



PERFORMANCE  
NODE APPROACH

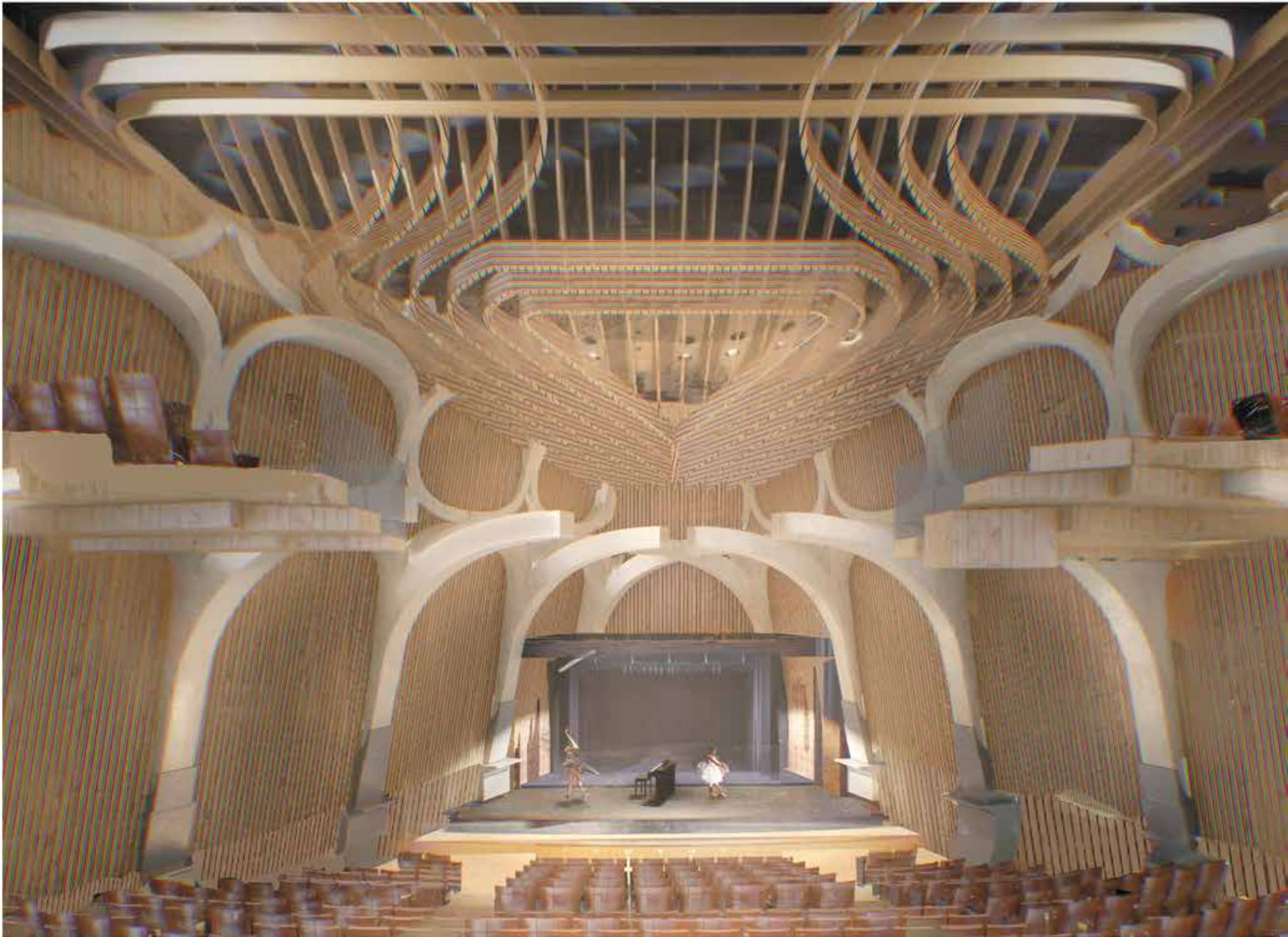




ROOF  
EXHIBITION  
ROOM









# COMMUNITY HALL





