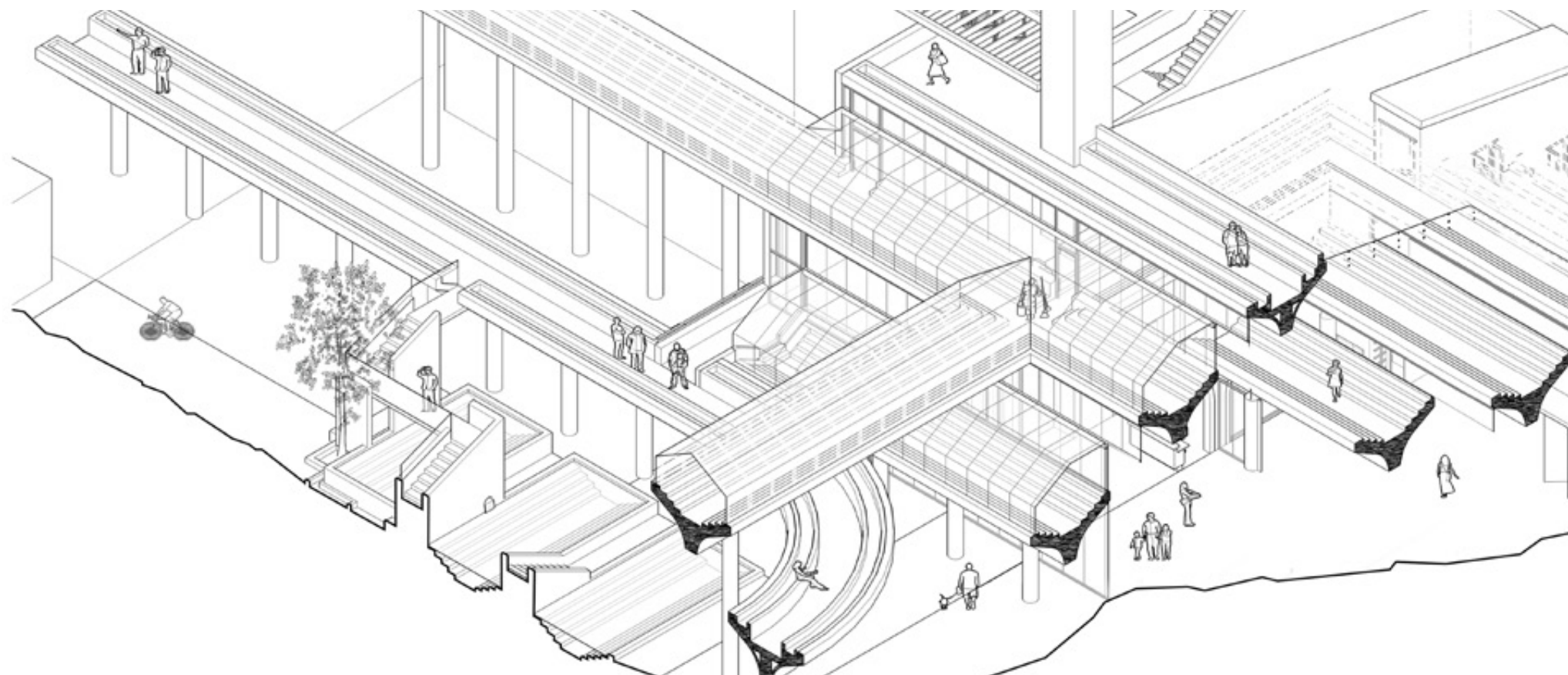


Architecture Portfolio

2013 - 2019

Hannah Cook (MArch)

e: hannahza94@gmail.com | c: 0726031846



CONTENTS

2013-2017 Projects - from BAS and Work Experience

A. Elands Bay	1
B. Eco House	2
C. Chrysalis Academy	3
D. Envisioned City	4
E. Hydroponic Amenity Centre	6
F. Hydroponic Amenity Centre - Amended	9
G. Work Experience	14

2018+2019 Projects - from BAS(Hons) and MArch

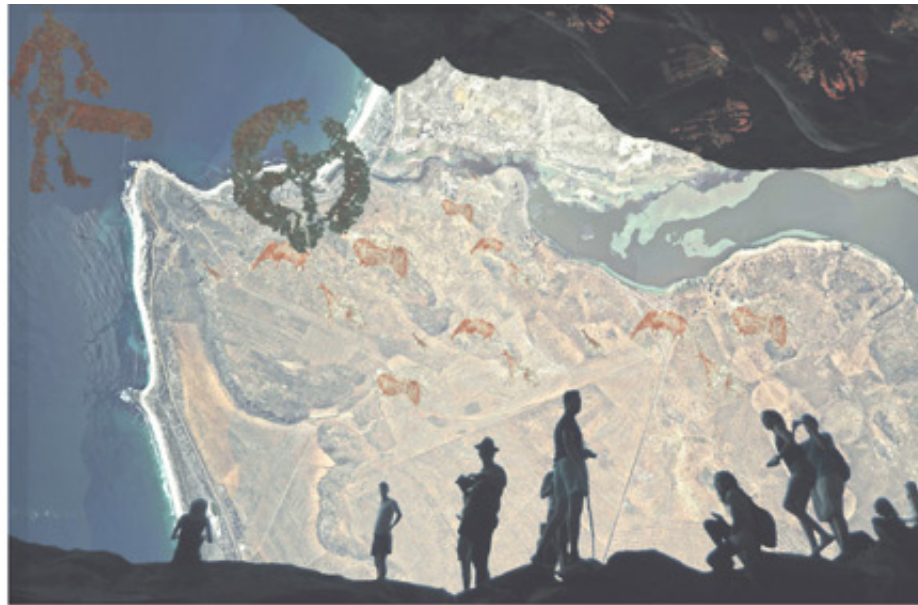
H. Dynamics Counselling Centre	16
I. The Castle (Individual)	18
J. The Castle (Group)	23
K. MArch Design Dissertation	28

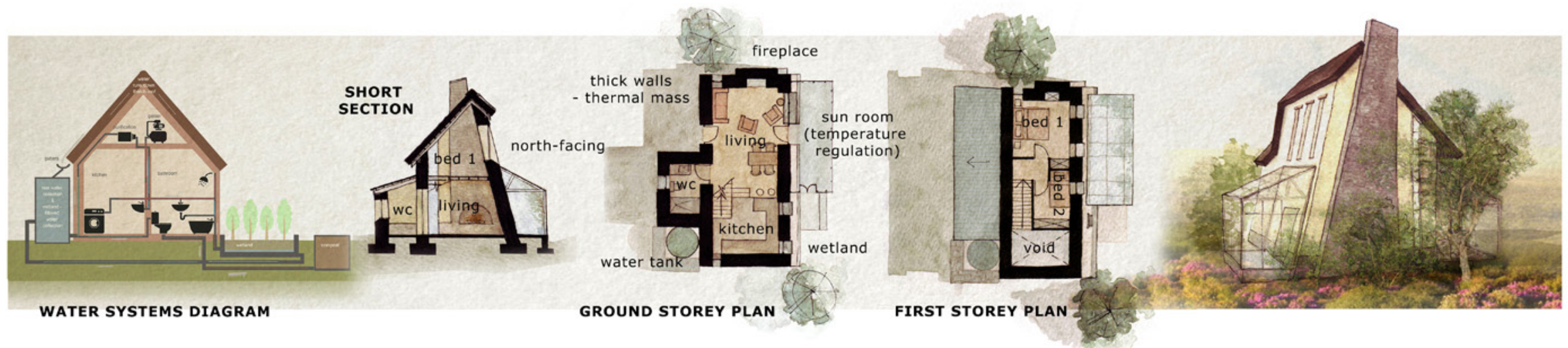
■ ELANDS BAY

- 2014

This project re-imagines an abandoned fish-factory port, embracing the history of Elands Bay with a new museum and restaurant.

It explores variation in light versus heavy structure to evoke excitement and comfort respectively. It optimizes views and circulation, using the walkway to tie the project together, as a threshold, an invitation, a bridge, and a viewing platform.





■ ECO HOUSE

- 2015
- Location: Tiffindell, Drakensberg

This home is situated in an extremely cold climate, in the Southern Drakensberg. It is intended to be a tiny, off-the-grid home.

It uses strawbale walls for maximum insulation, a small sun room to trap the heat of the sun and narrow, vertical windows to maximize light and minimize heat-loss. The house uses natural materials in a contemporary way and encourages compact living.

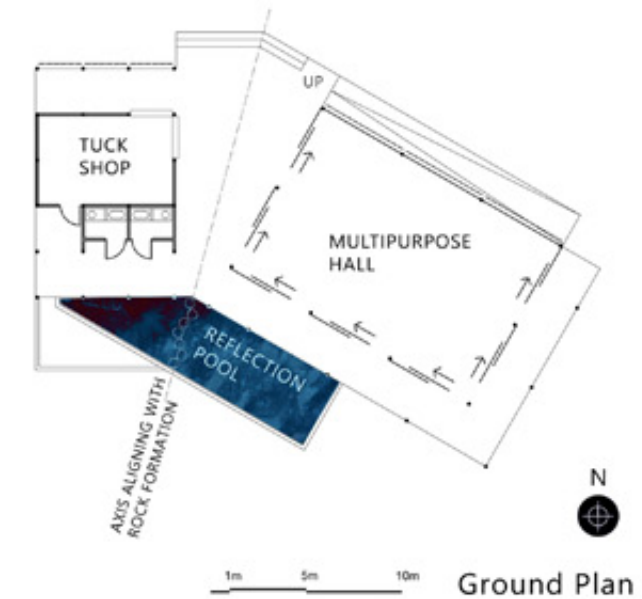
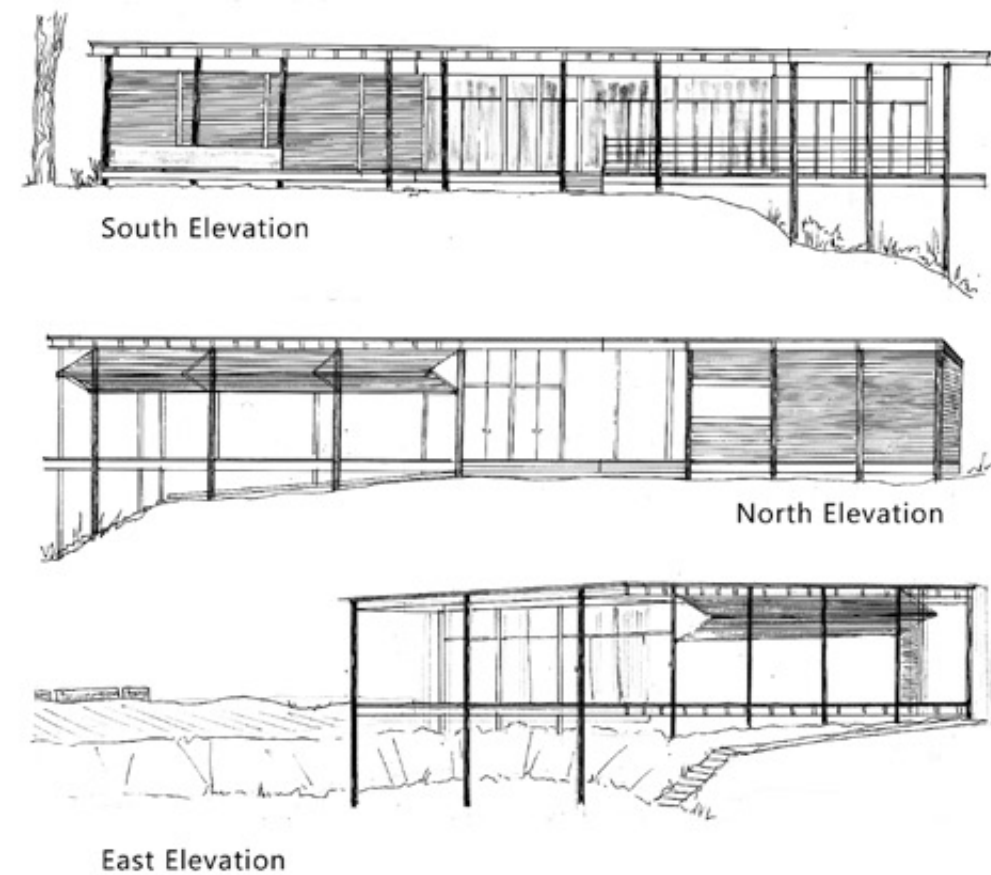
■ CHRYSALIS

- 2015
- Location: Tokai, Cape Town

Chrysalis is a rehabilitation centre that equips people with the necessary skills, qualifications and attitudes to move forward in life after troubled backgrounds.

Coincidentally we were given this project after the mountain fires had burnt down part of the forest above Chrysalis ground. Hence, the site we were given was mostly in ashes.

We found, therein, the symbolism of turning "ashes into beauty" which applies both to the way the architecture brings new life to its landscape, and the way in which it contributes to the development of the people using the space.



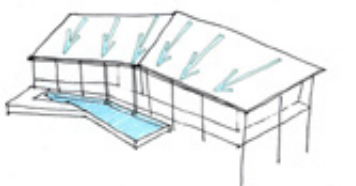
floating floor
- nature untouched



adaptable facades



rain water
- directed to reflection pool



vertical lines
- order & peace
- abstraction of forest



airflow beneath floors
- moderating temperature



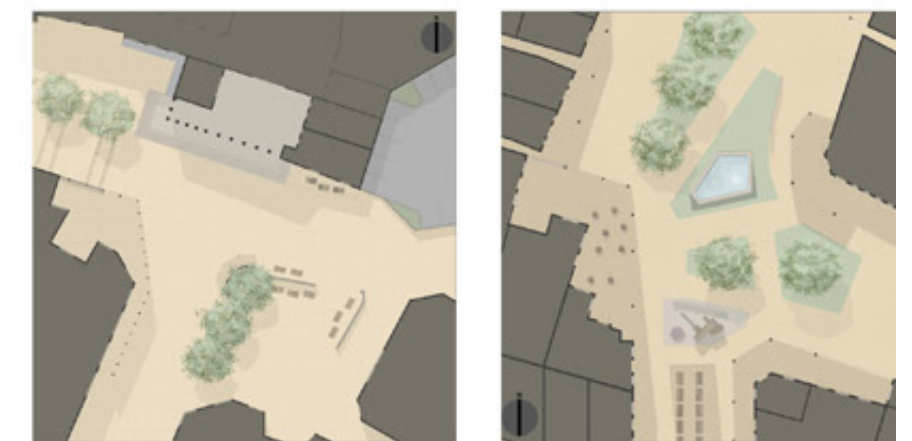
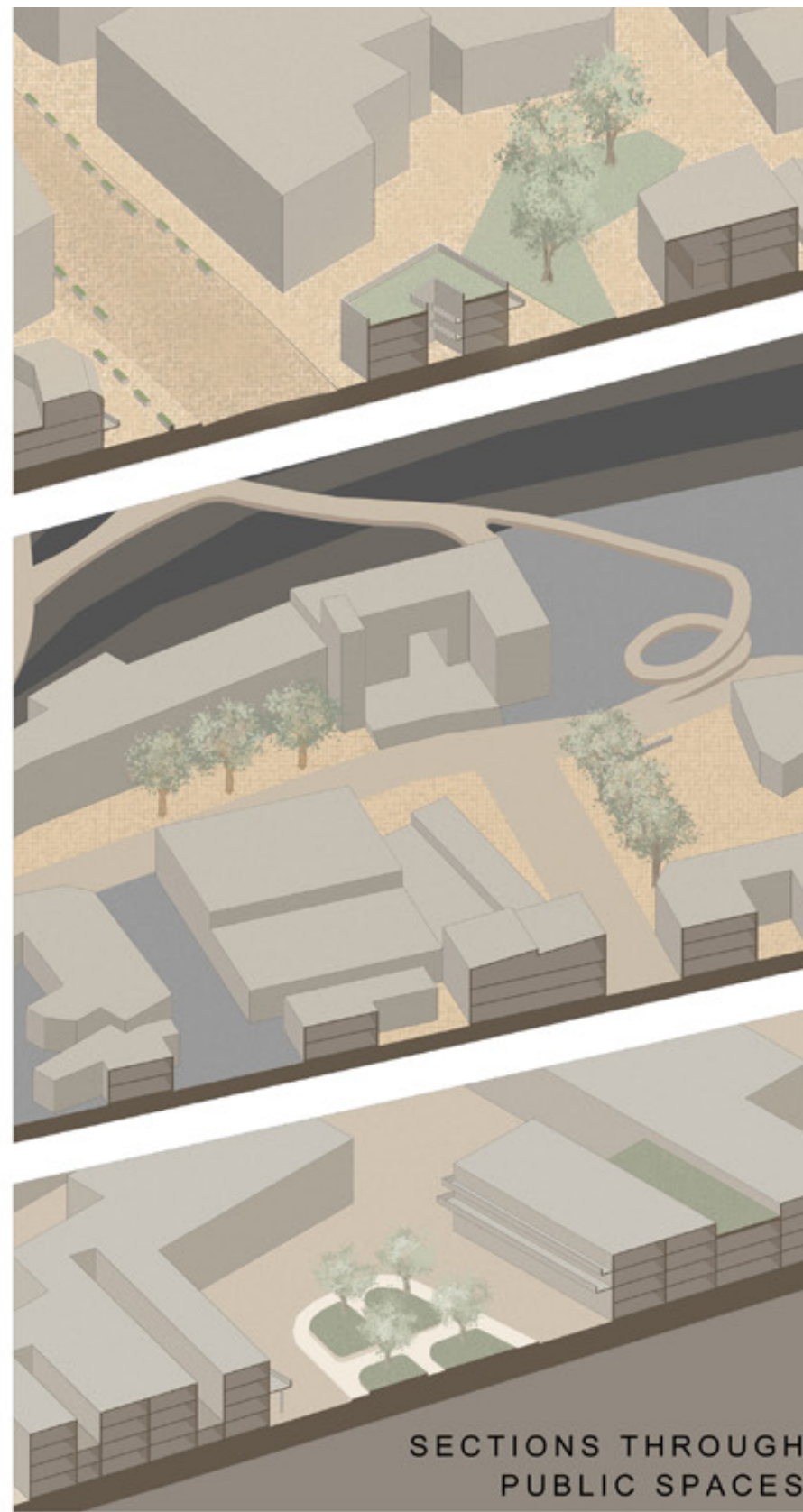
■ ENVISIONED CITY

- 2015
- Location: Salt River, Cape Town

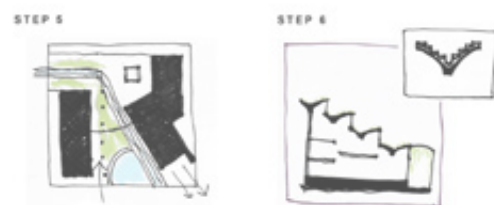
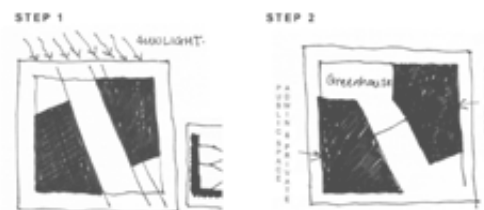


The diagram below shows opportunities for nodes such as public squares and parks, along with the possible desirable/ busy routes to connect the nodes. Desirable routes could be made with special paving, trees & vegetation, small shops along the route, etc. These routes would also be more pedestrian-orientated by adding raised junctions with zebra crossings.





The Envisaged City explores the ideas of linked nodes of public activity and the decentralisation of built up city spaces. The mapping exercises highlight important public routes along Lower Main and Voortrekker roads and the link between the train station and the school. The Salt River circle is re-imagined as a more pedestrian-friendly intersection.



■ HYDROPONIC AMENITY CENTRE

- 2015
- Location: Salt River, Cape Town

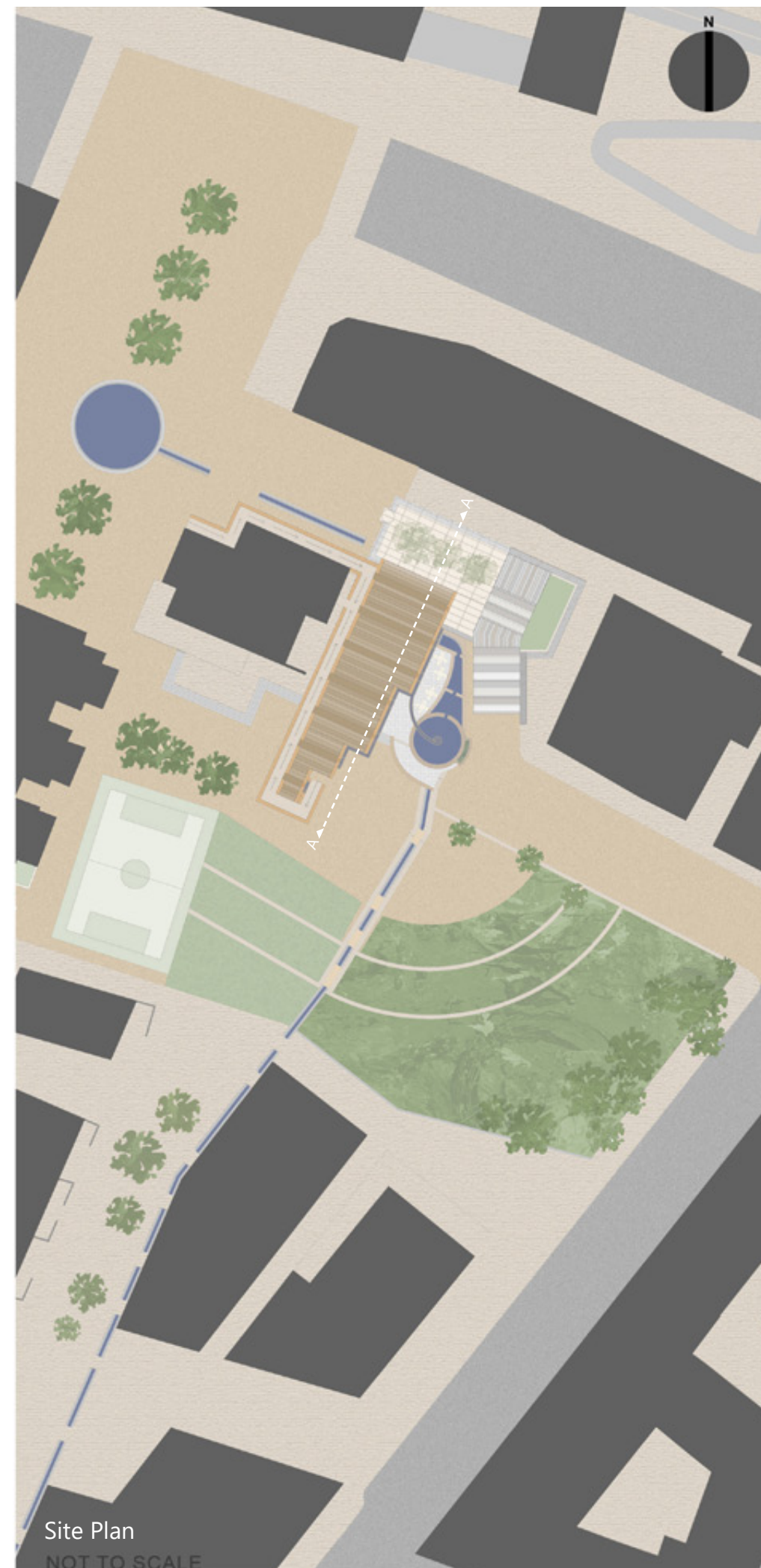
Continuing the investigations in the Envisioned City (pg 4 +5), this project deals with the site in a way that reflects the envisioned city as well as the immediate context. It seeks to make the block more permeable for pedestrians and aims to have a positive environmental impact on the surrounding area, especially regarding water management and by transforming the adjacent park into a natural wetland.

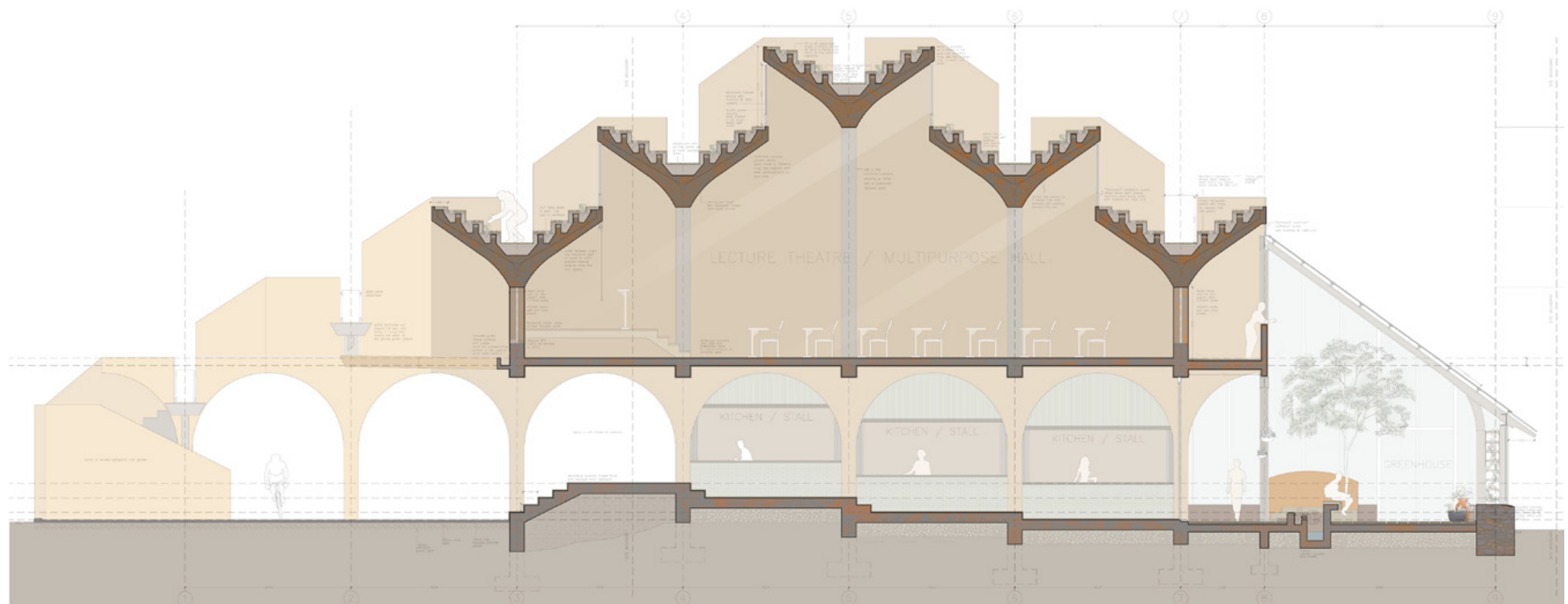
The roof system is the highlight of the project. It consists of stepped hydroponic modules which house plants and allow water to be pumped through them. These modules also form the roof of the building, and can be walked on for maintenance of the hydroponics.

The project is about accessibility, a permeable city as well as celebrating water and educating the public about water management.



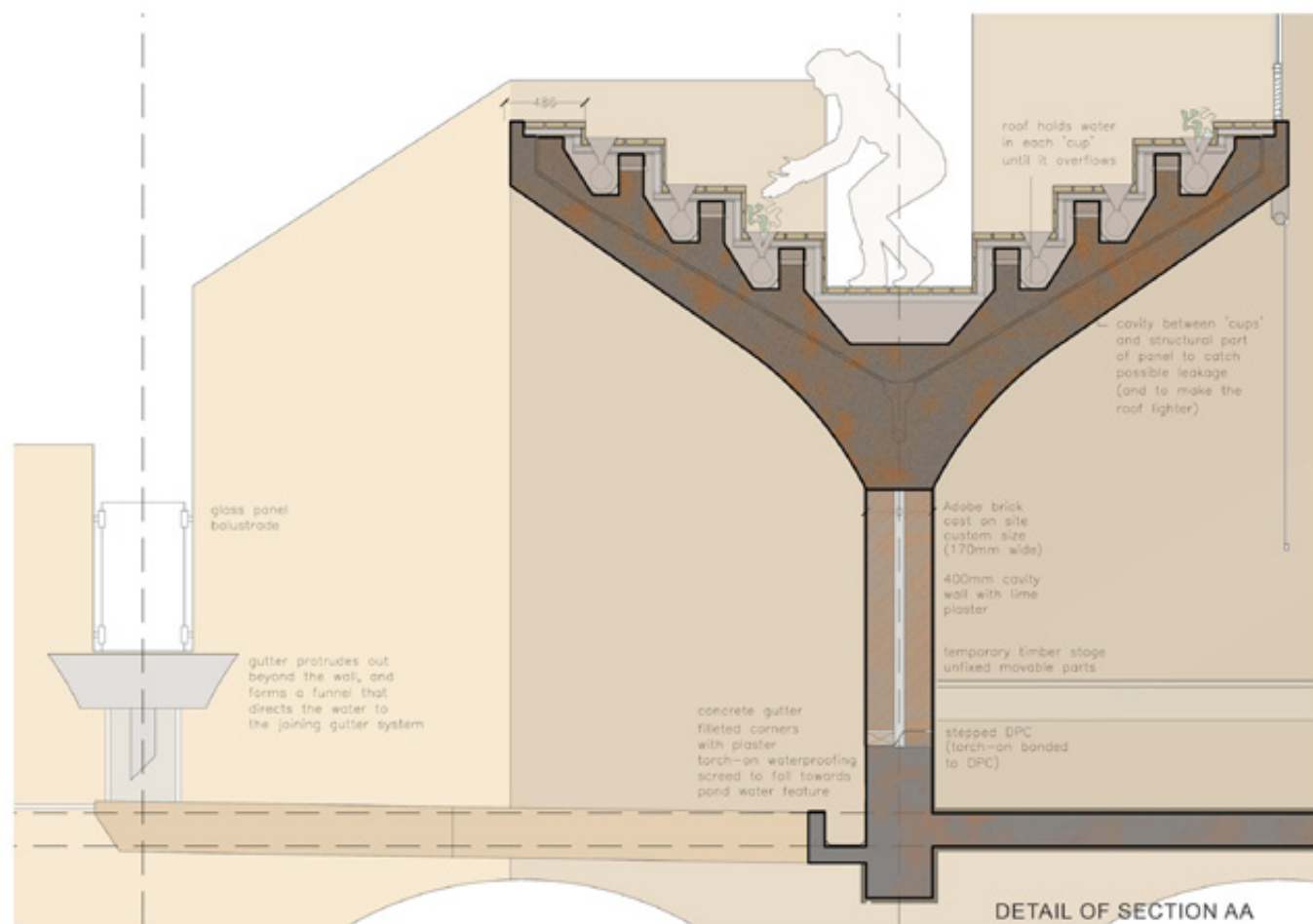
Perspective from park





NOTE: DRAWING SCALED TO FIT ON A3 FORMAT IE. NOT TO SCALE

SECTION AA



Perspective inside hall

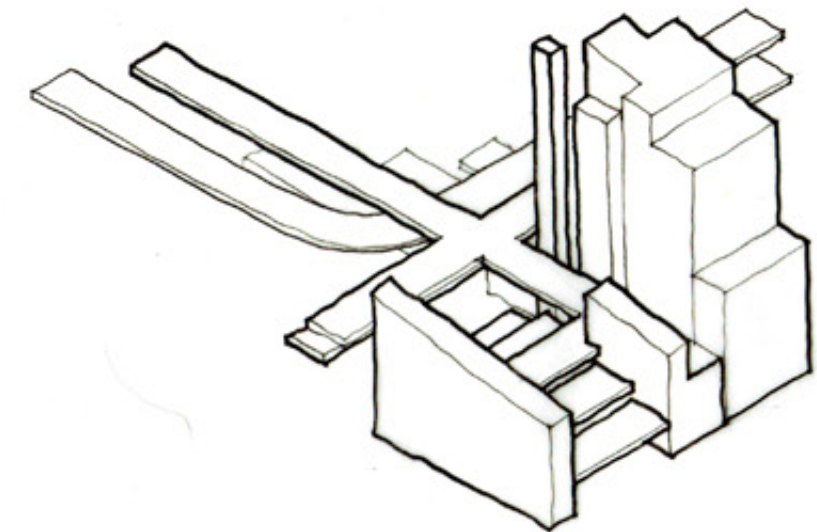
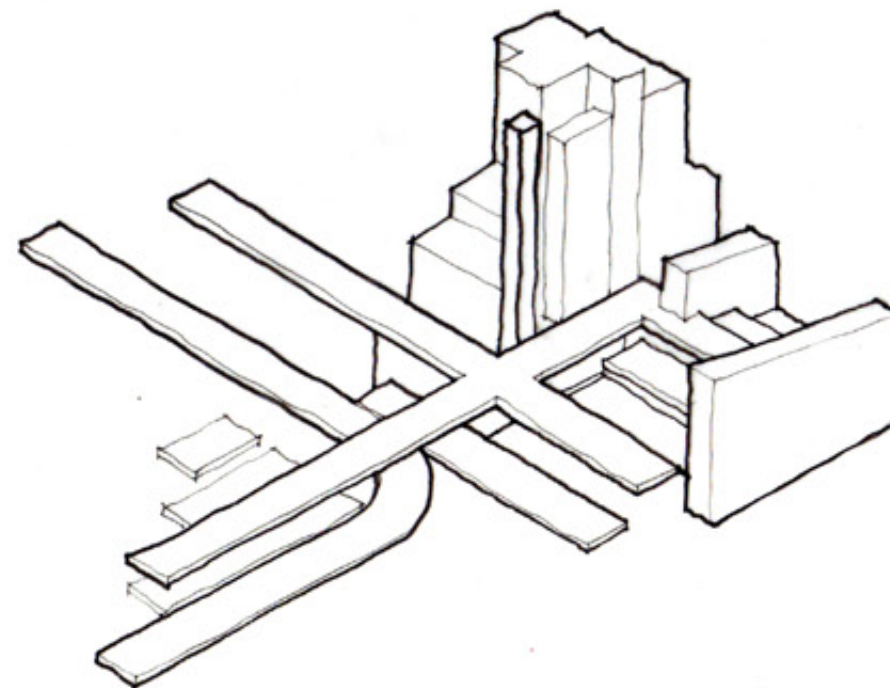


Concept model

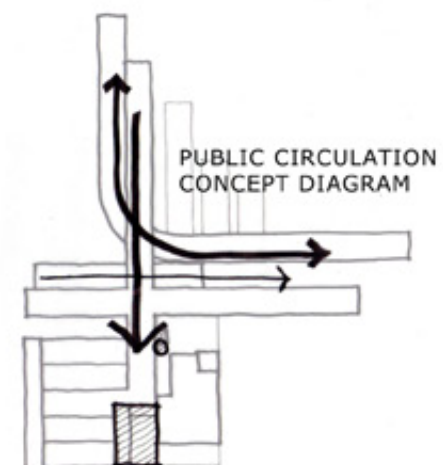
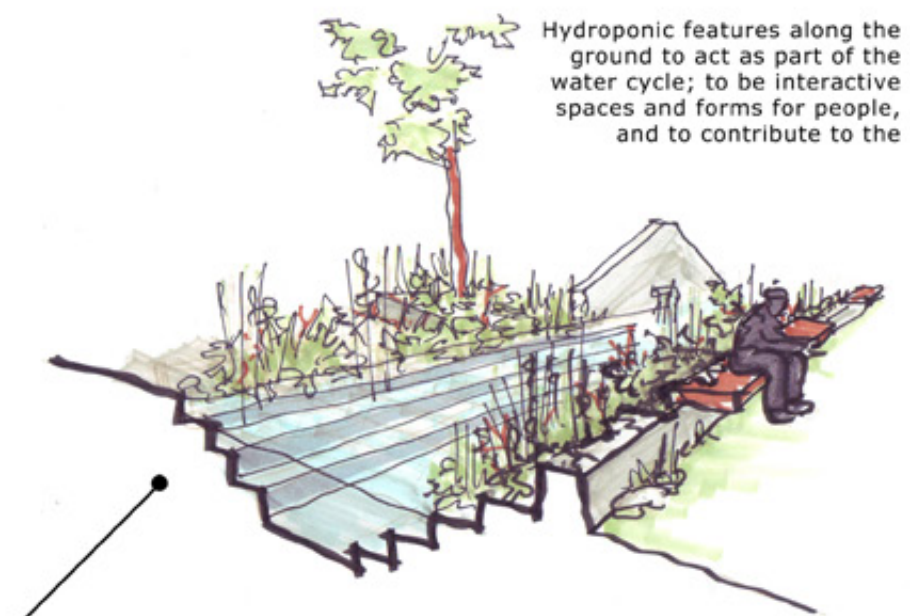
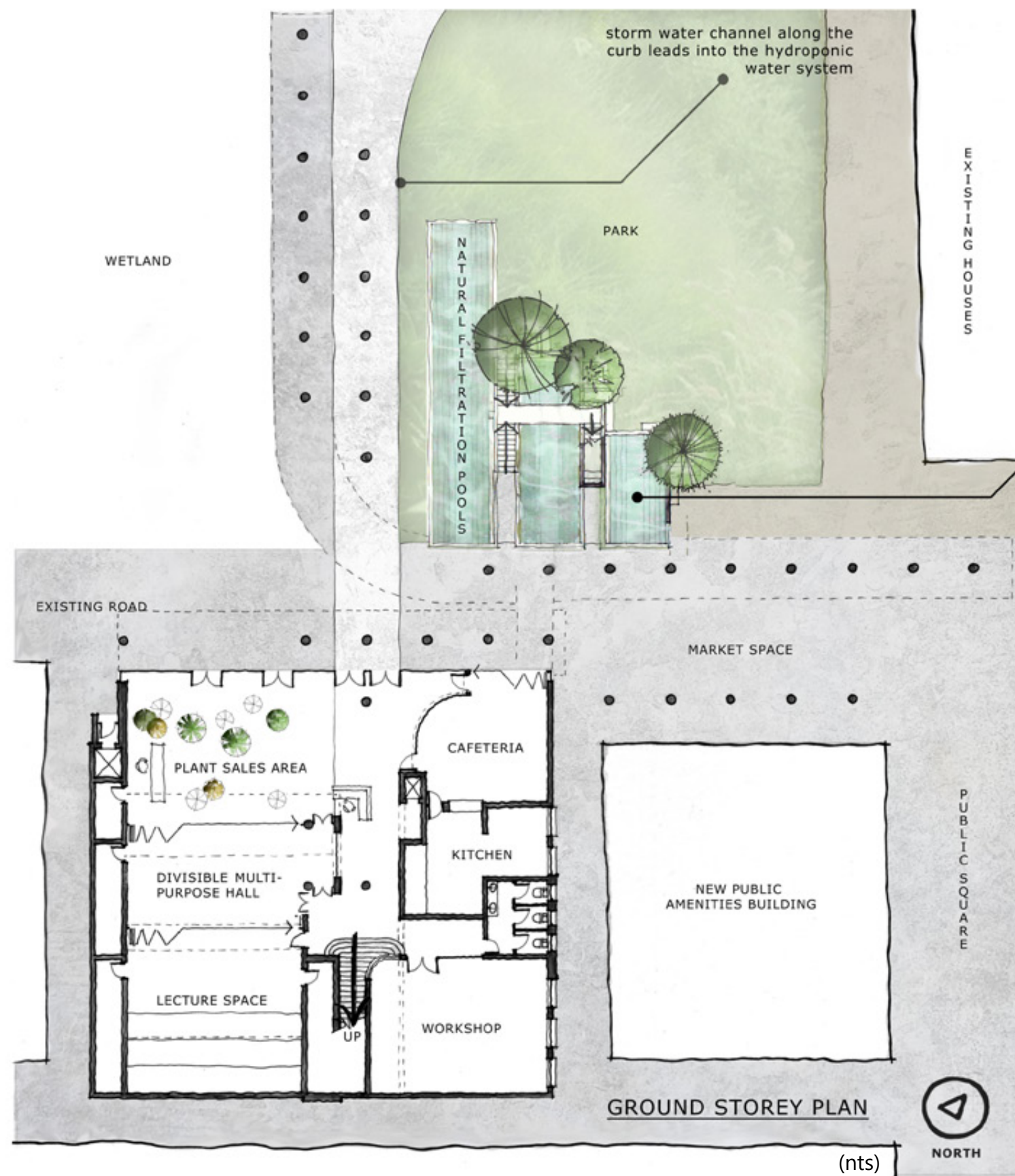
■ HYDROPONIC AMENITY CENTRE - AMENDED

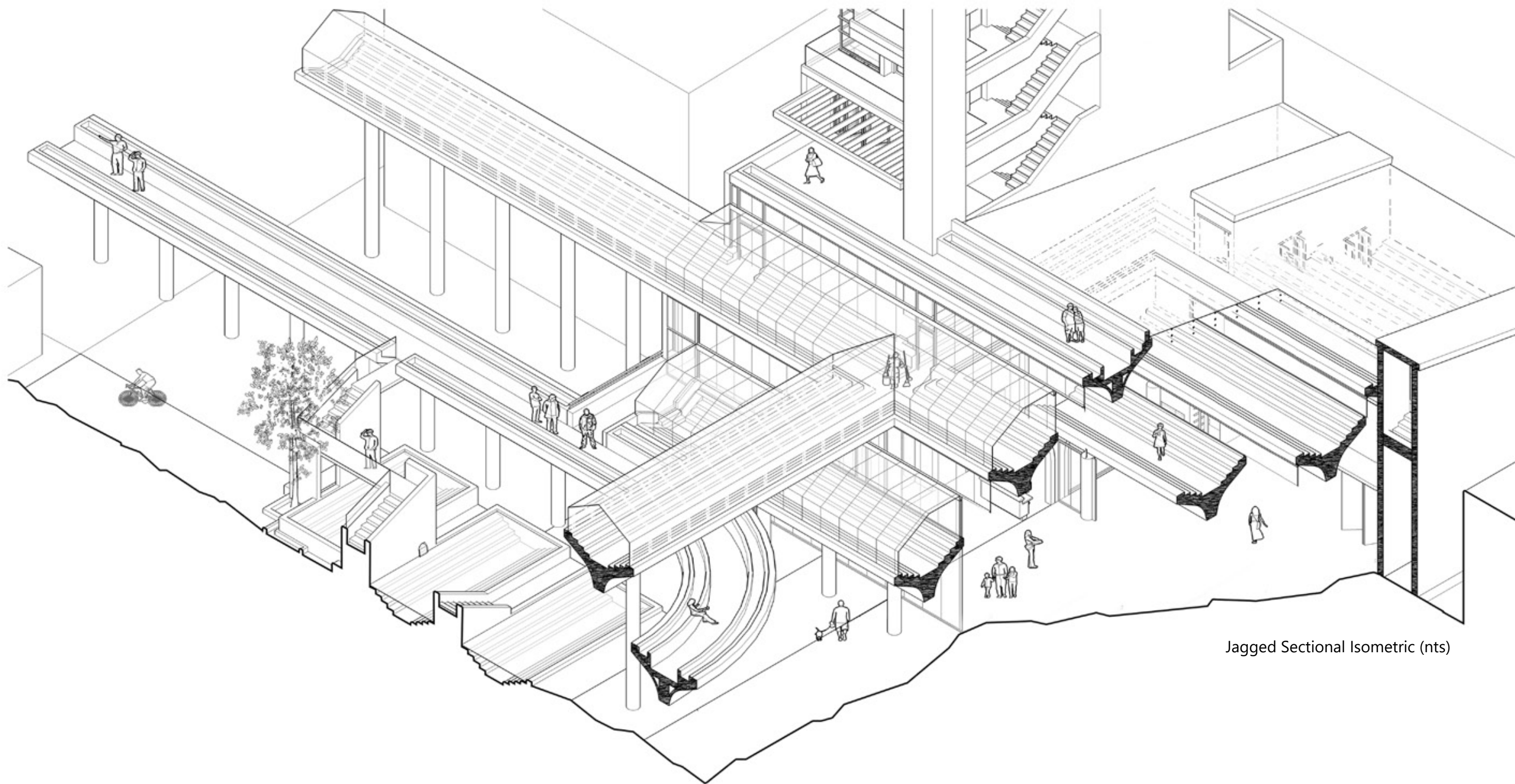
- 2017 amended
- Location: Salt River, Cape Town

The amended design improves the circulation and the distribution of programme to make the whole building more integrated and accessible. The relationship with the public realm is improved through the use of interactive ground-level hydroponic systems. The new design celebrates these systems as part of the programme as well as a sculptural feature.

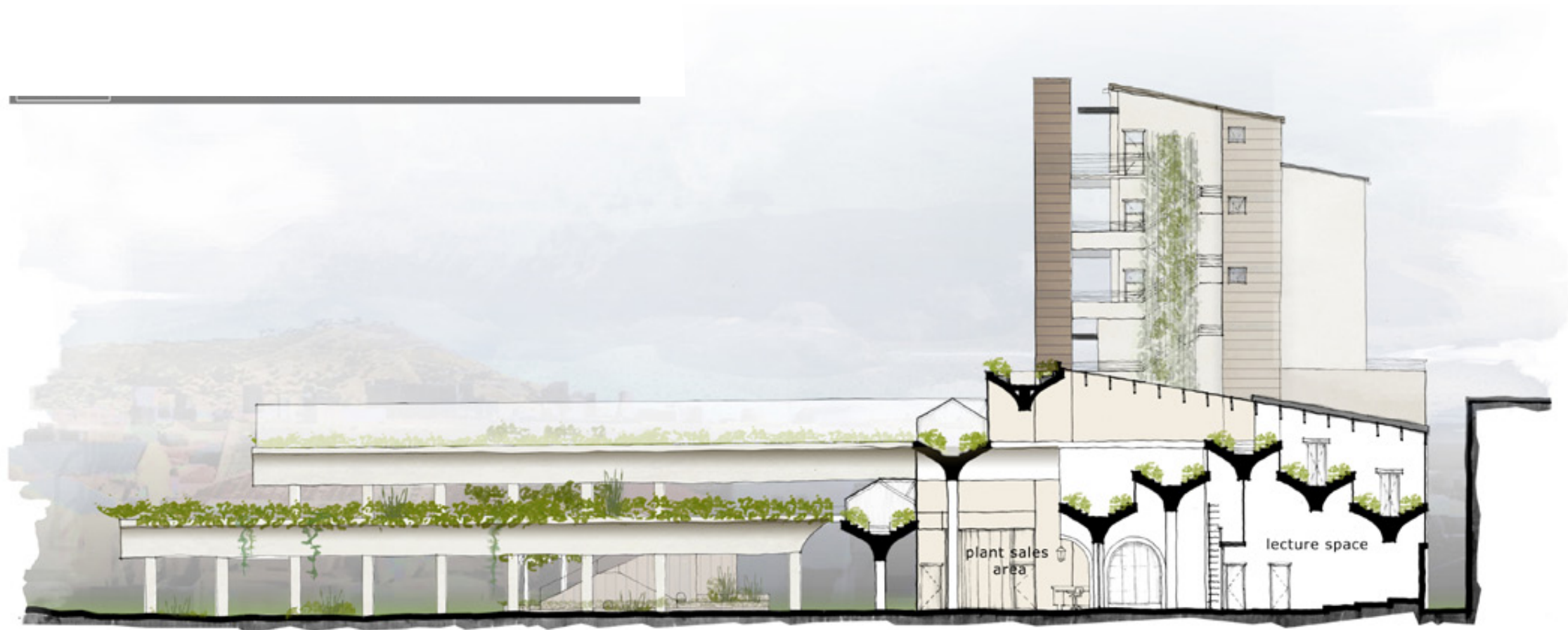


3D of new design





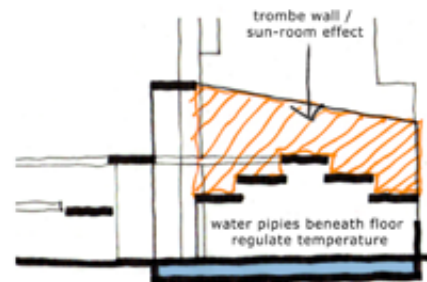
Jagged Sectional Isometric (nts)



Longitudinal Section (nts)



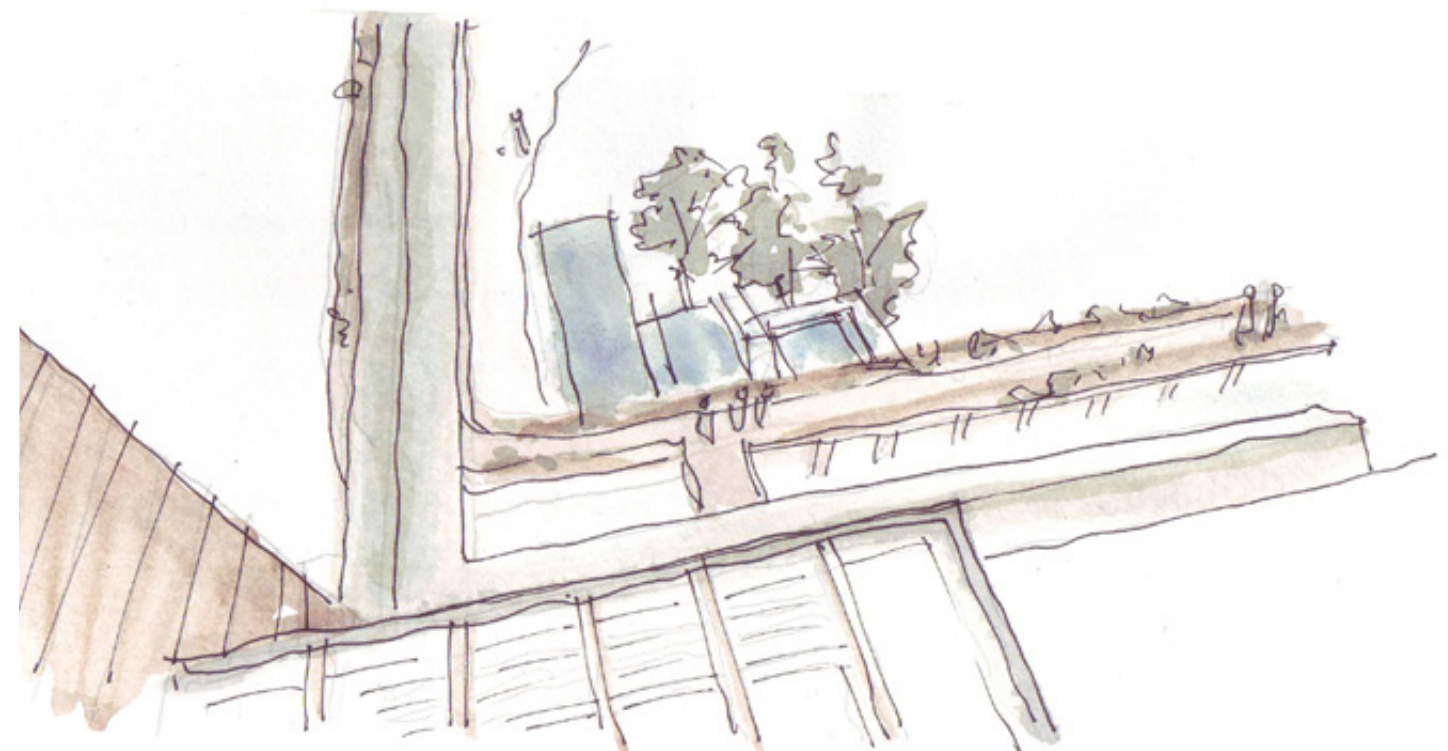
ventilation



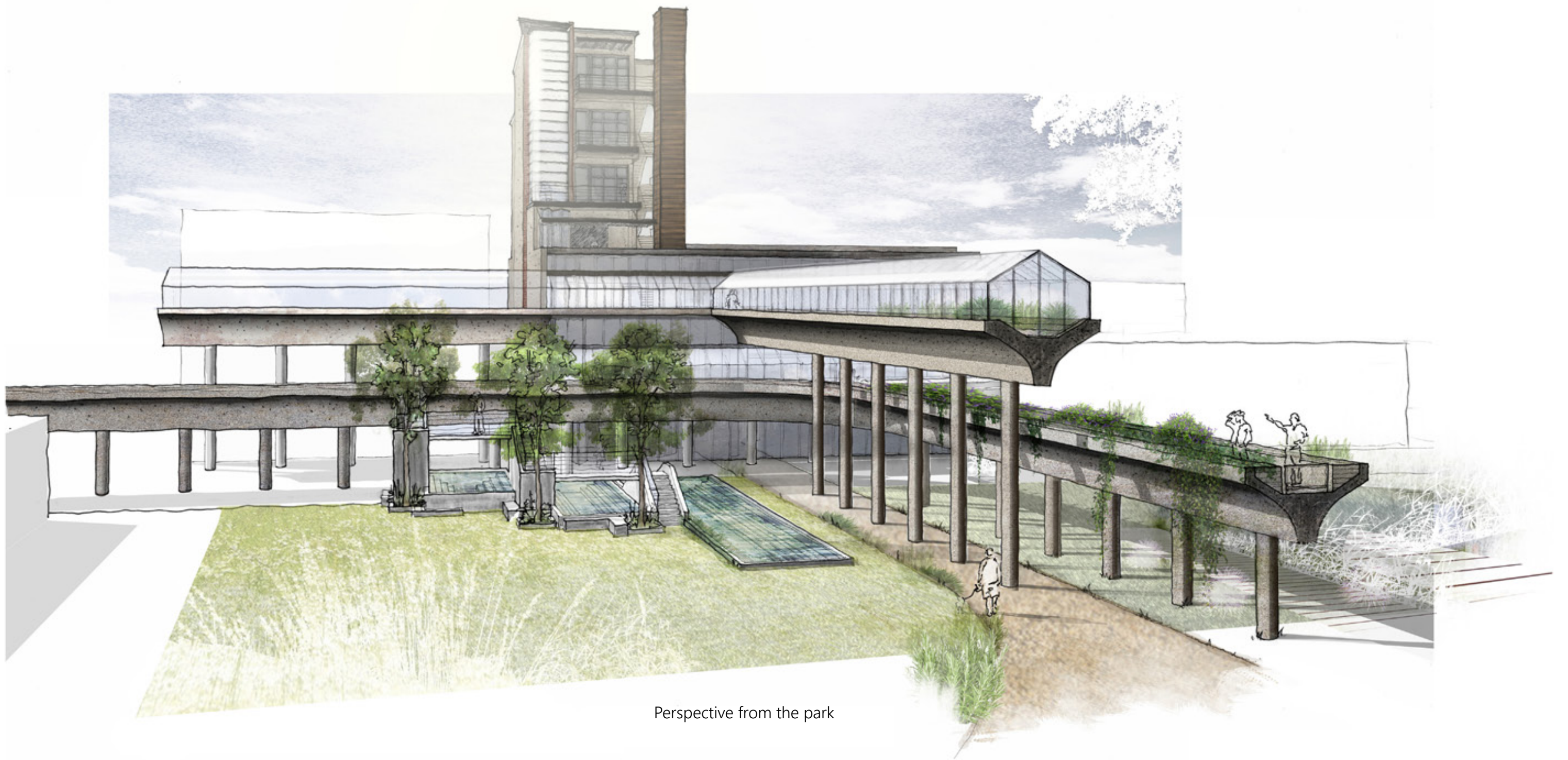
temperature



light



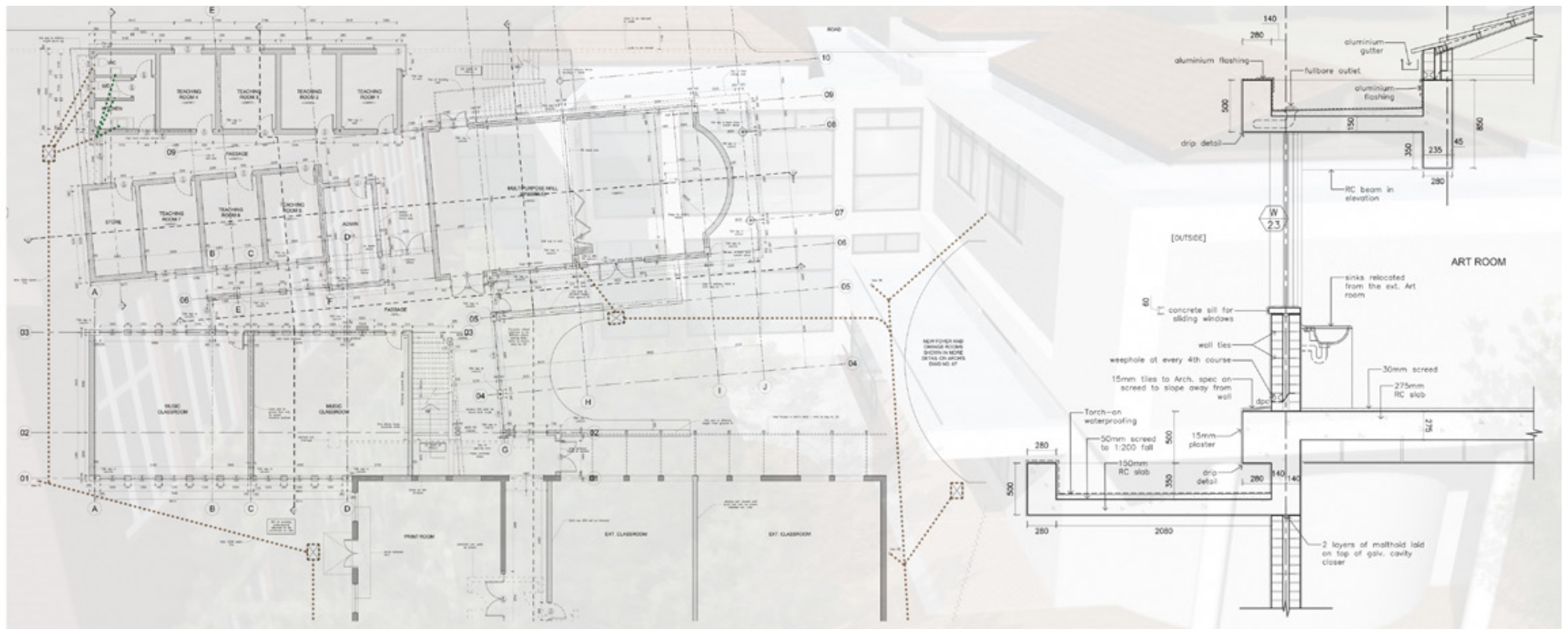
Perspective from balcony towards park



Perspective from the park

■ BERGVLIET HIGH SCHOOL - NEW ARTS CENTRE

(the highlight of my work experience at Burmeister Architects 2016+2017)



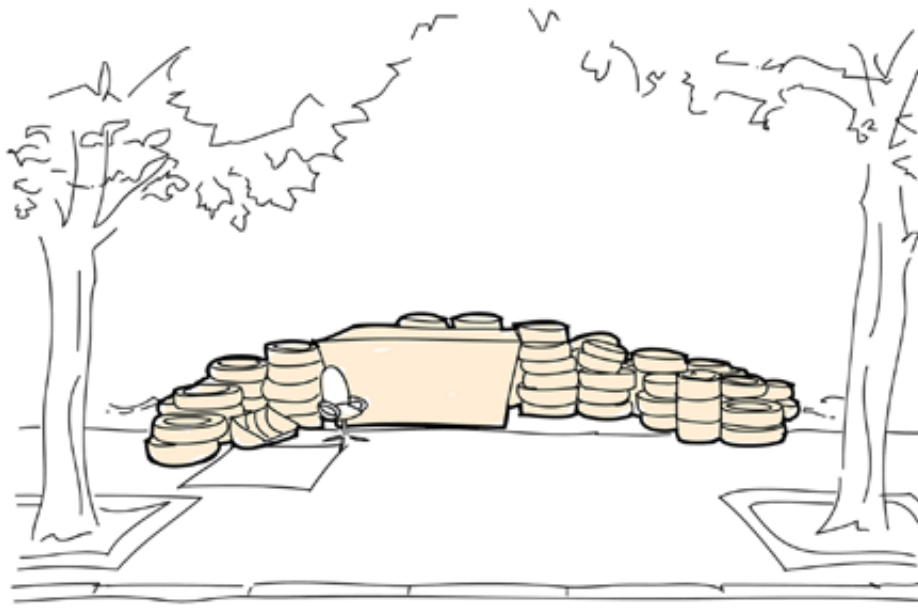
Working at Burmeister Architects gave me experience at various stages of conception, design, application and construction.

I was privileged to be part of meetings with clients and with professionals, and to be involved in all of the digital drawing and documentation and to build a model for the project shown here.

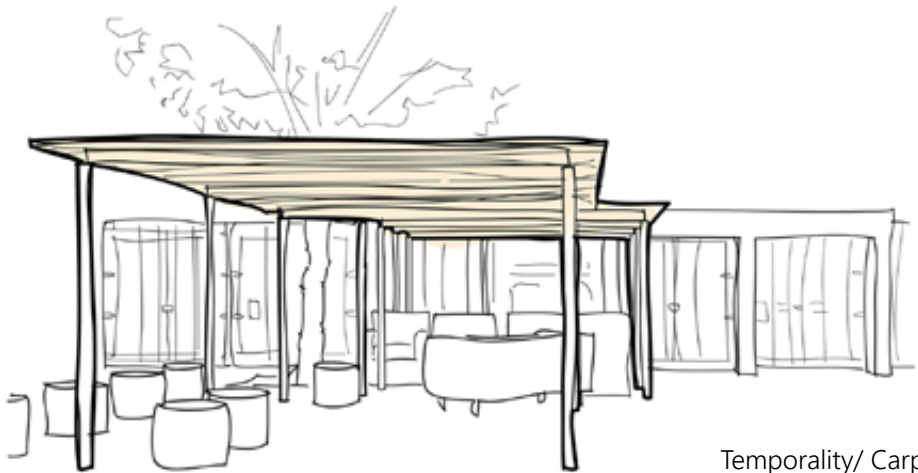


Digital and physical models of the additions to Bergvliet High

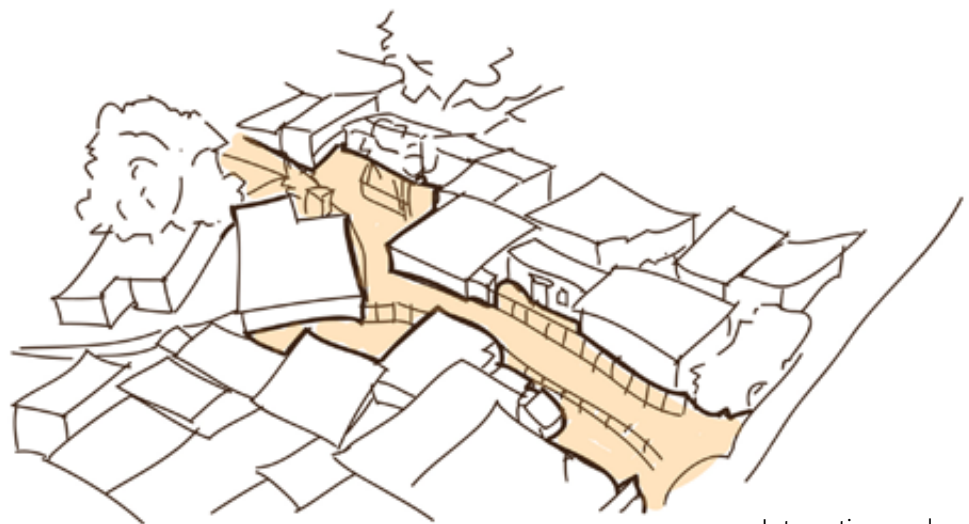
Fieldwork Influences (informal ways of making enclosure and defining space)



Challenging the norms of walls and boundaries



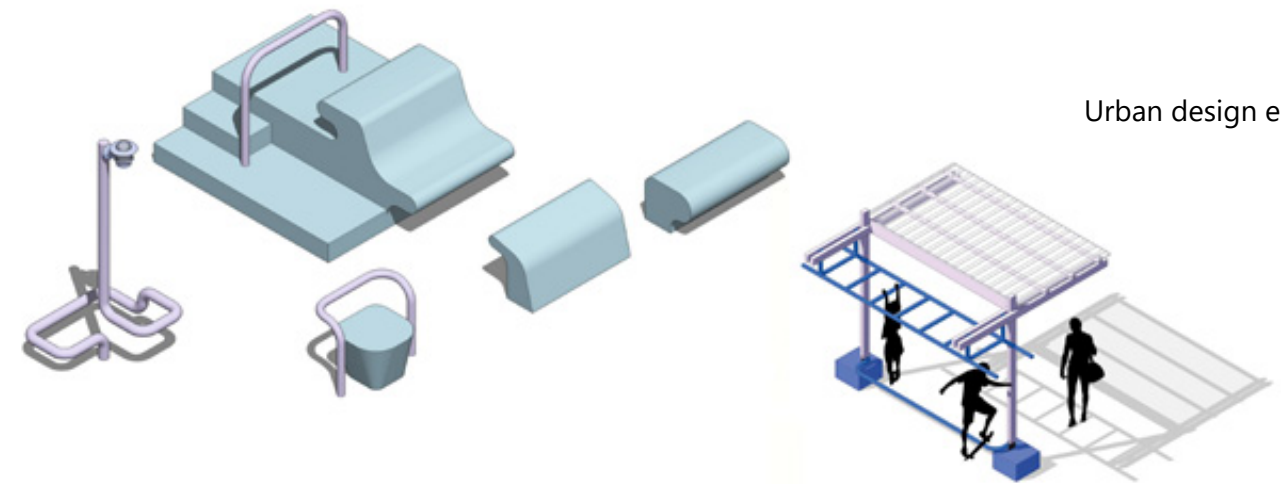
Temporality/ Carport technologies



Interesting and varied spaces of public gathering



Conceptual collage



Urban design elements

■ DYNAMICS

- 2018
- Location: Gugulethu, Cape Town

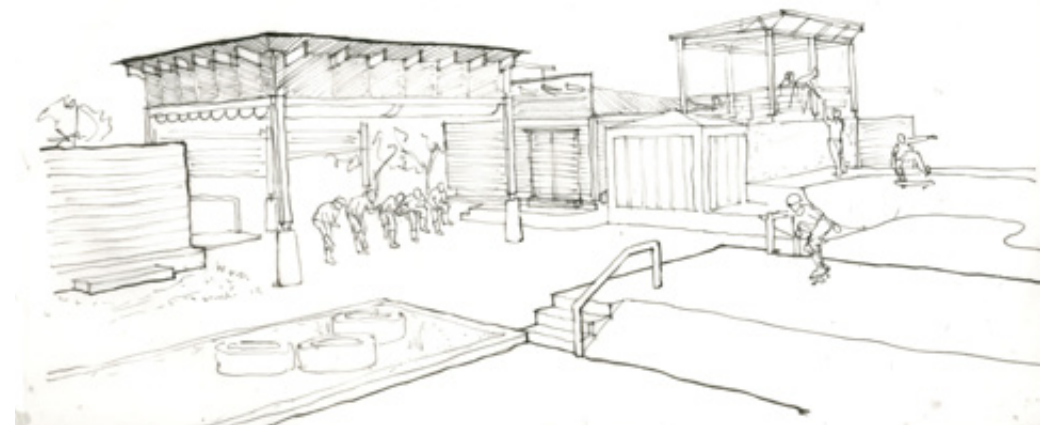
This project is a public park with a counselling centre for recovering drug addicts. The primary focus of the project is the activation of the public spaces through presenting opportunities for relaxation and play - and specifically, skating.

The existing site is used as a thoroughfare between two streets as well as across the railway line. Adding the counselling facility and some public amenities to the site would activate the space and thus make it a safer and more desirable space to walk through.

The project aims to create a sense of enclosure without obstructing visibility or ease of access through the site.

The skating and cycling space spills out onto the railway reserve as a way of utilizing a currently dead space. This introduces the idea of permanent and temporary landscape and architecture.

There are minimal permanent forms in the project, and it is designed so that if the temporary parts were taken away, the permanent forms could still be interpreted and utilized.

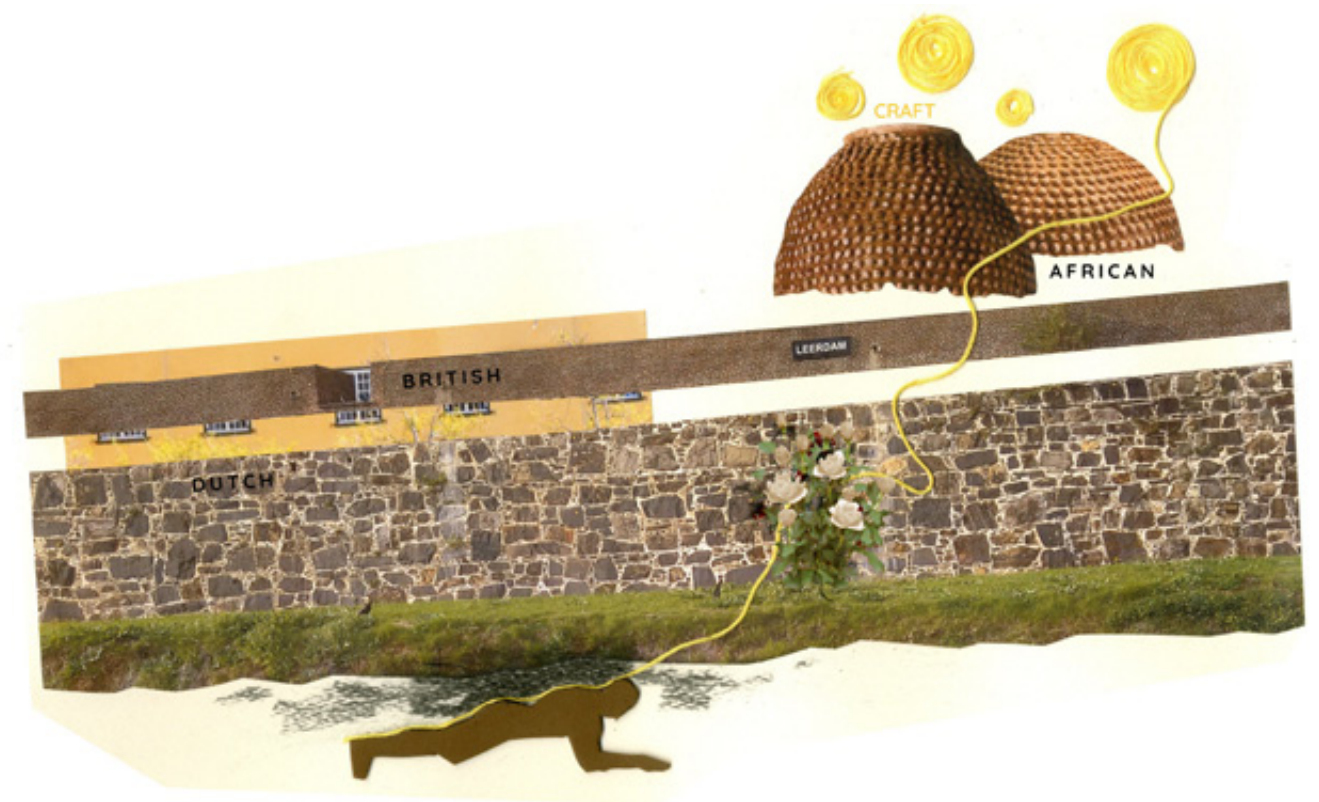




There is not a natural public transition between the surrounding city activities and the Castle [the Castle was not intended to be an accessible public building]

This can be seen as an opportunity to override the fortified nature of the castle as a public invitation, or it could be an opportunity to embrace the separateness that could be a sanctuary amongst busy city life.

The Castle has potential to be a place of reflection and healing in contrast to the conflicted histories it holds.

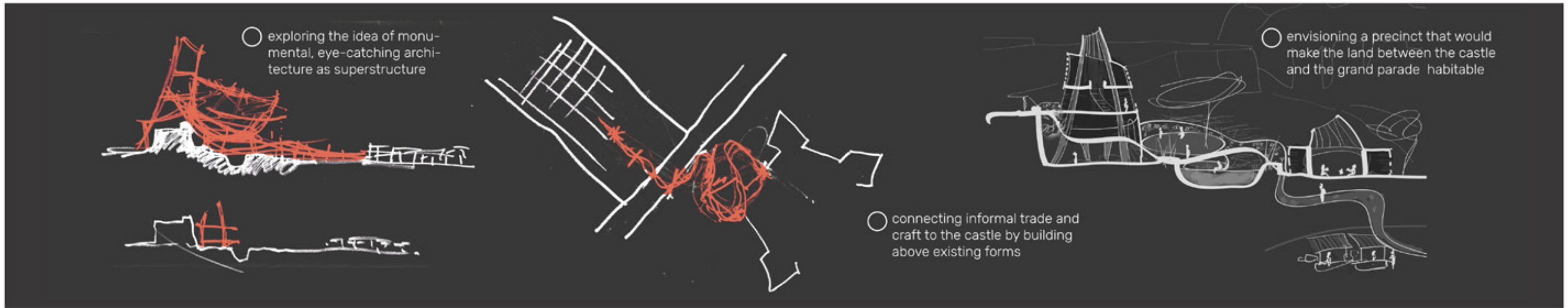


■ THE CASTLE (individual)

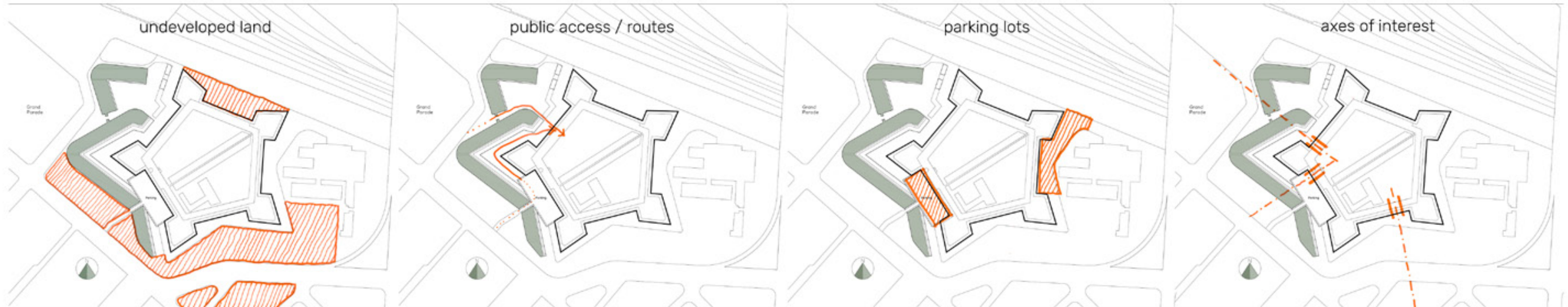
- Honours, second semester, 2018
- Location: The Castle of Good Hope, Cape Town

The layers of history are visibly evident in the walls of the Castle - with the exclusion of the African narrative.

The Castle has been altered over time, each phase highlighting a part of its identity. There is an opportunity here to build upon those layers and speak to a new identity, where the historical "other" is acknowledged and celebrated.



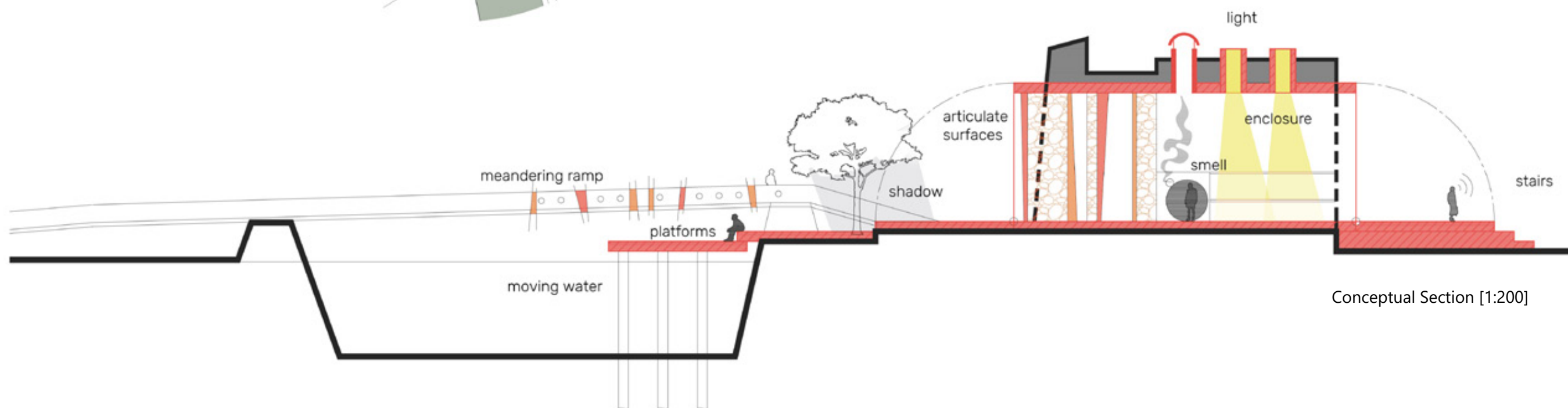
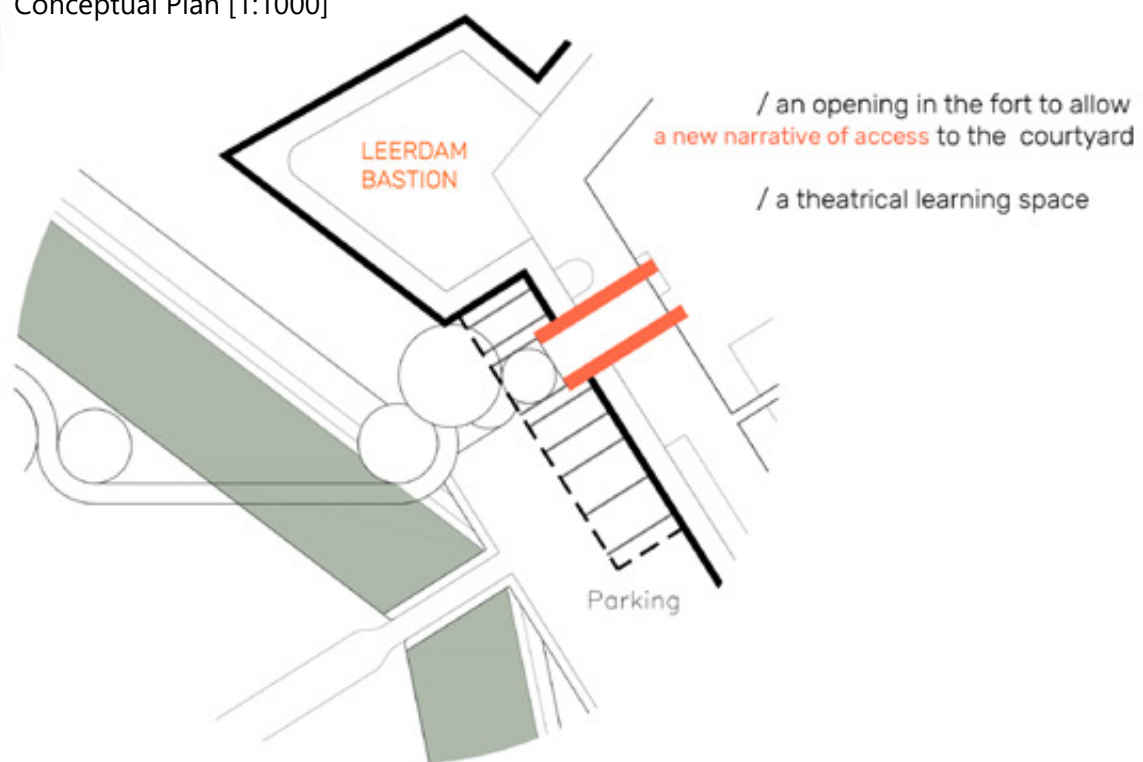
APPLYING THE NARRATIVES OF MY INITIAL COLLAGES IN IDEAS FOR "COMPLETING THE CASTLE" |



| MAPPING SOME OPPORTUNITIES OF CONTEXT AND SITE



Conceptual Plan [1:1000]



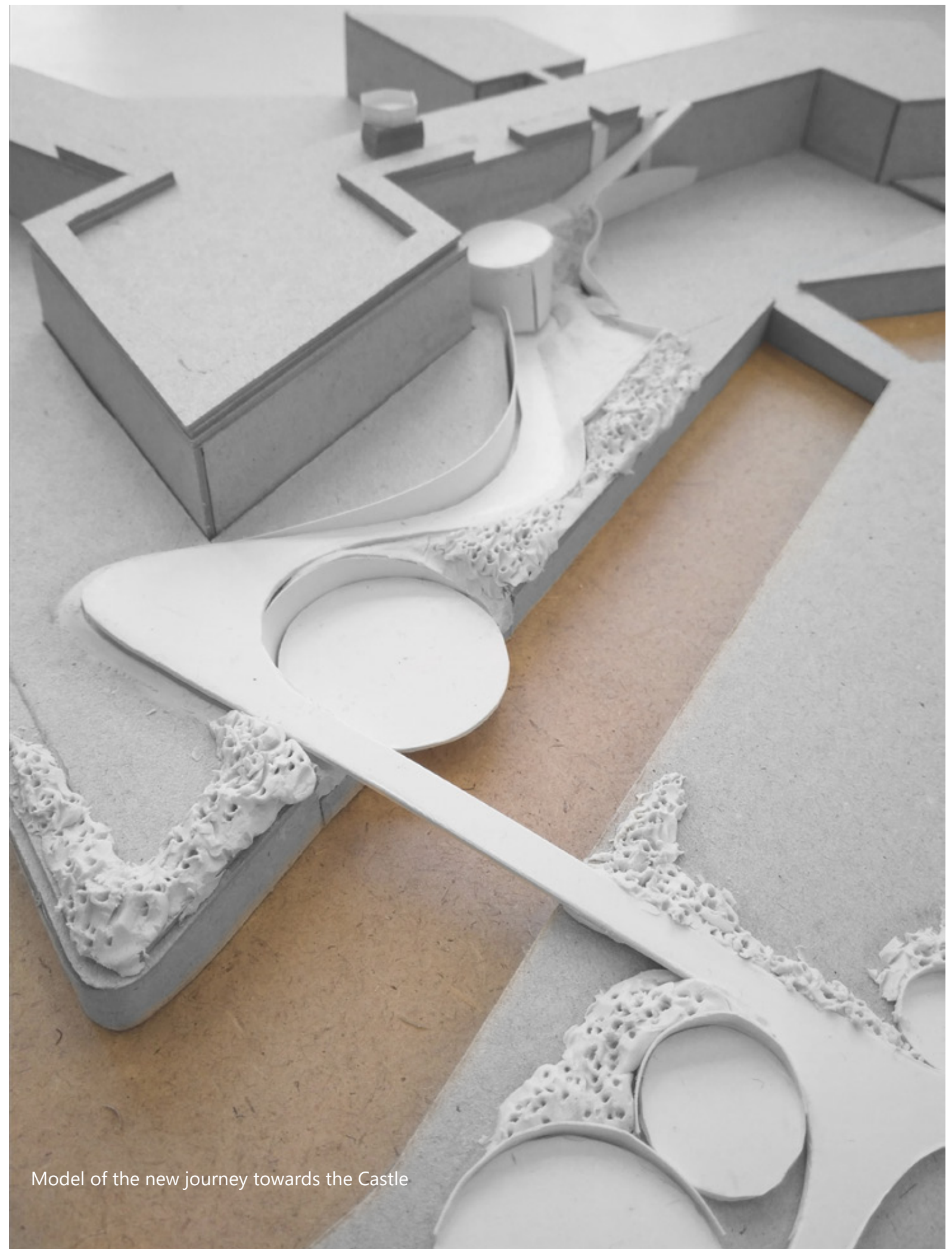
Conceptual Section [1:200]

The narrative of a memorable place

- _platforms: to encourage gathering and performance
- _meandering ramp: to encourage you to take in your surroundings
- _articulate surfaces: to attract, communicate and educate
- _stairs: to make you aware of your own body within the space
- _axis: to draw you in
- _enclosure: to offer protection
- _light and shadow: reveal the variations in form
- _moving water: gives the impression of life
- _unique smell: gives place a memorable and distinct character



Perspective of the landscape



Model of the new journey towards the Castle

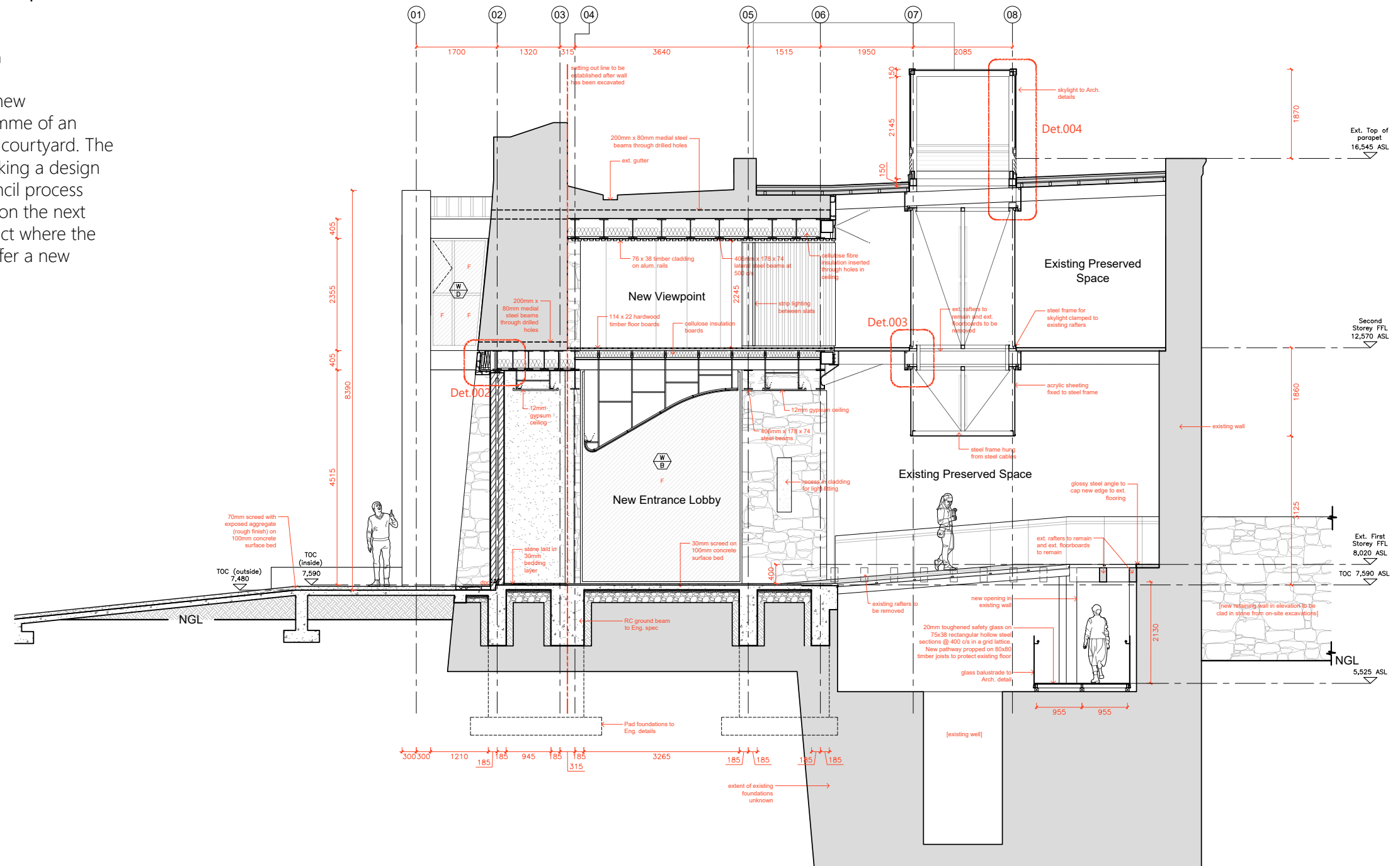


Jagged Isometric Section (nts)

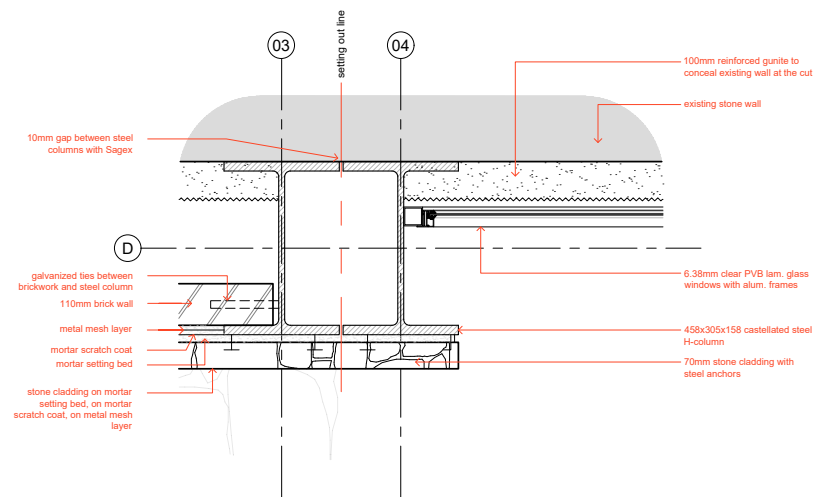
THE CASTLE (Group)

- 2018
- Location: The Castle of Good Hope, Cape Town

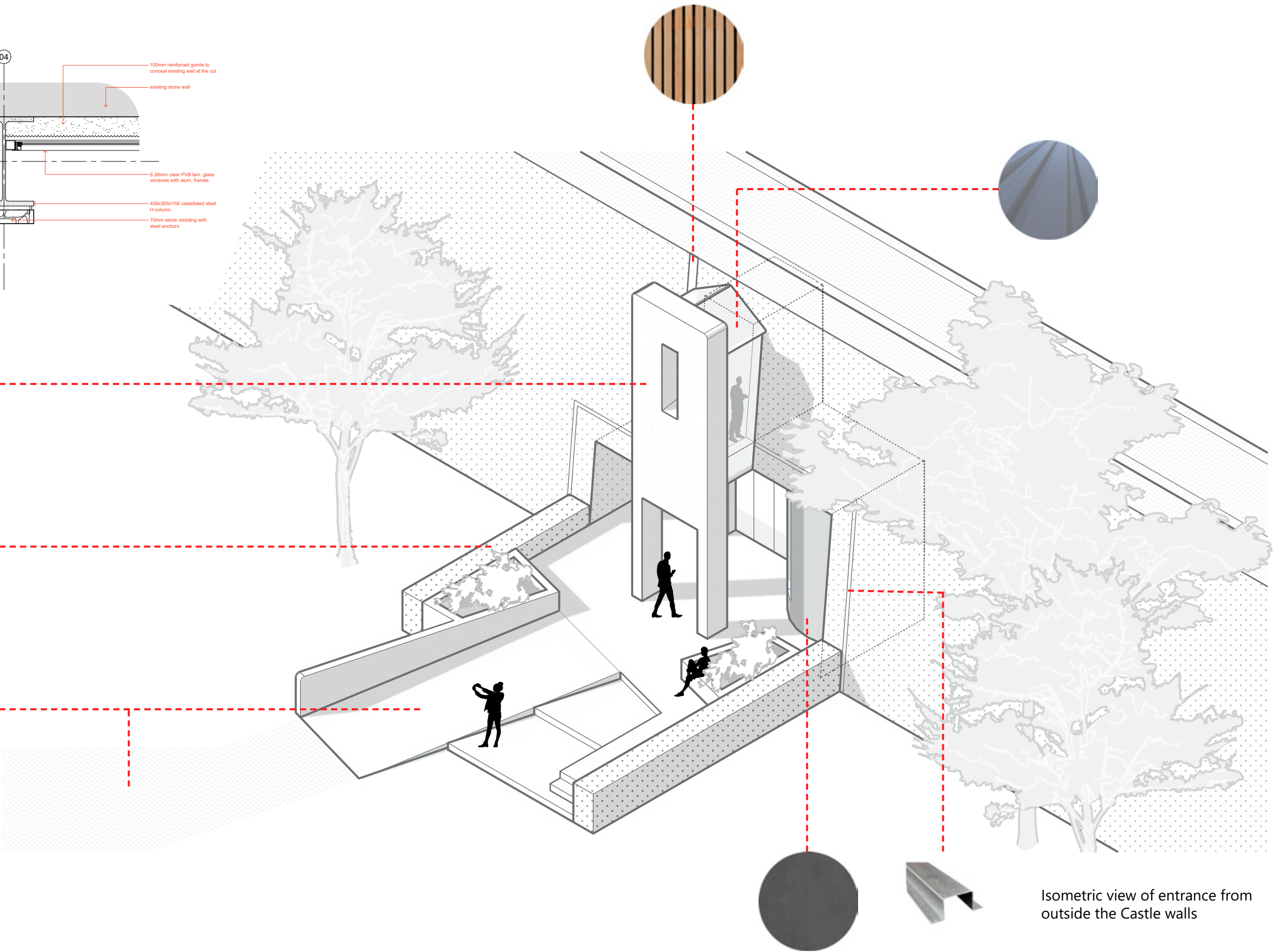
This project took the narrative of forming a new journey into the castle, and added a programme of an underground museum beneath the Castle's courtyard. The group 'simulated office' project was about taking a design to the level of detailing required for the council process and the construction process. The drawings on the next few pages represent the portion of the project where the existing castle wall is being cut through to offer a new entrance point.



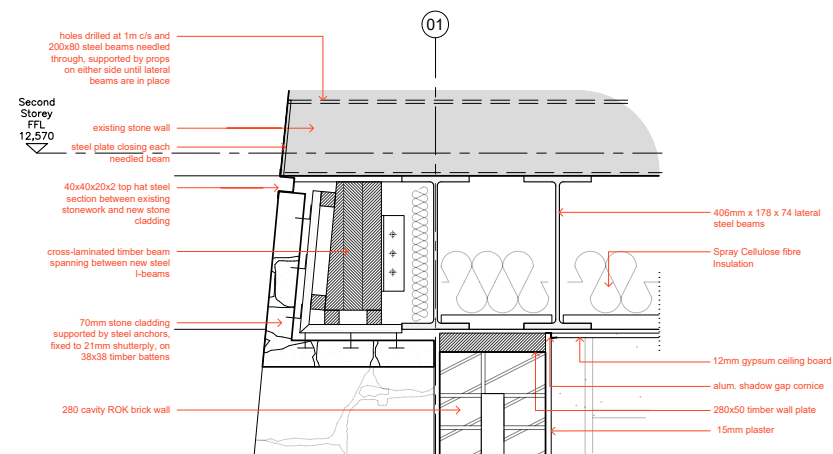
Section A-A (nts)



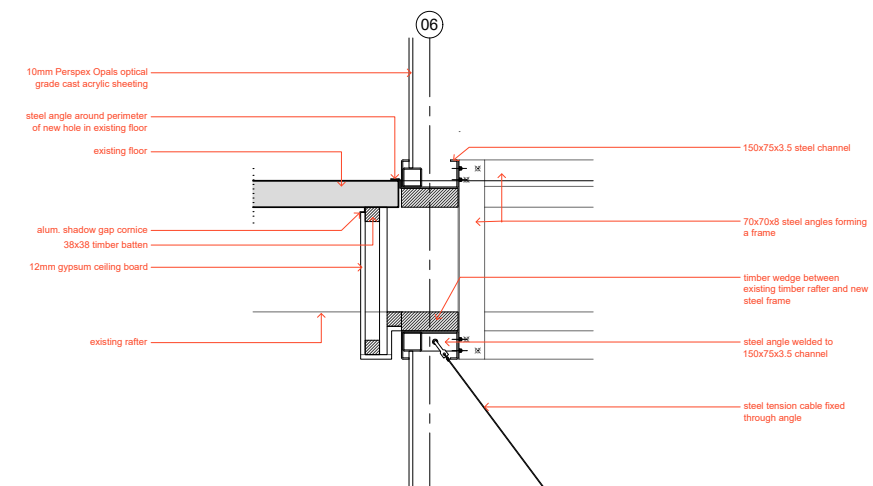
Detail 001 (nts)



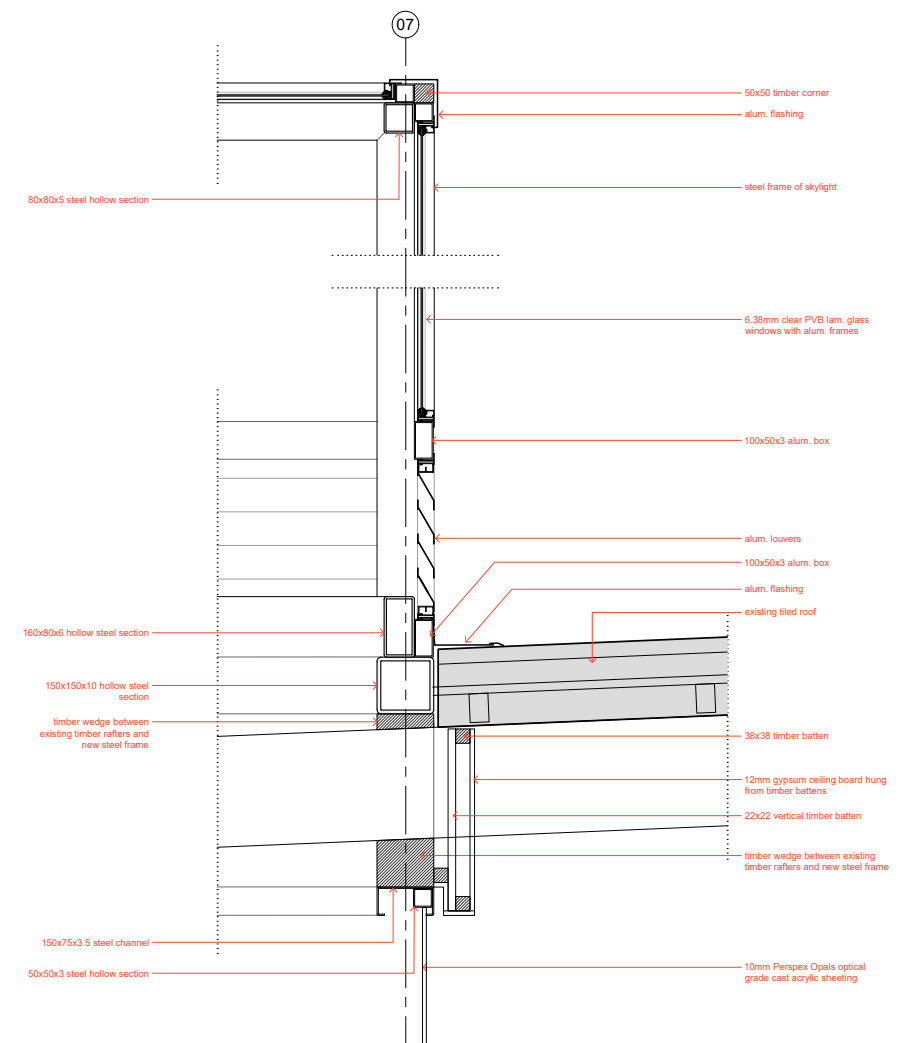
Isometric view of entrance from outside the Castle walls



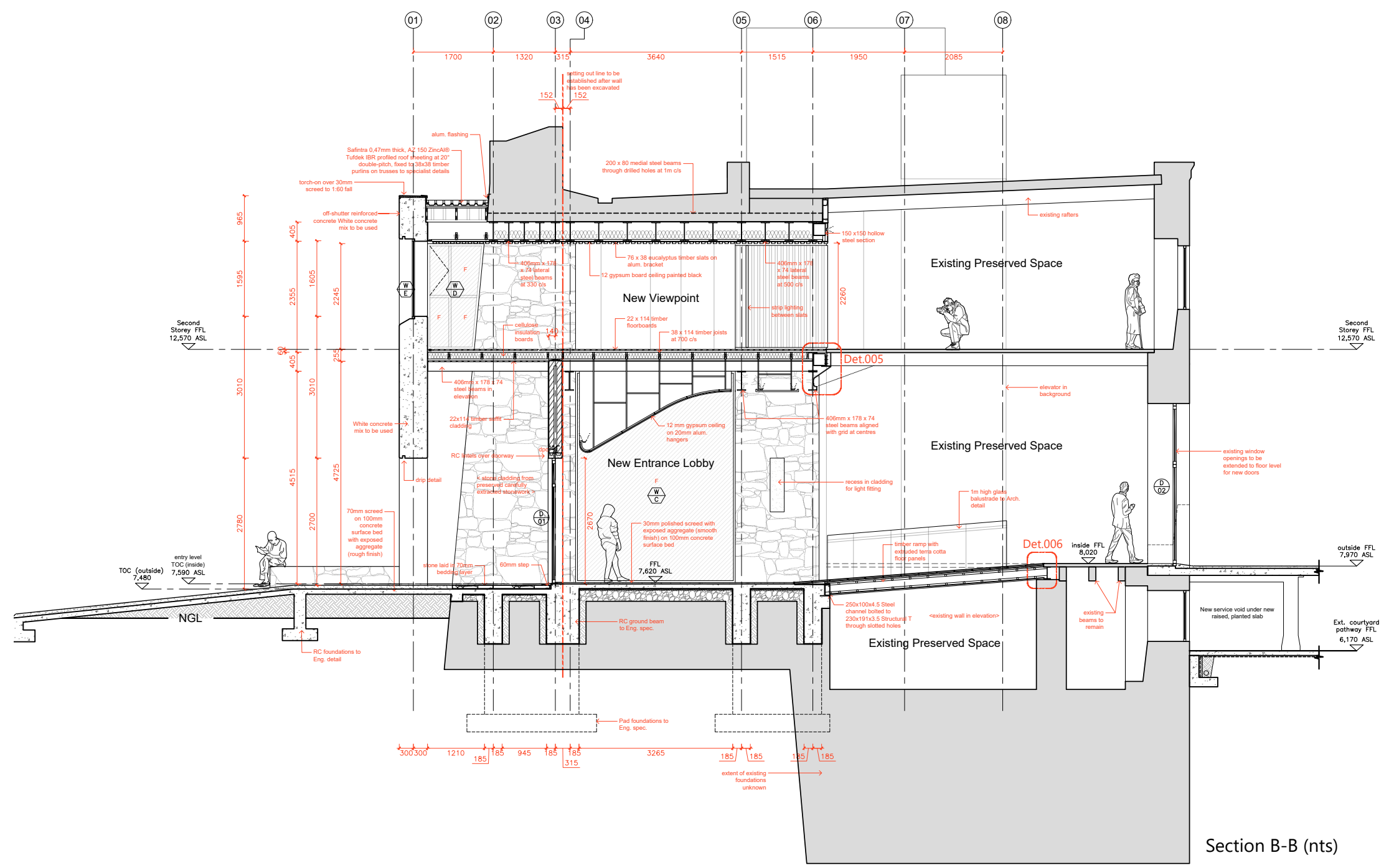
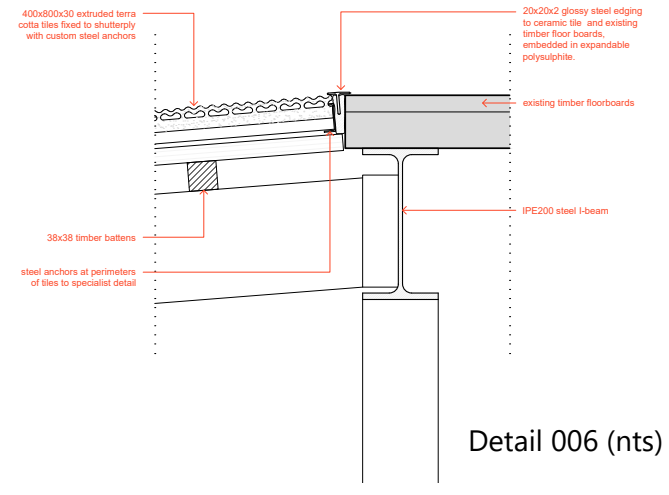
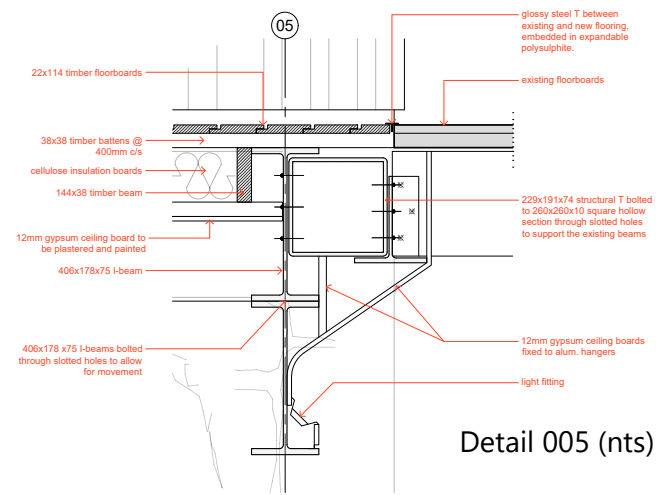
Detail 002 (nts)



Detail 003 (nts)



Detail 004 (nts)



■ Openness + Cohabitation

-MArch Dissertation, 2019
- Location: Gugulethu, Cape Town

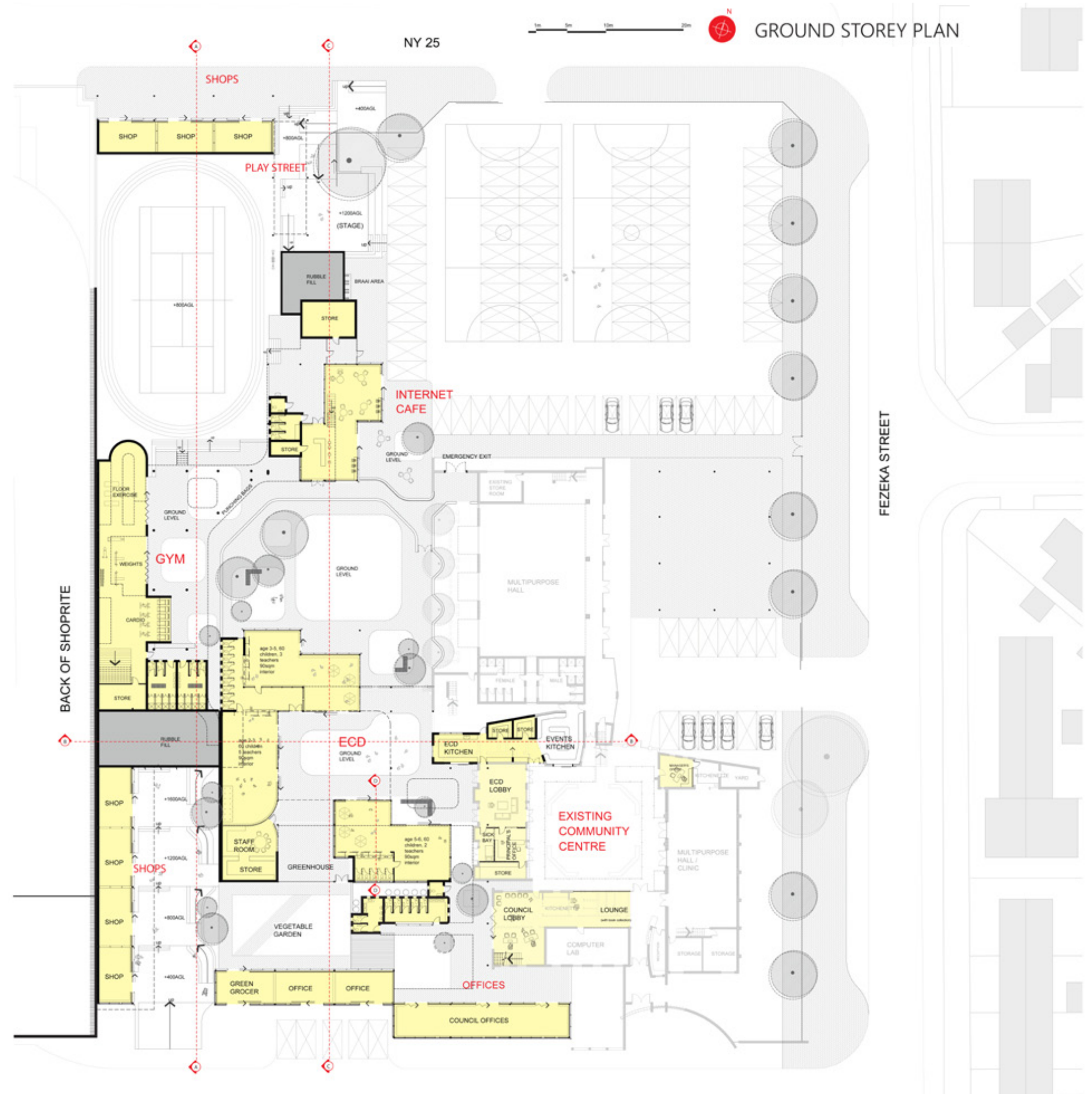


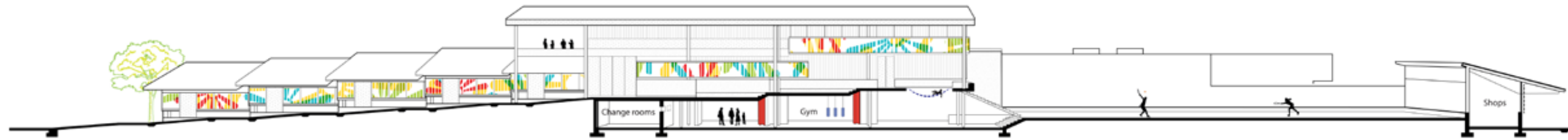
The paintings above represent Openness and Cohabitation respectively.

Openness: allowing for extended possibilities, interpretation, movement or connection in architecture.

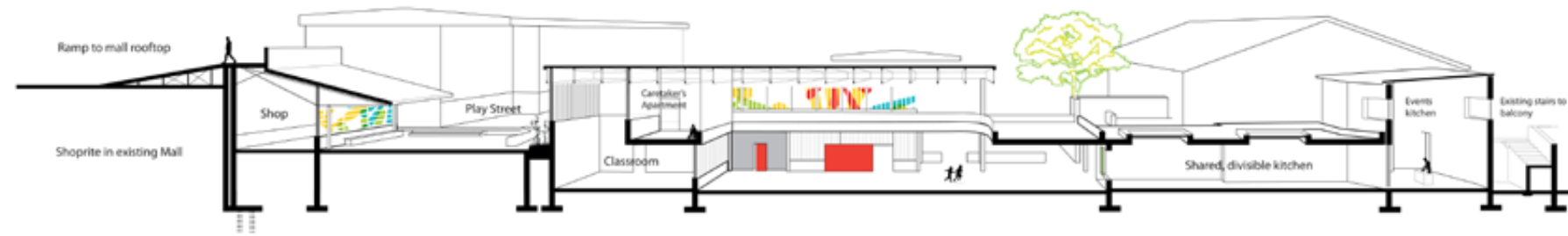
Cohabitation: the layering of social patterns in mutually beneficial situations.

The project is essentially a mat building which fulfils the needs of an existing community centre and contributes to the urban context. This includes extending the facilities and classrooms of the Early Childhood Development (ECD) and adding a larger gym which extends outwards to a public play-street. The existing layers of programme and events offer enough social density to create a dynamic mat building through which the ideas of Openness and Cohabitation are explored.





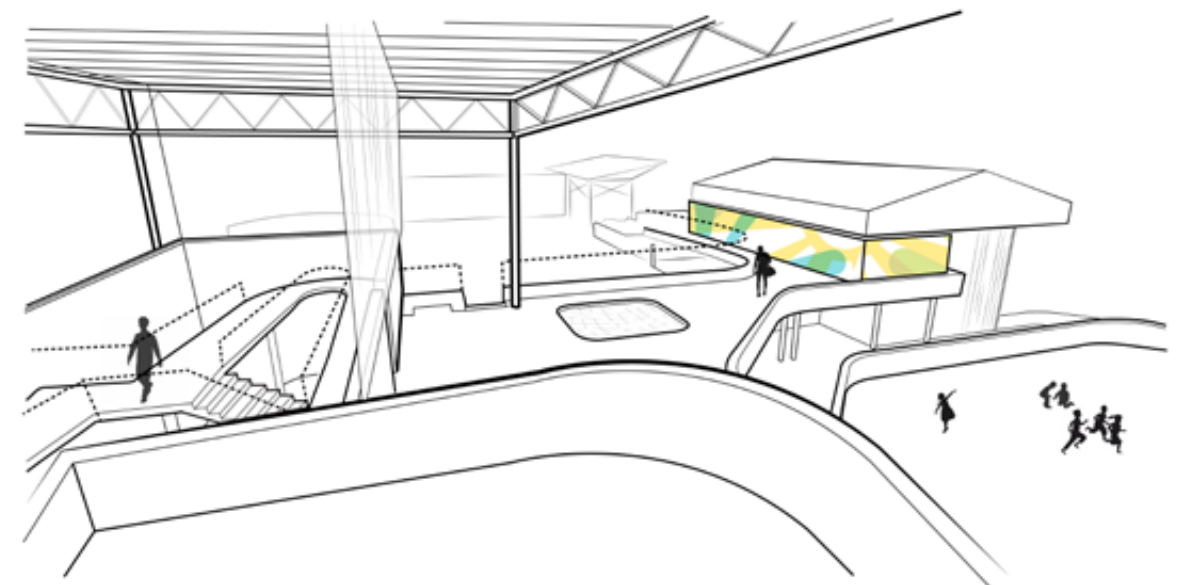
SECTION A-A



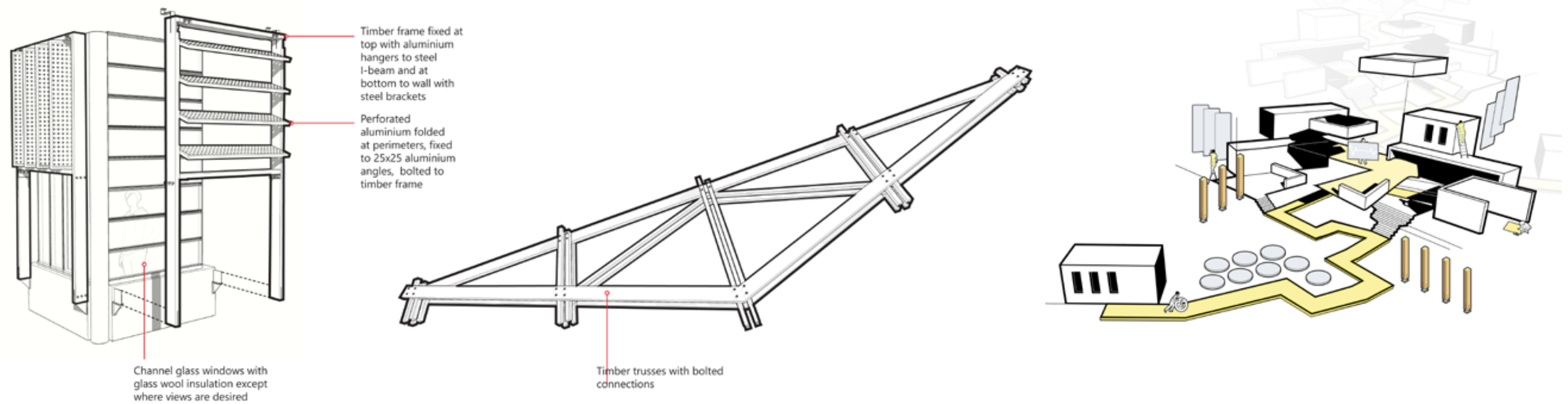
SECTION B-B



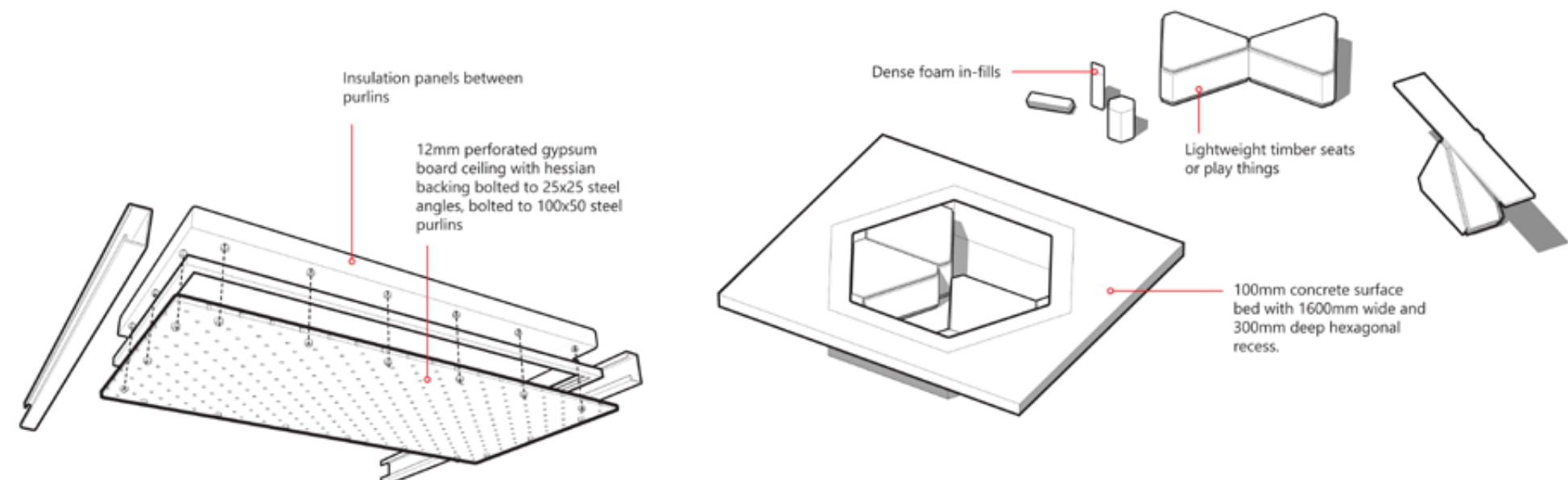
SECTION C-C



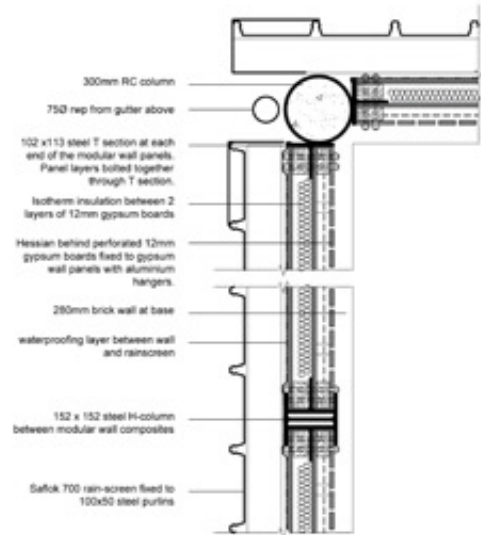
Perspective from balcony above gym



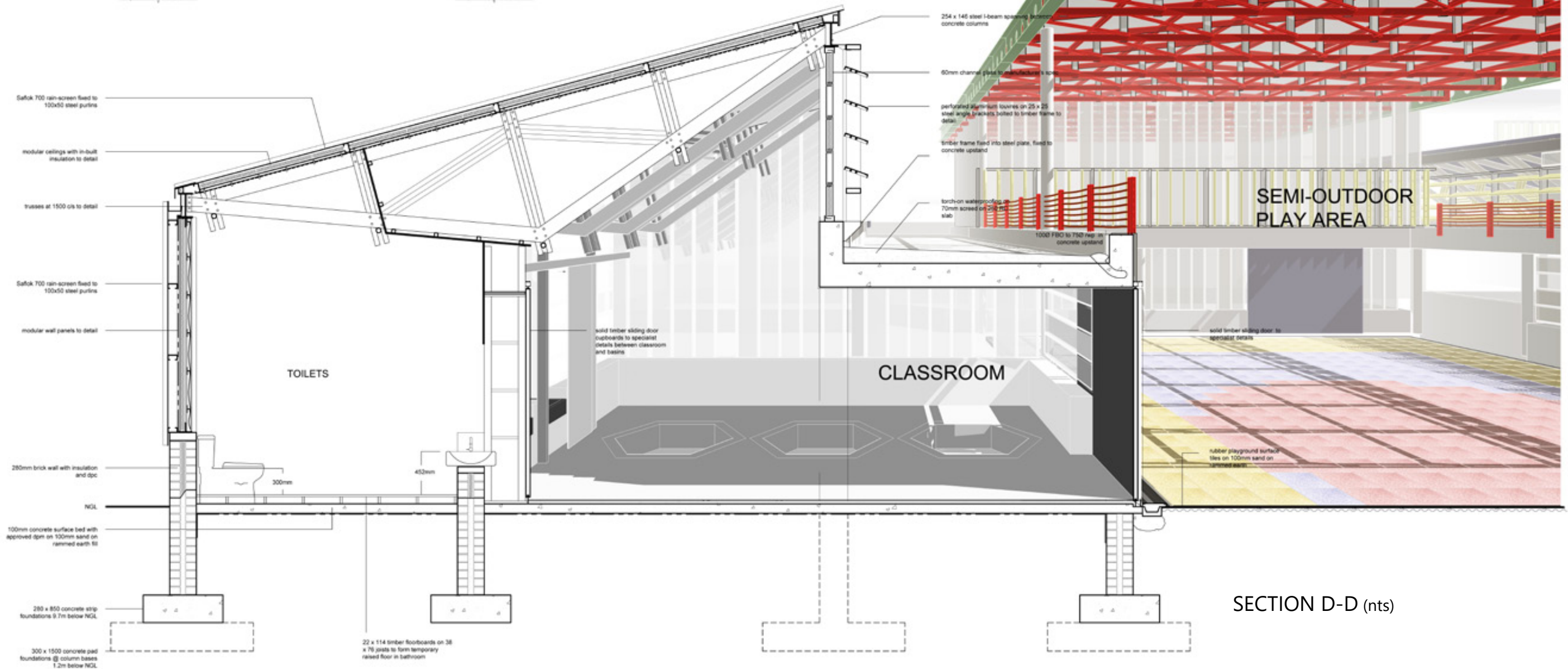
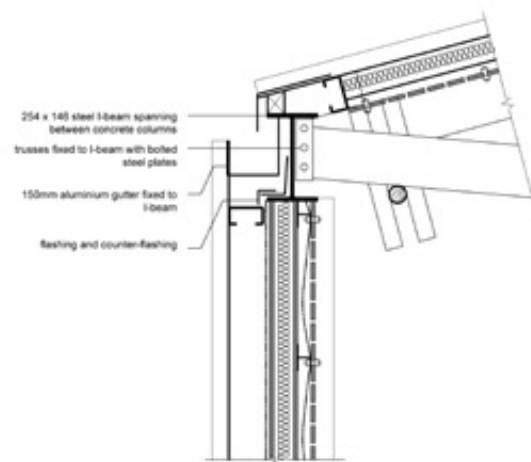
Design for Disassembly 3D details

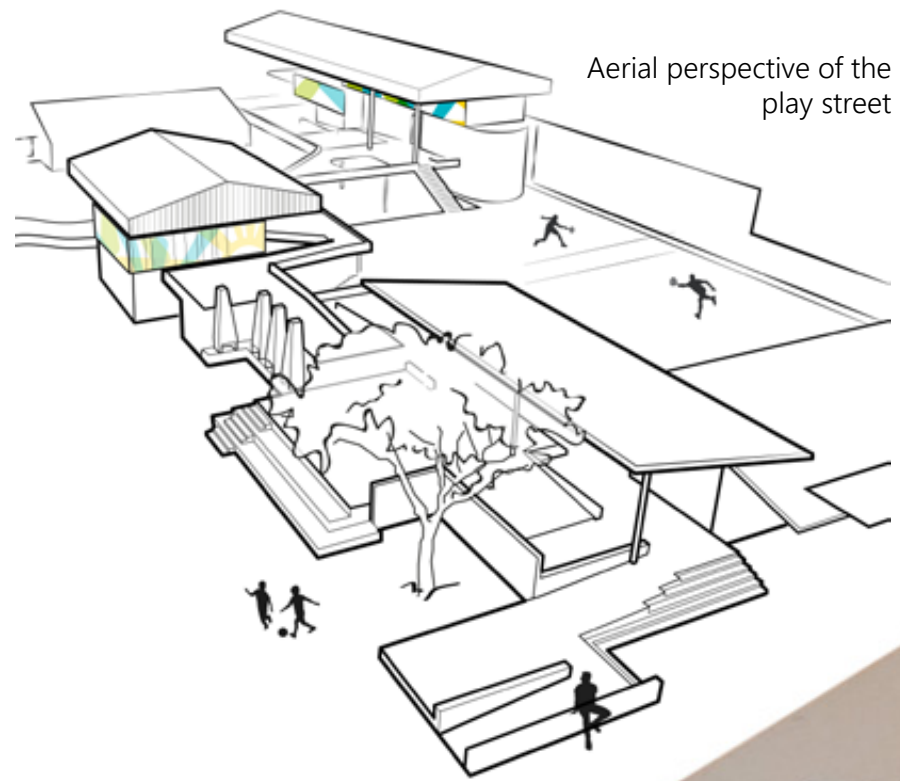


detail plan

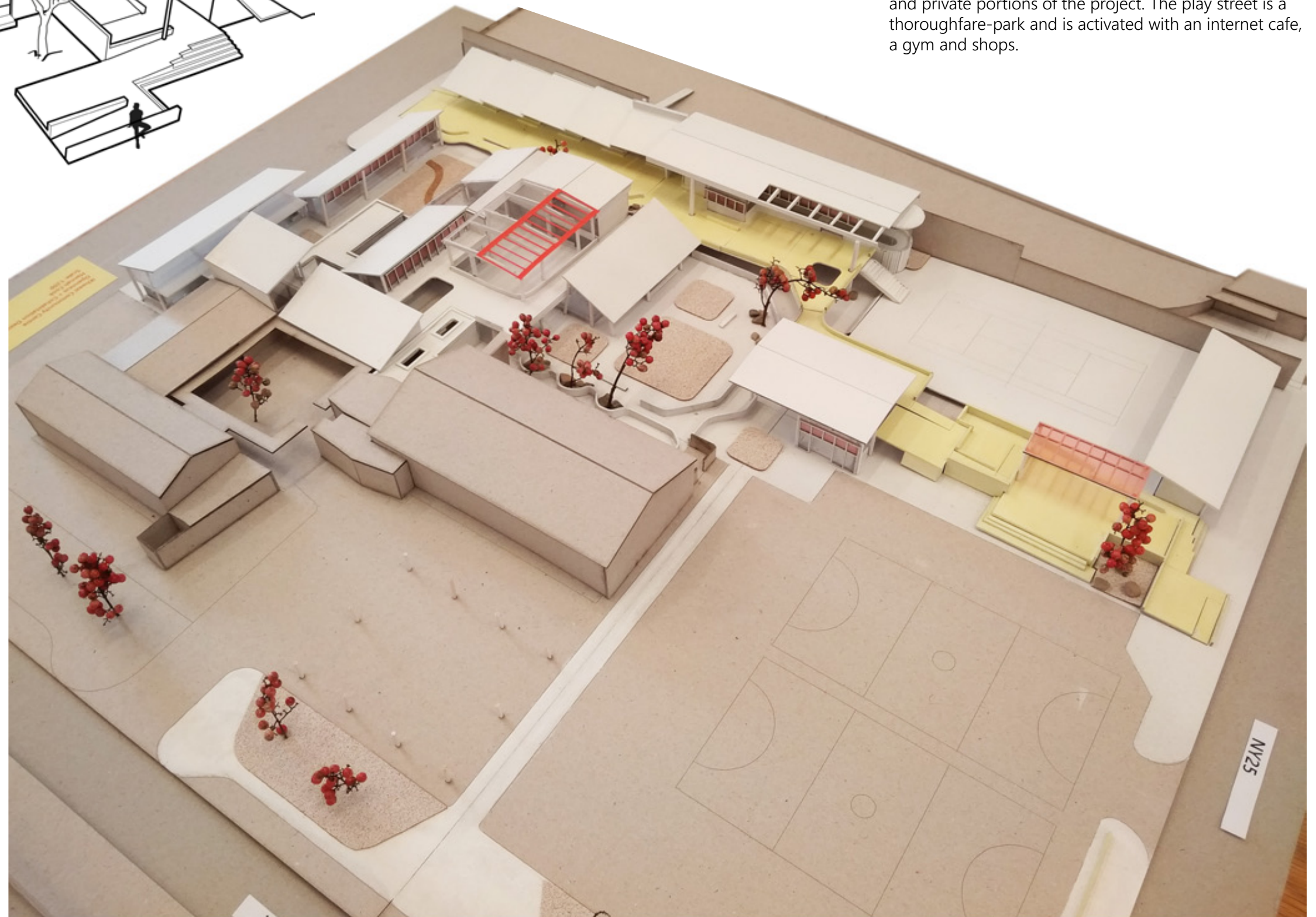


detail section





The part of the model highlighted in yellow is the public 'play street', which gradually steps up one storey above ground, to create visual connections across the public and private portions of the project. The play street is a thoroughfare-park and is activated with an internet cafe, a gym and shops.





Thank you for viewing this portfolio.

Please contact Hannah Cook at:

hannahza94@gmail.com or 0726031846