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INTERESTS:

1. Architecture
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3. Industrial Design
4. Property Development and Finance
5. Public Speaking
6. Teaching
7. Art

SKILLS:

1. Sketching
2. Writing
3. Verbal Presentation
4. Adobe Photoshop
5. Microsoft Office
6. ArchiCAD
7. Artlantis

Keletso Maroba

I believe that good architectural design is not just about creating an intelligent blend of style, form and function. It is also a form of storytelling.

I find my purpose and fulfilment in creating worlds for people where they can gain a memorable experience and familiarise themselves with a place through taking journeys through spaces.

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Architecture is the Thoughtful Making of
Space

Louis Kahn

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Artistic background

Buildings, too, are children of the earth and
sun

Frank Lloyd Wright



BITC- Francistown Regional Office



Client: Botswana Investment and Trade Center

Value: BWP 718, 630. 08

Location: Francistown, Tati River Mall

Description: Pre and post Contract Services for Interior Design and Construction Supervision. Role of graduate architect and project manager

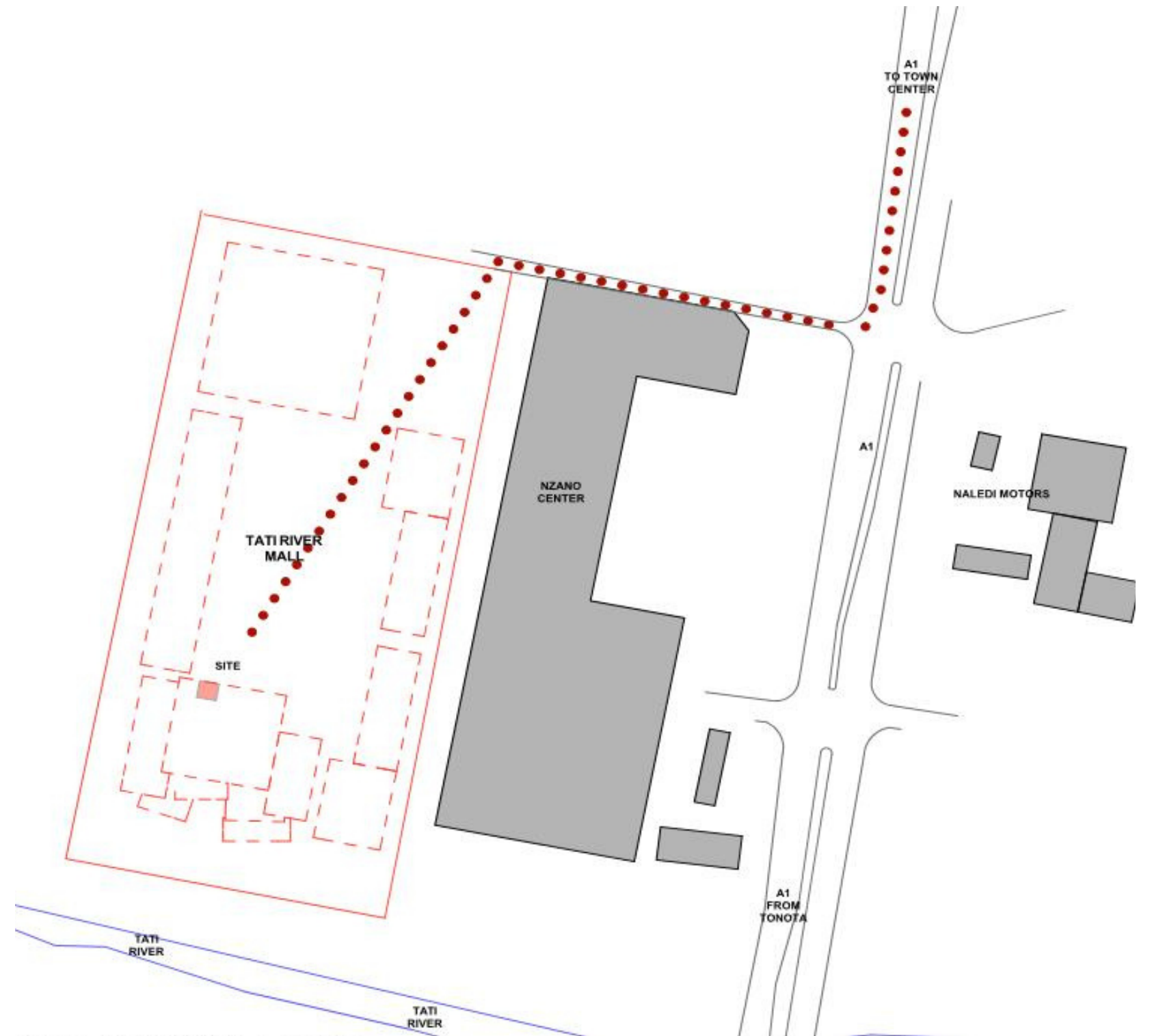
Location

Francistown is located in the North East District in Botswana. It is known as the land of the Bakalanga Tribe as they live there predominantly.

The site of interest is located at the Tati River Mall. It finds itself situated behind the Nzano Center that acts as a gateway mall into Francistown center just beyond the Tati River.



Fig 1.1: Site Location Map



Existing Rental Space: Tati River mall

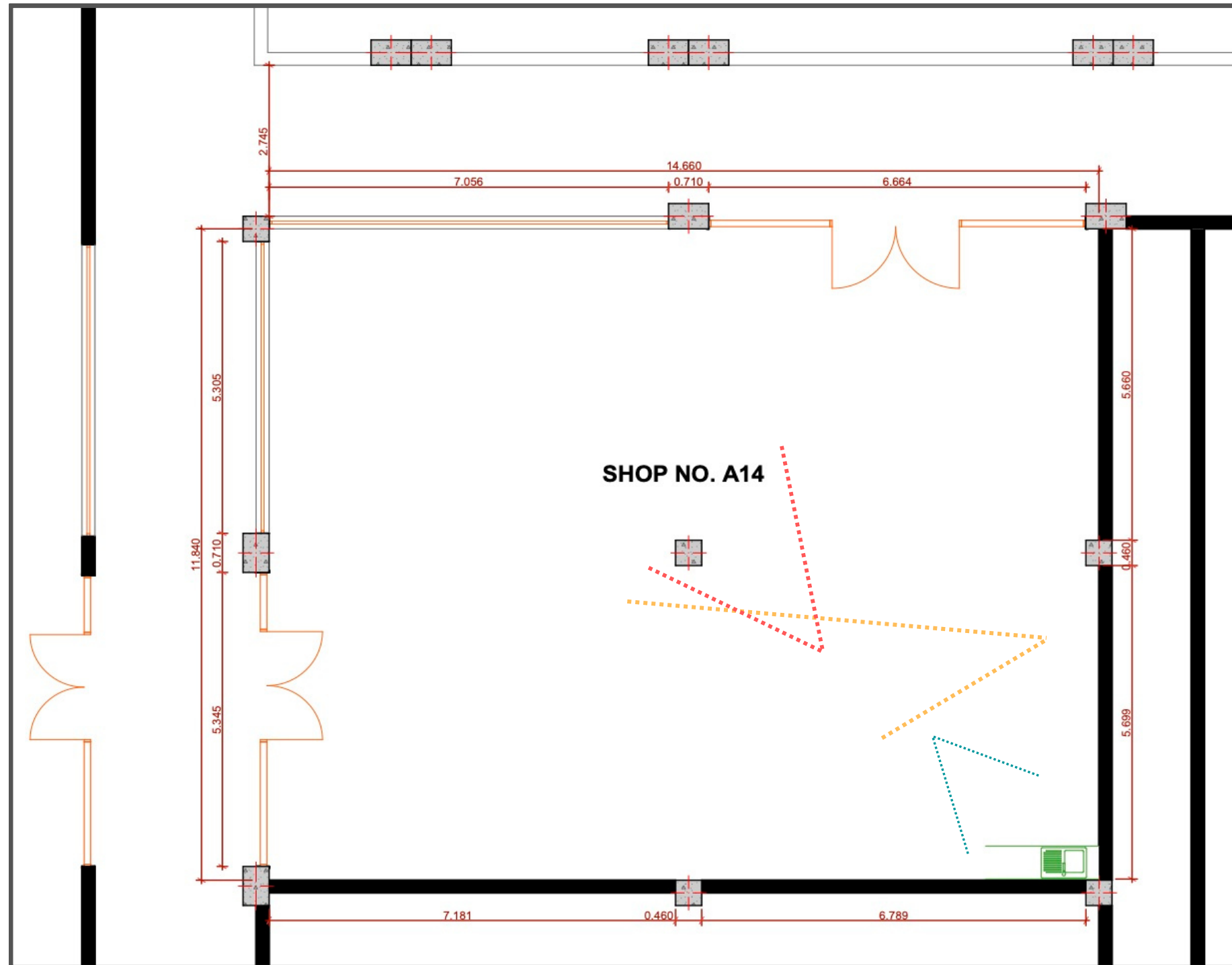


Fig 1.2: Existing Floor Plan

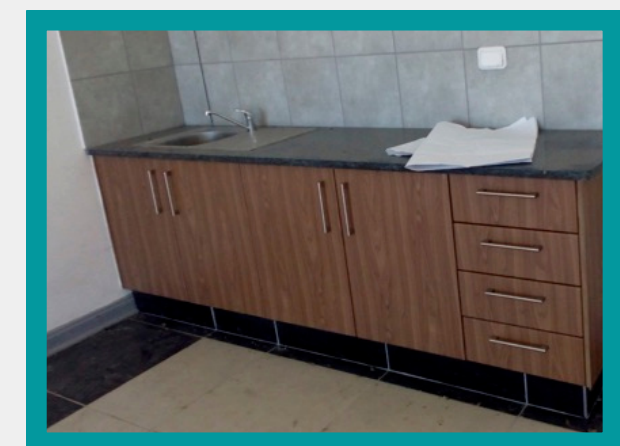


Fig 1.3: Existing site images

Proposed Layout

The Design proposal is for the regional office based in Francistown for BITC. The brief of the project was to have a modern day office that gave an ambiance of a place where money deals are Meade.

Brief was as follows:

- 1.Reception and lounge
- 2.meeting room
- 3.Directors office
- 4.Manager's office
- 5.offices (x2)
- 6.Open plan office and printing area
- 7.Server room
- 8.Storage room
- 9.Kitchenette
- 10.Male and female ablutions

The interior space was to be designed using the program listed above to the desired quality of the client.The project was seen through from the design stages all the way through to the end of the construction stage.

The client Engaged a contractor to do the building works and electrical installations and commissioned a separate company to do the mechanical works.

Skill Set in training:

Client interface, Design & development, Presentation skills, Project management,

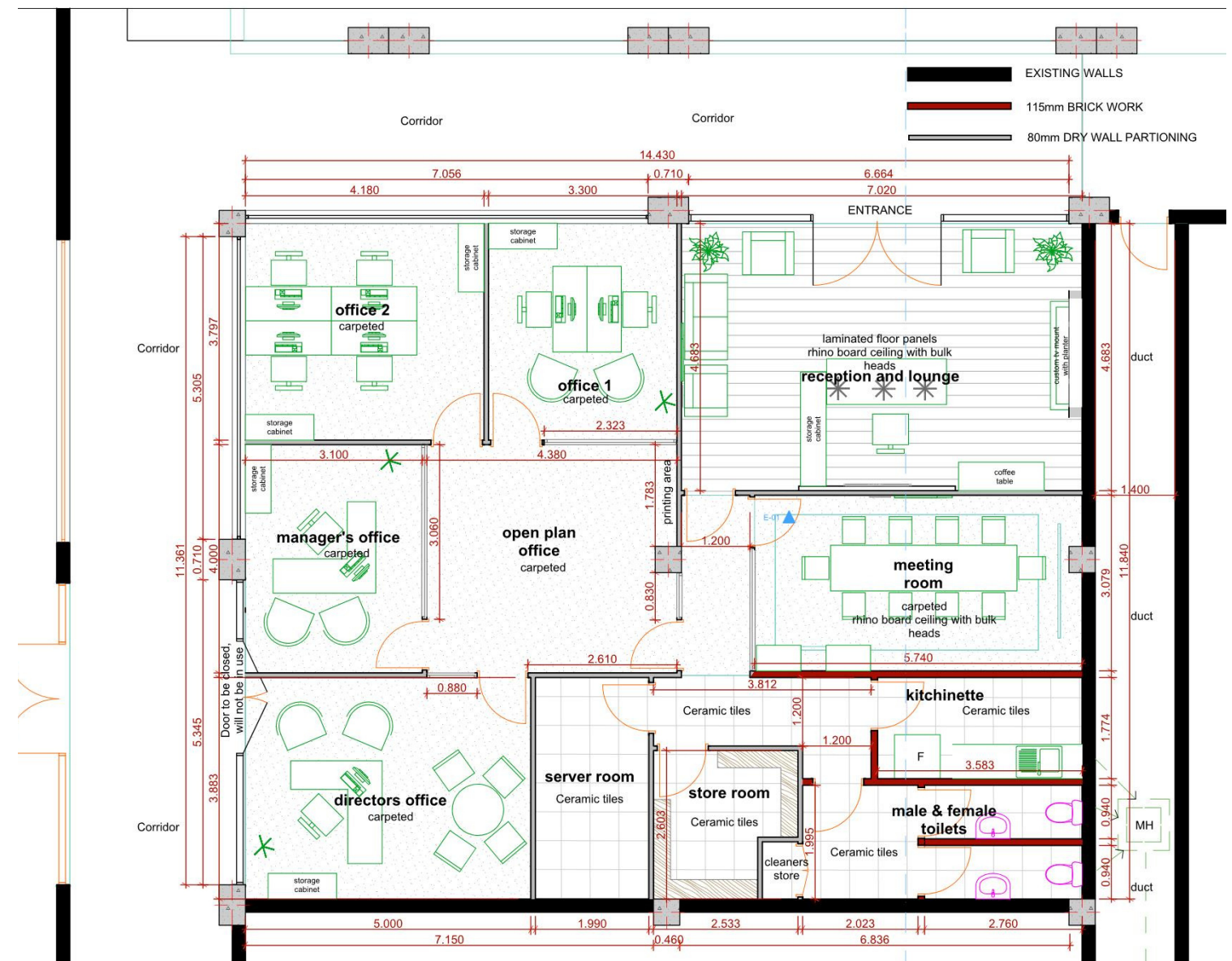


Fig 1.4: Proposed Floor and furniture layout

Sectional drawings

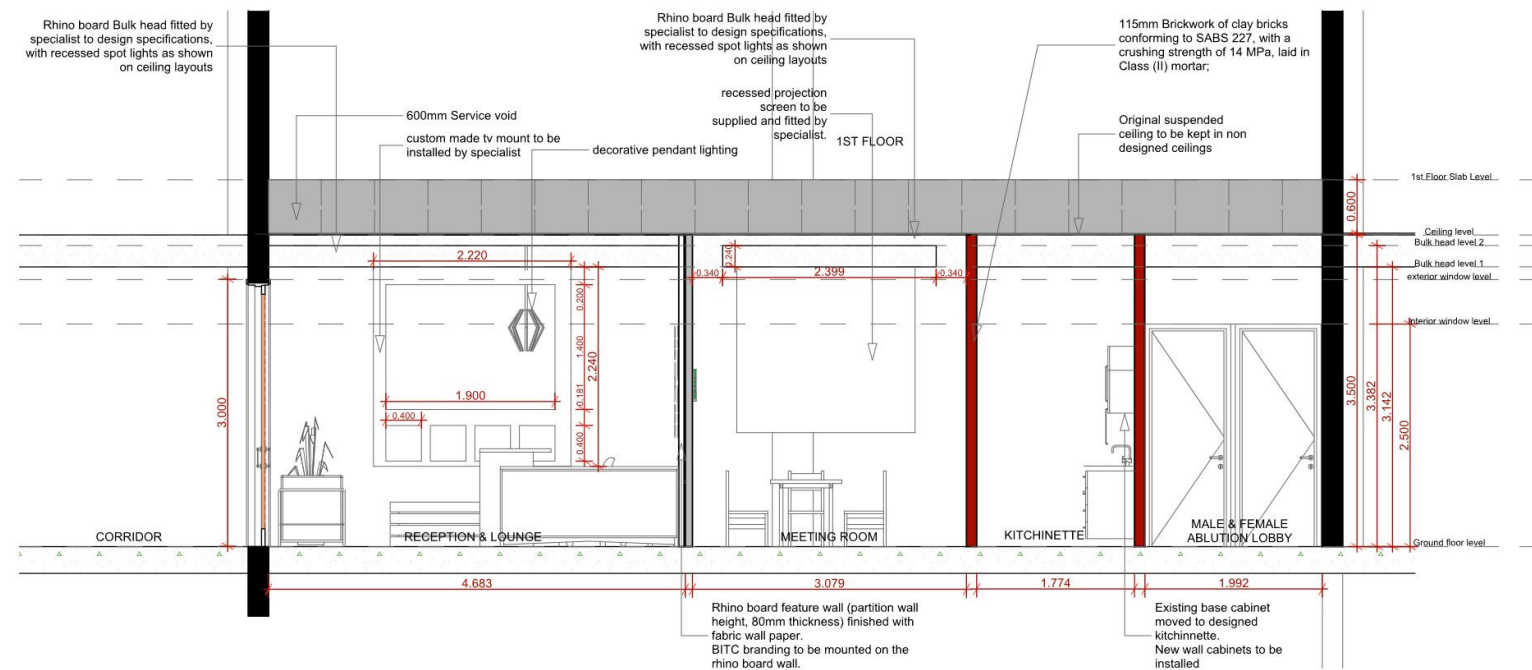


Fig 1.5: section through the entrance to the bathrooms lobby

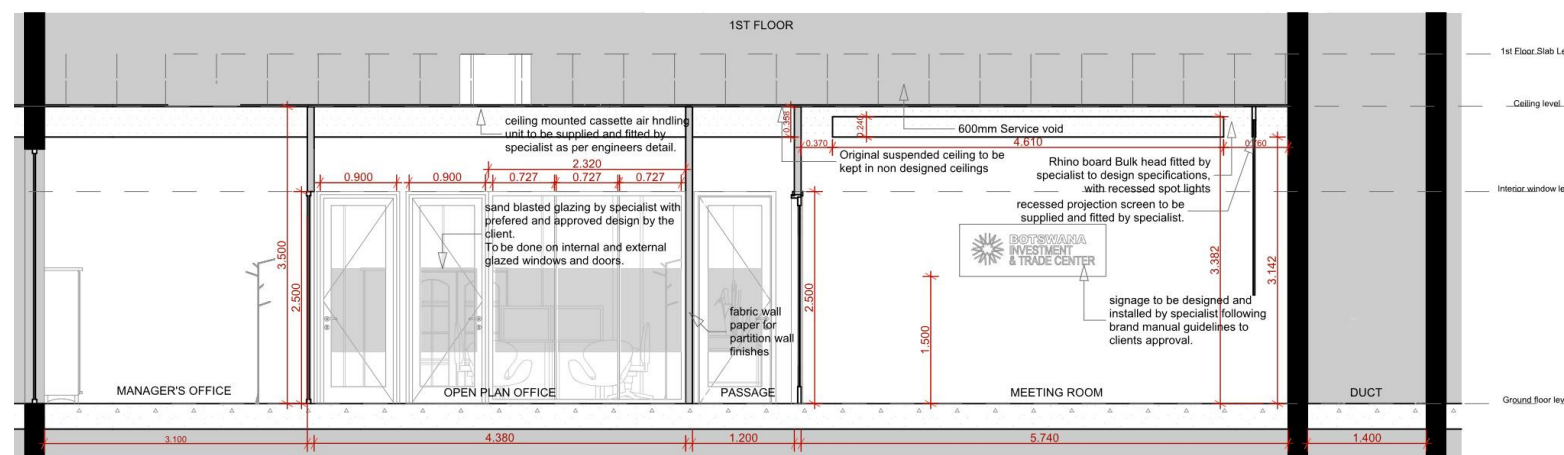


Fig 1.6: section through the managers office through to the meeting room and duct.

Continued details for construction of the elements in each space.

These drawing details were researched on, designed and detailed by the graduate architect. These designs were passed through the senior architects for discussions, suggestions and guidance on the language used in communication for detail and construction drawings.

These designs were made to follow the theme of spaces where money is made through elegance, simplicity, sharp edges and professionalism. The client played a big role in approval of these designs to their most desired effect.

Detail

Kitchen Cabinet design and specification for the main contractors The backdrop in the reception and waiting area, ceiling section detail and relationships between the two information.

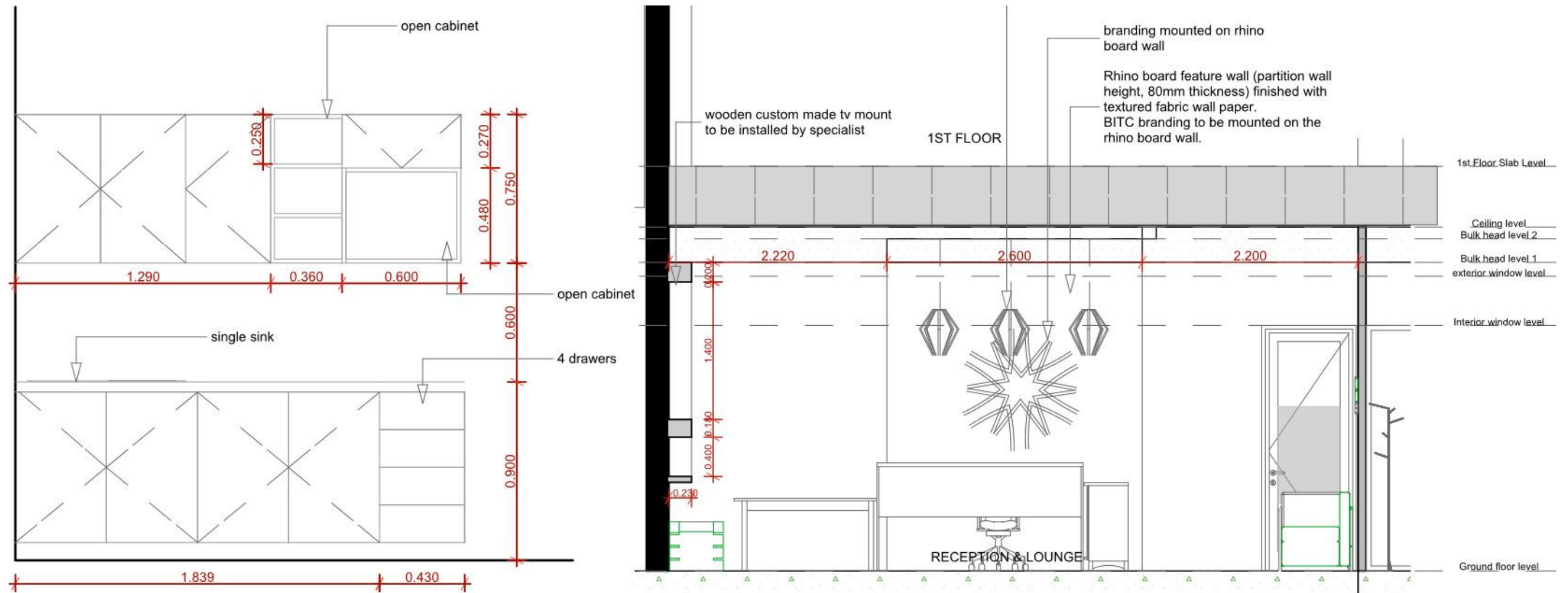


Fig 1.7: Kitchen cabinet detail and Reception & Lounge detail

Construction supervision



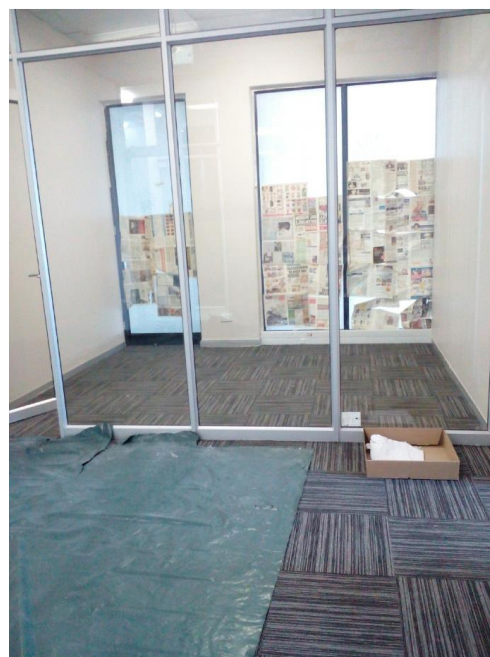
1.



2.



3.



4.



5.



6.

KEY

1. Brickwork erected and plastered, variation in proposed height of walls against the height of the ceiling. Top half covered with partition wall material.
2. Glass partition frame installation.
3. Bulkhead ceiling framework in the meeting room.
4. Desired carpet installed.
5. Bulkhead ceiling installed and being prepped for final coating. Walls also being primed for the desired wall finish
6. Custom cut outs of client logo

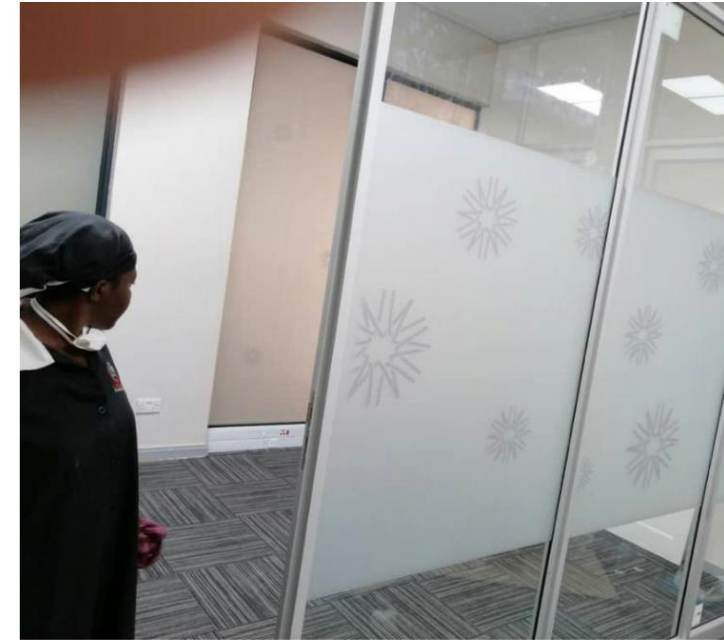
Complete Office



1.



2.



3.



4.



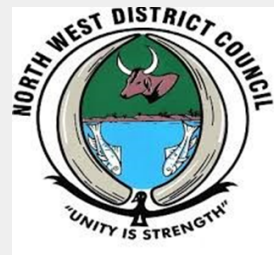
5.

KEY

- 1.Reception and Lounge
- 2.Kitchenette
- 3.Offices
- 4.Meeting room
- 5.Reception and Lounge

2

Maun Tribal Administration office



Client: North West District council- Maun tribal
Administration office

Value:

Location: Maun

Description: Pre and Post contract services for Design
and Build of The Tribal administration office for the
Tawana Customary Court of Maun

Site Location

The site is located in The Northwest District of Botswana in a village called Maun. Maun is home to the Batswana ethnic group. The village is famous for the Thamalakane river, the Palm trees and white and grey clay sands. Because of the river, the people are known for basketry, for canoeing, fishing and tourism. It also has a close connection to the biggest delta in the continent being the Okavango Delta. This is the reason that Maun benefits the most in terms of tourist attraction here in Botswana.

Pre- Contract
design contract for the tribal administration office in the Tswana Customary court.

Stages 1-4a achieved

Skill set in training:

1. Client interface
2. Design Development
3. Presentation skills
4. Project Management
5. Report writing



Fig 2.1: Existing aerial view of the Maun customary court (Site)

Design Proposal

The design of this office building was born from the idea of how the Batawana tribe in Botswana settled in their earlier days.

The curvature in the building mimics the horse shoe effect that finds itself creating intimate spaces for gathering purposes, where in this case the proposed building completes the composition of the buildings and vegetation on site.

Within the center of these buildings, a landscape strategy was developed such that the repetition of these curves created zones that motivate paths of movement in and around the buildings and the gathering spaces. The different textures on the ground indicate the hierarchy in movement and activity that takes place in the Kgotla precinct. We find that the landscaping proves itself as an extension of the enclosed spaces. The design intends to create an outdoors space that can accommodate multitudes of people during the kgotla meetings in a controlled and intimate way but still giving privacy to the office spaces.

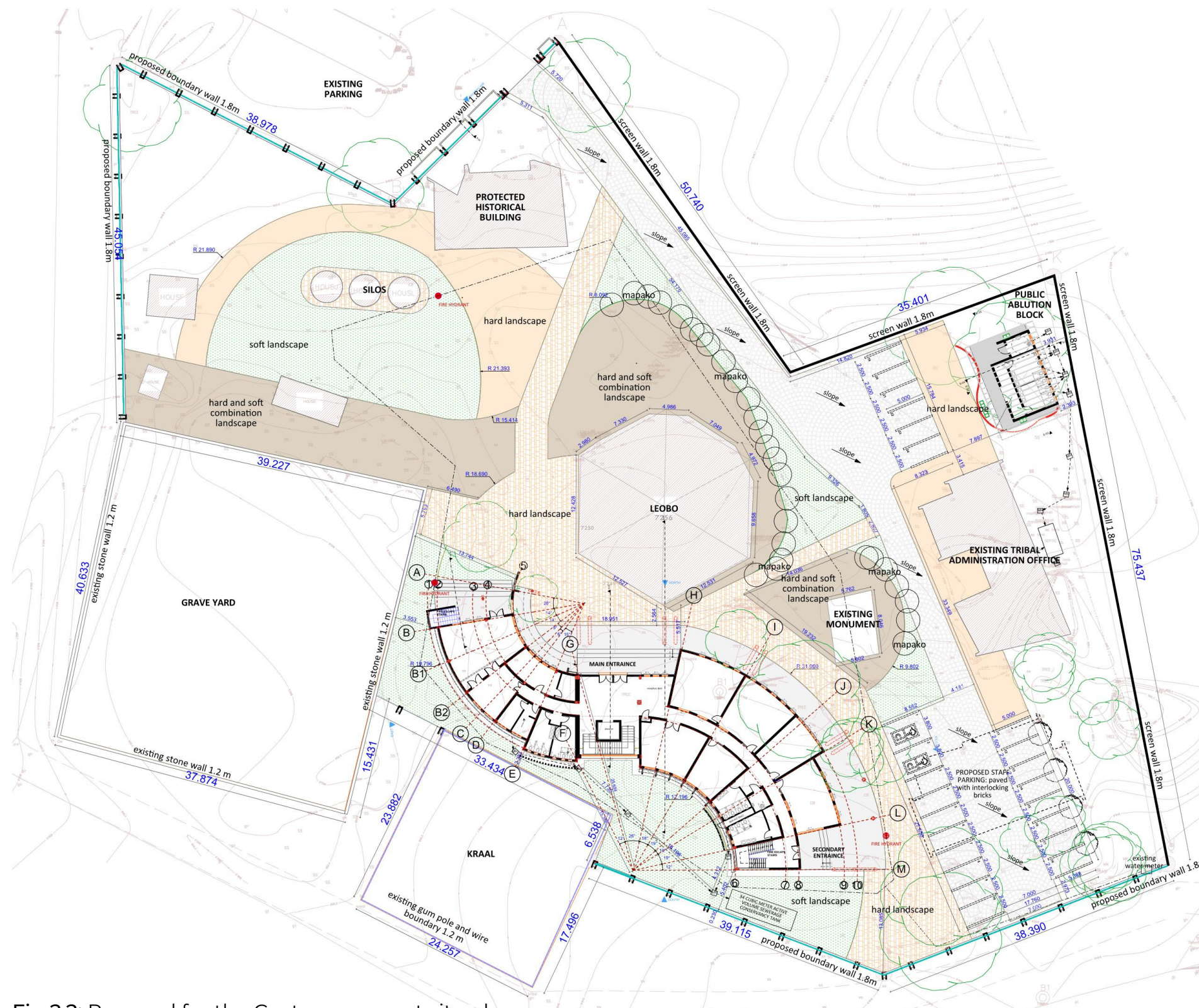
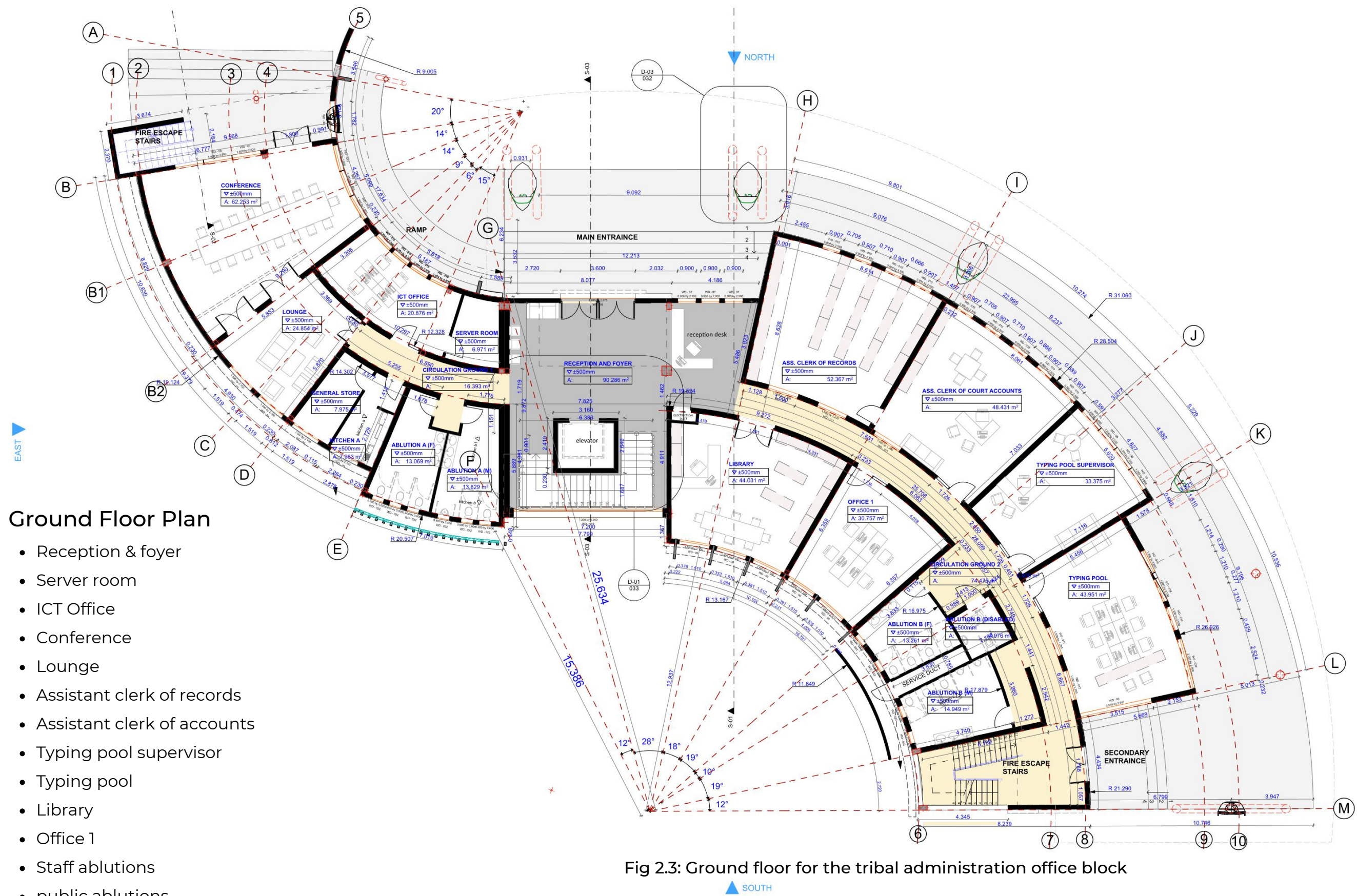


Fig 2.2: Proposal for the Customary court site plan



Ground Floor Plan

- Reception & foyer
- Server room
- ICT Office
- Conference
- Lounge
- Assistant clerk of records
- Assistant clerk of accounts
- Typing pool supervisor
- Typing pool
- Library
- Office 1
- Staff ablutions
- public ablutions

Fig 2.3: Ground floor for the tribal administration office block

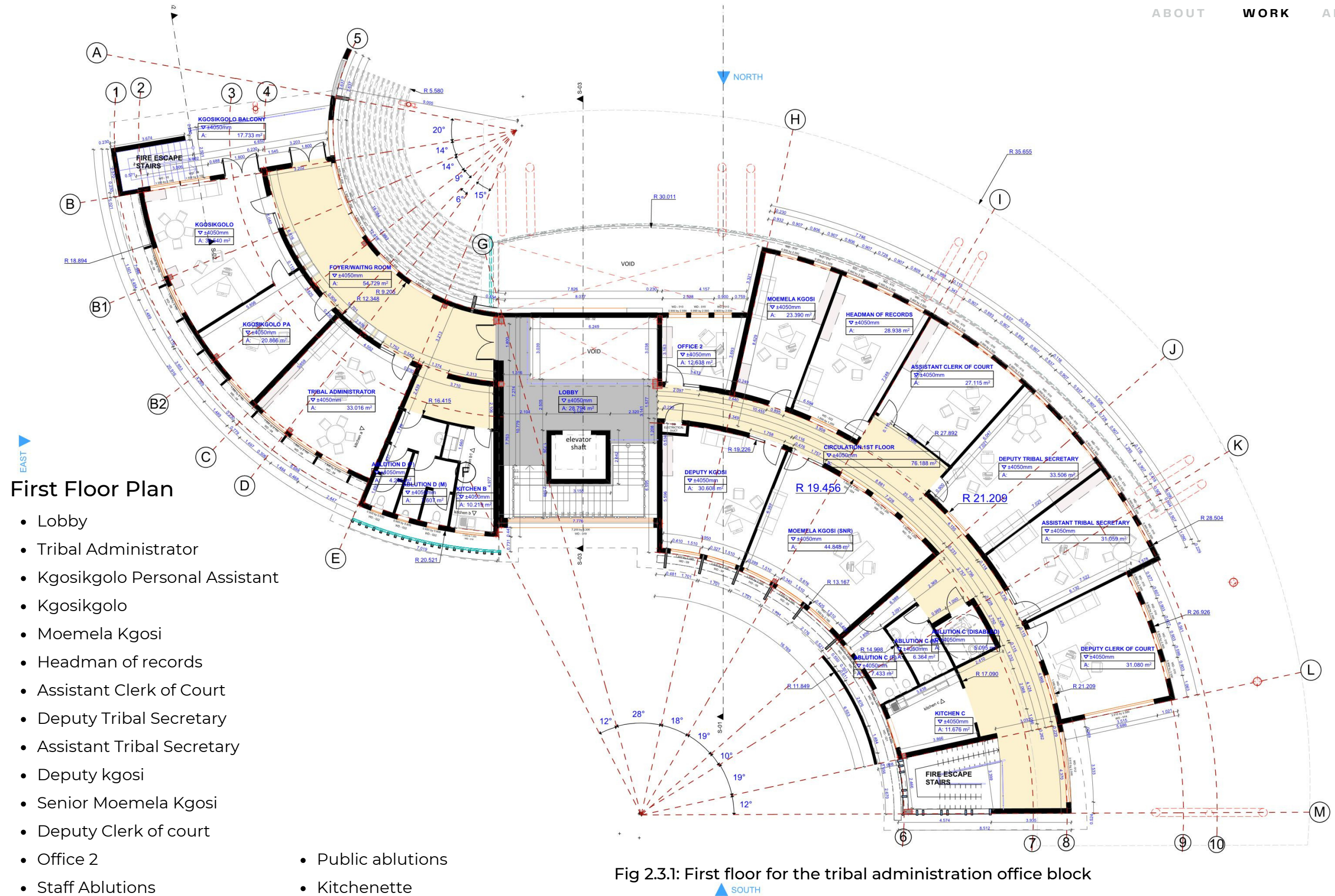
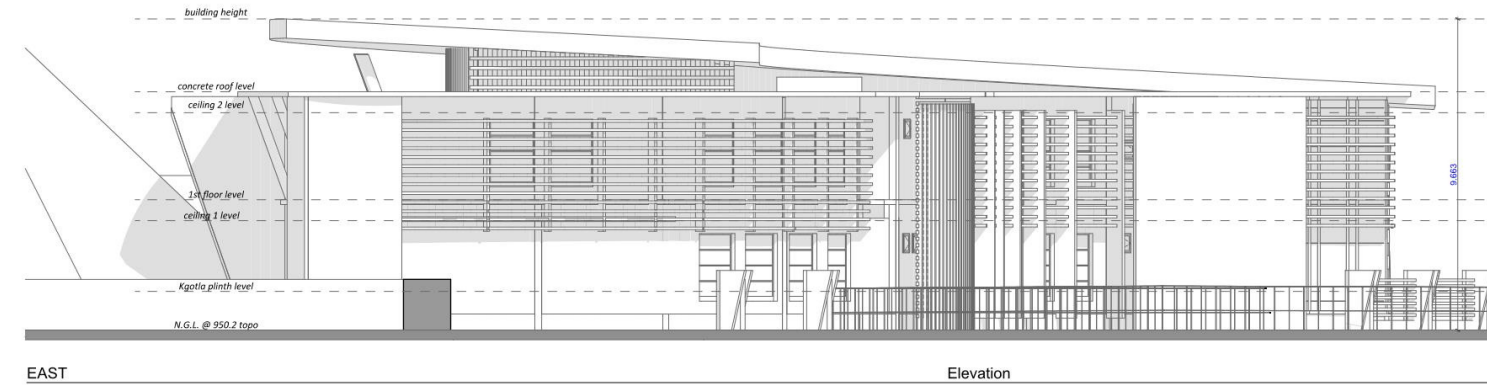
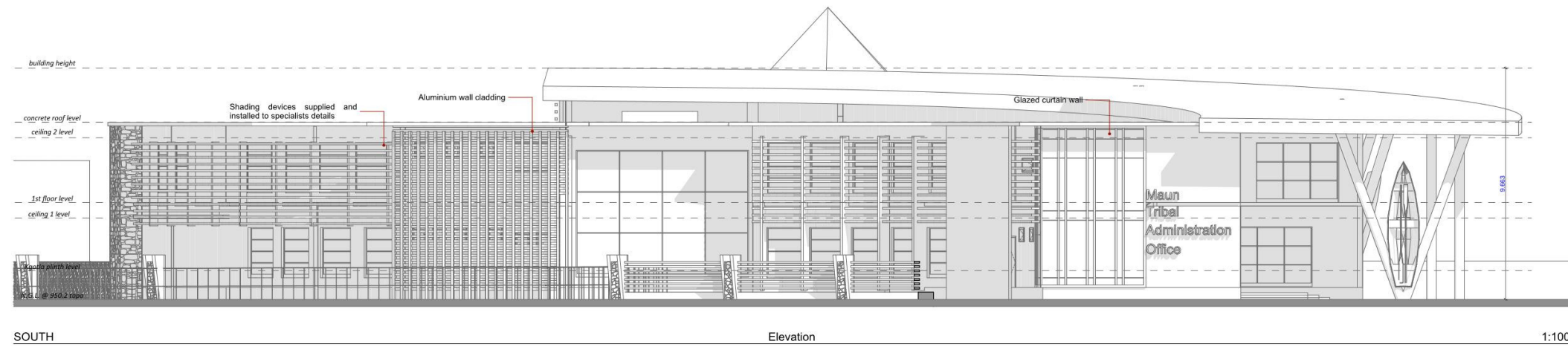
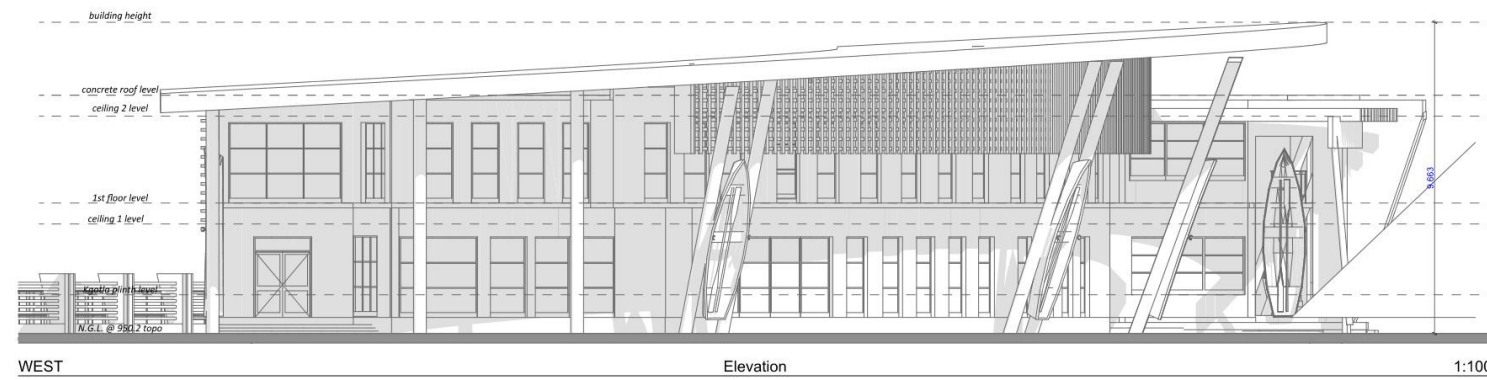
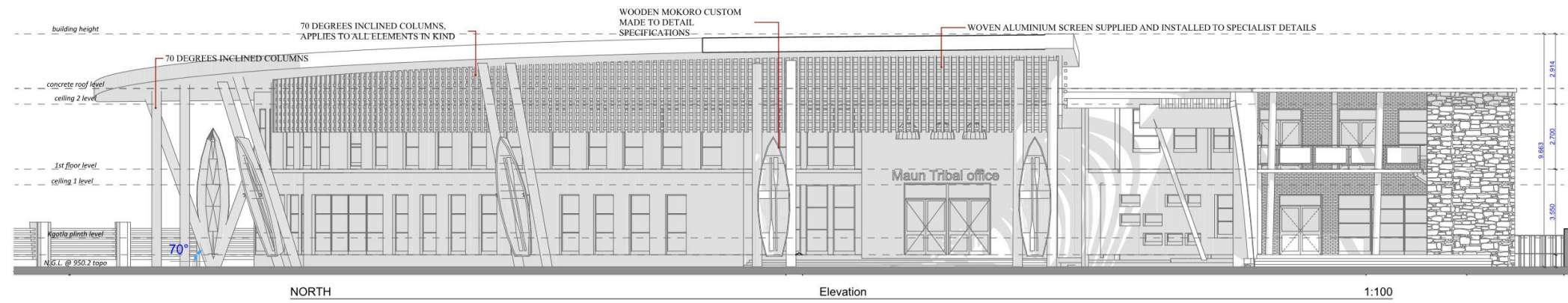


Fig 2.3.1: First floor for the tribal administration office block

Elevations



Design Proposal

This section demonstrates the materiality of the shell of the building. The connectivity of the shading devices and the use of material is shown here and we also observe an attempt to use locally sourced materials (mokoro) to incorporate into the aesthetic of the building. This is good in terms of giving the building an identity and also providing its appropriateness to the setting to which it will be built.

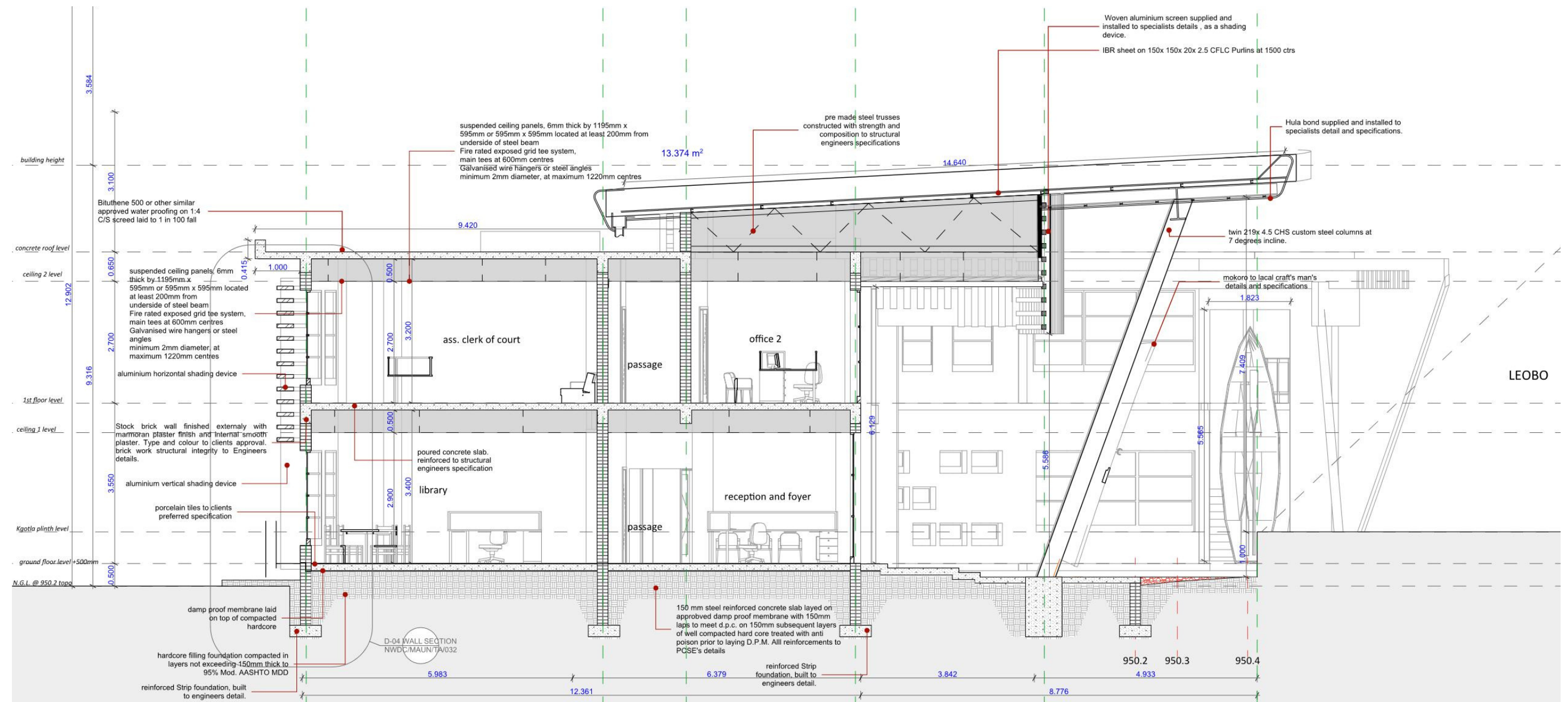


Fig 2.4: Section 01 - Cross section through the proposed tribal admin office building

Detailed sections

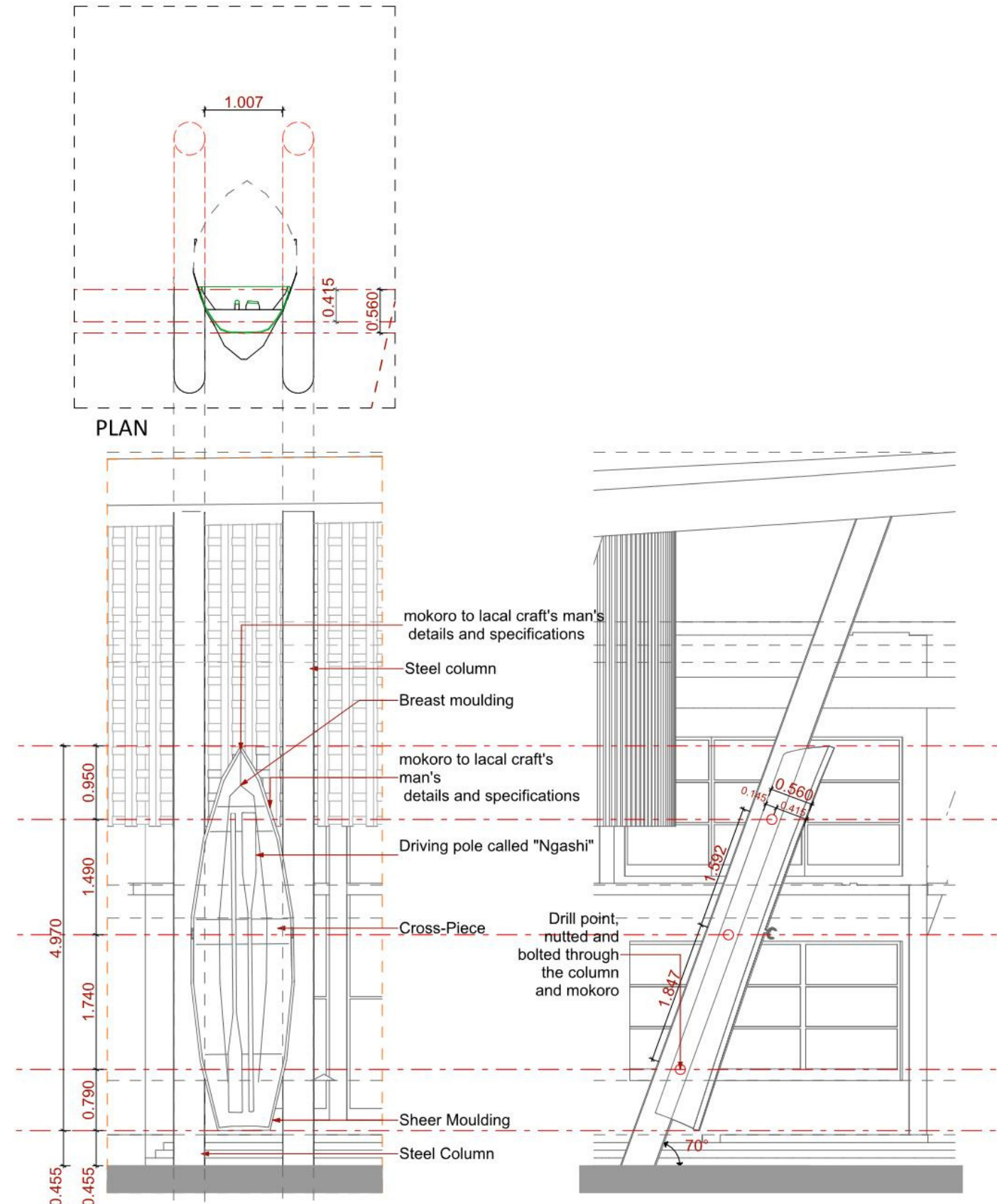


Fig 2.5: Mokoro installation detail

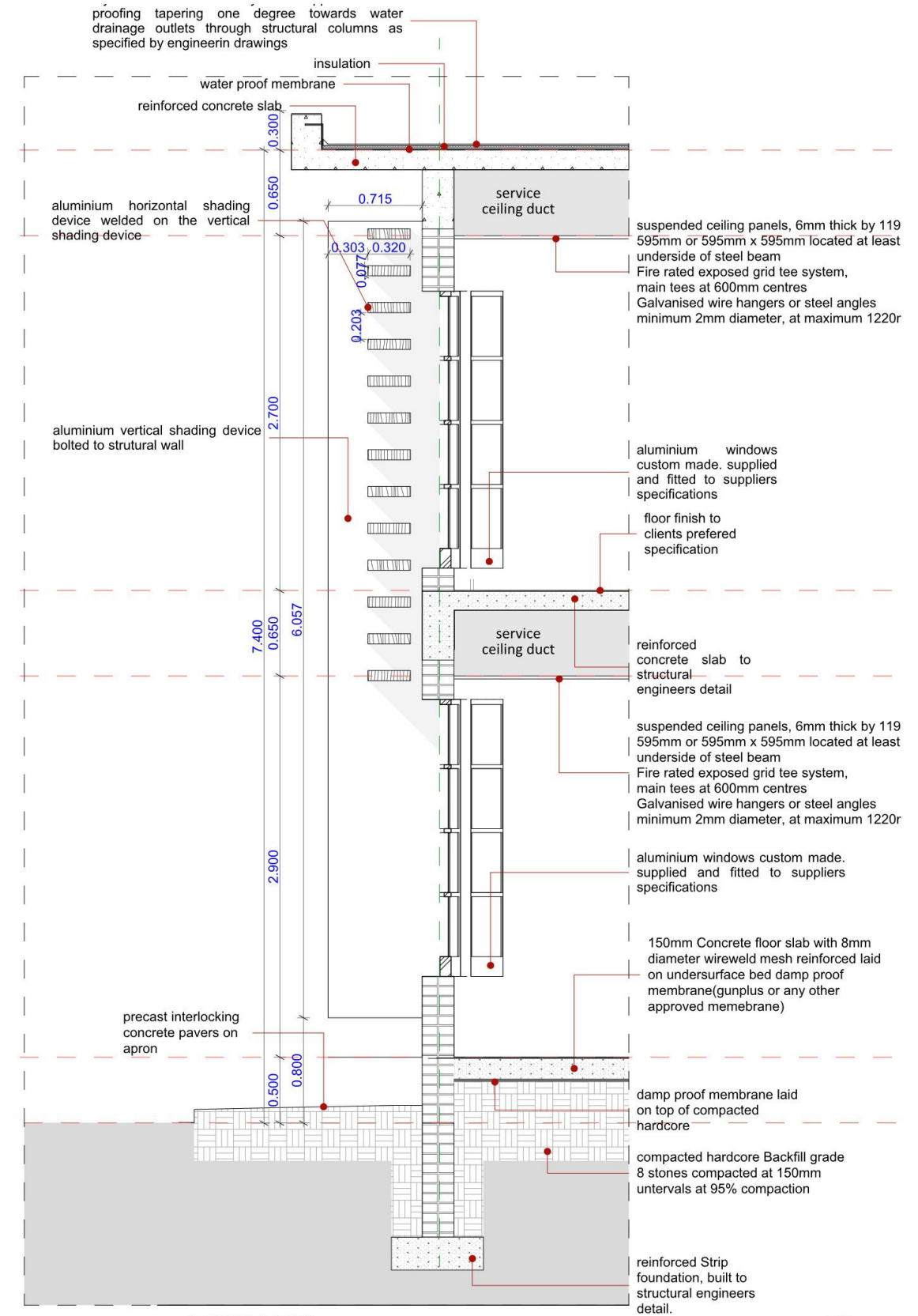


Fig 2.6: Detail 04 - Wall section, western facing facade with horizontal shading devices on the skin of the building

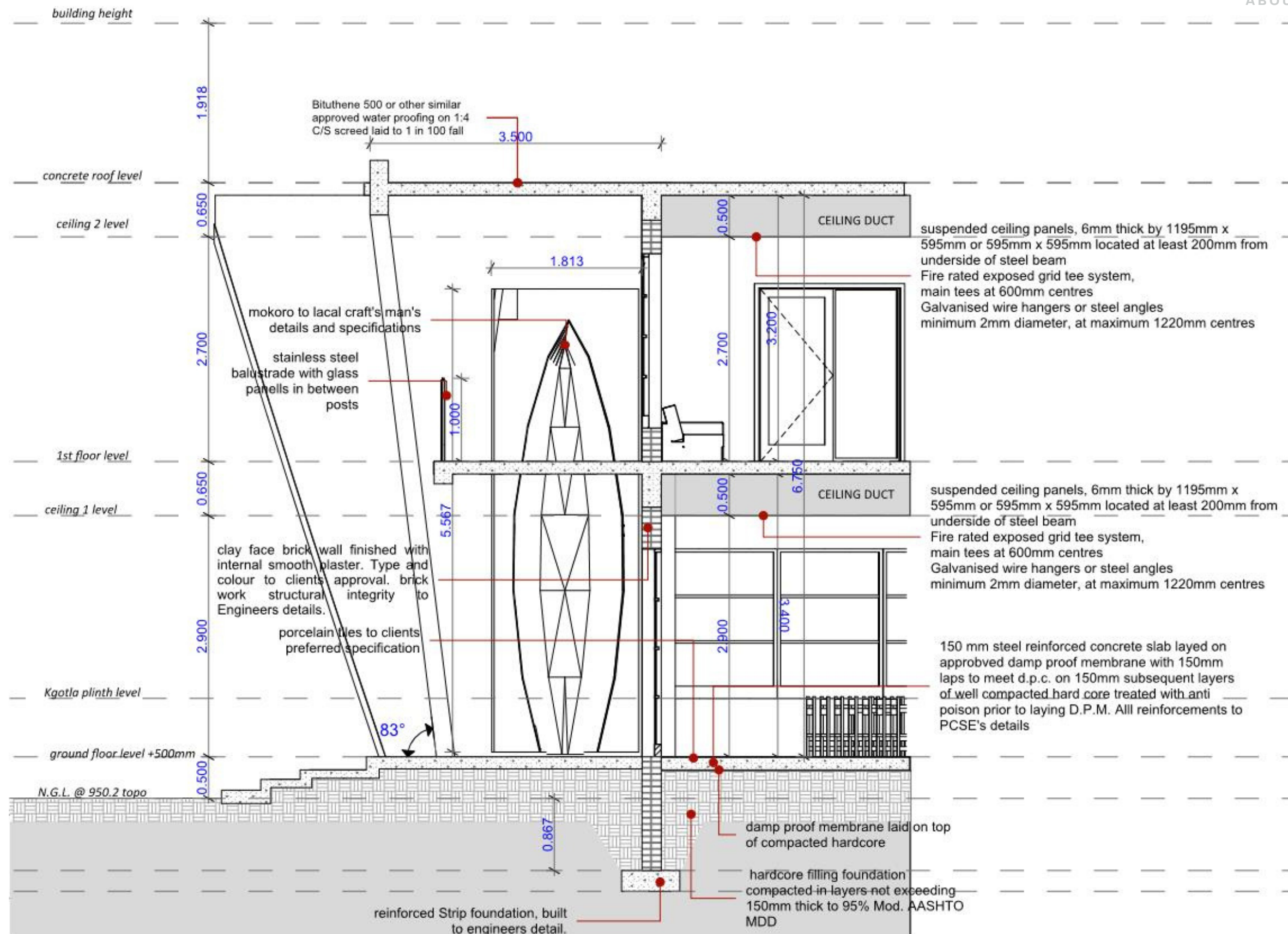
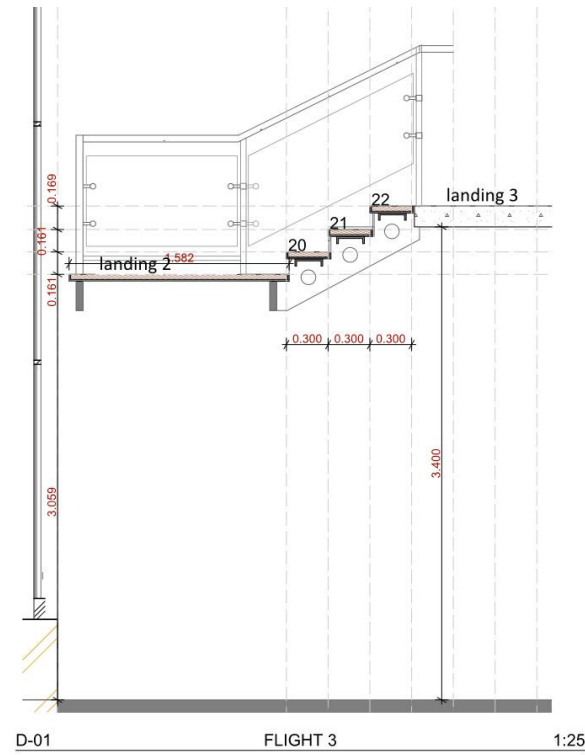
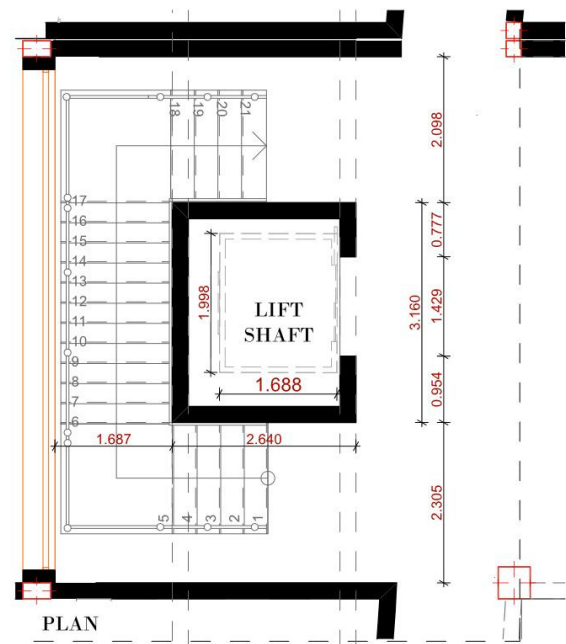


Fig 2.7: Section 02- Balcony detail through the conference and kgosikgolo office.



Stair Case Design

The staircase was designed in an area that is also meant to infiltrate light into the entrance lobby and waiting area. The design needed to be an open stair so as to achieve this. The material selected is of a natural feel so as to fit to the theme and setting of the building.

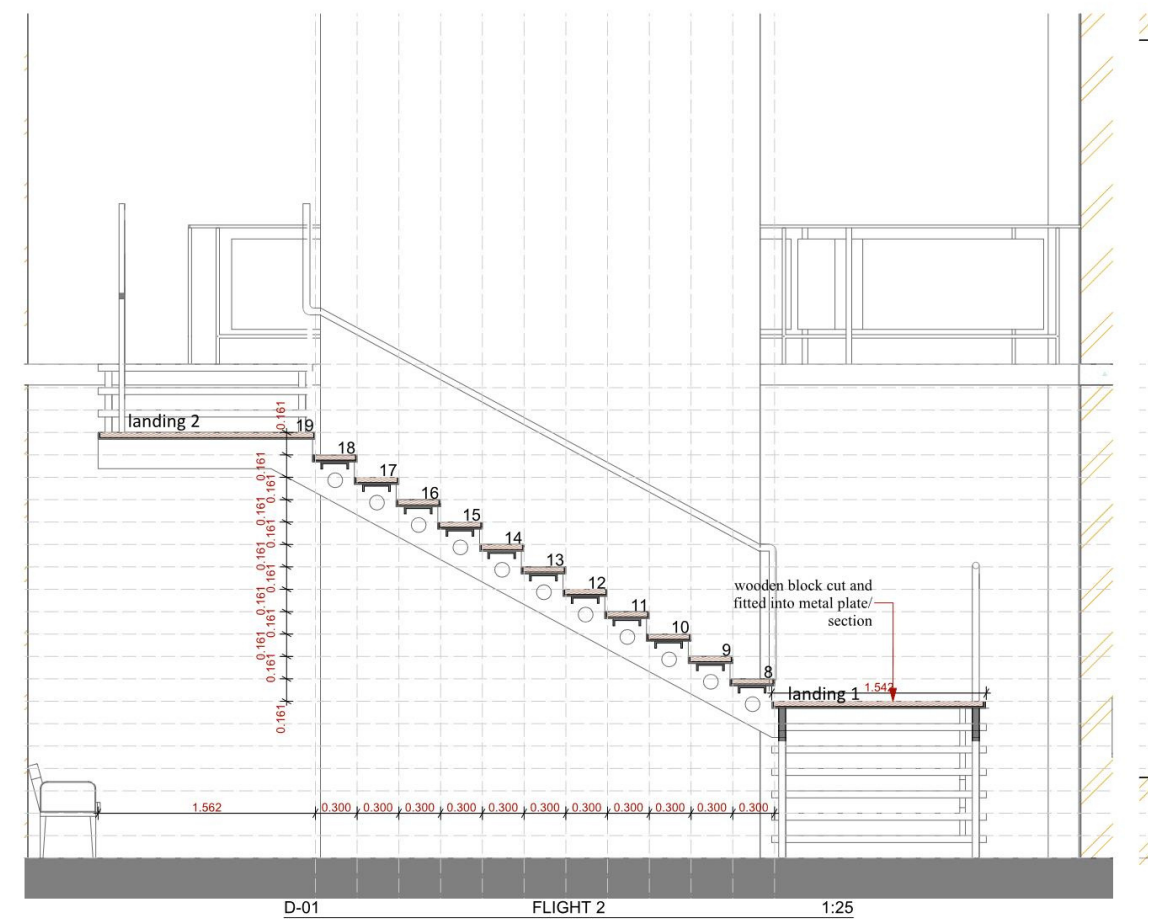
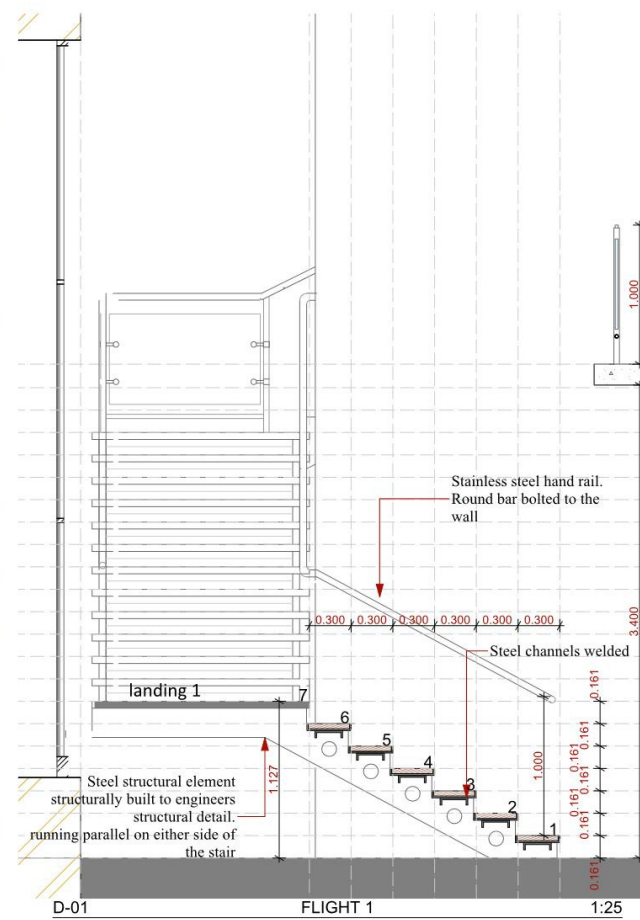
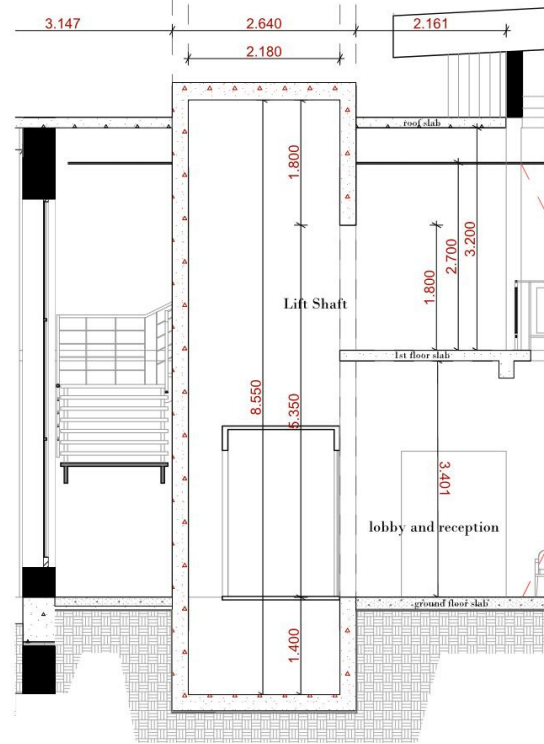


Fig 2.8: Staircase Design and Detail

Boundary Wall Design

The boundary wall was designed to mimic the materials that already exist on the kraal boundary and the other materials found in and around the customary court boundary. The stone borrows from the kraal, the Wood borrows from the logs that mark the kgotlana as seen on the site plan, the concrete brings a modern element of strength in the structure.

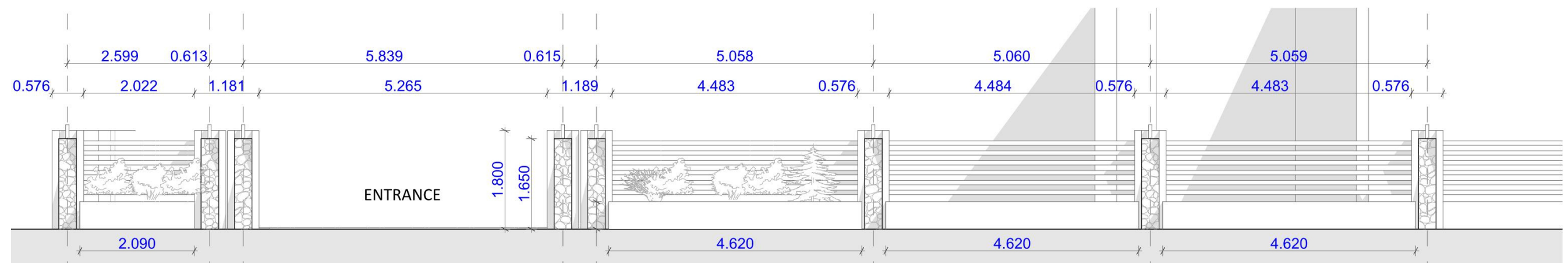


Fig 2.9: Boundary Wall Design and Detail - elevation

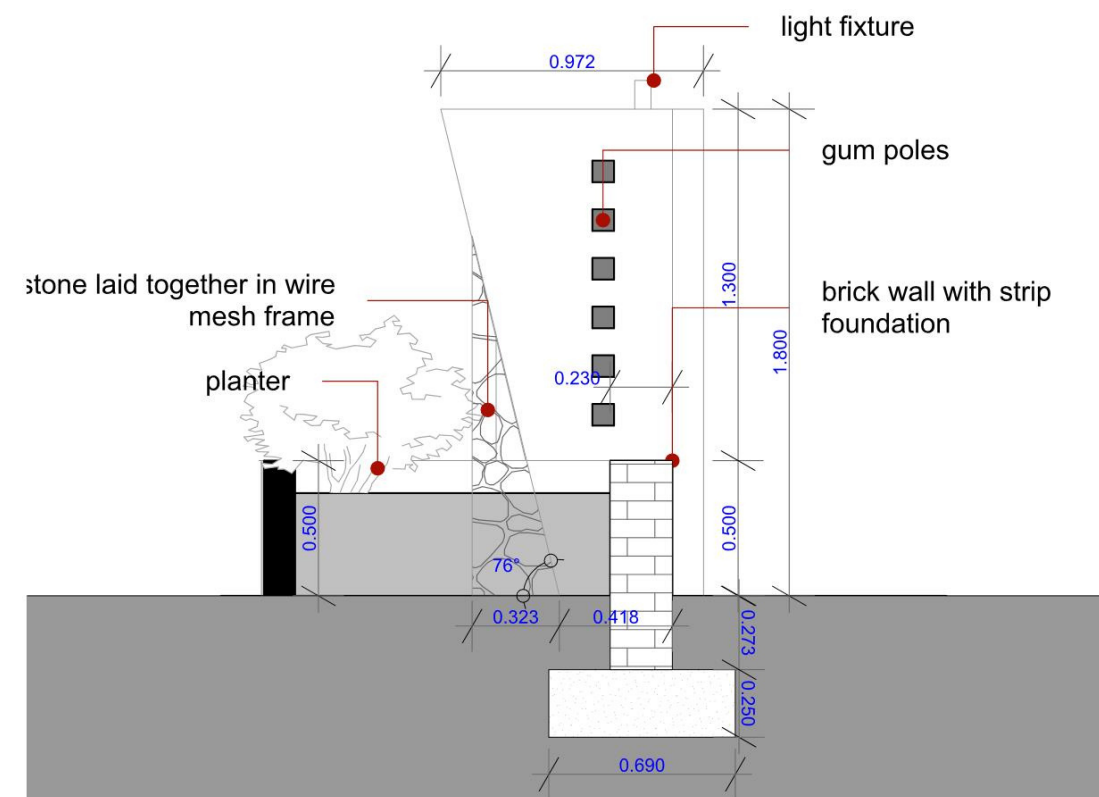
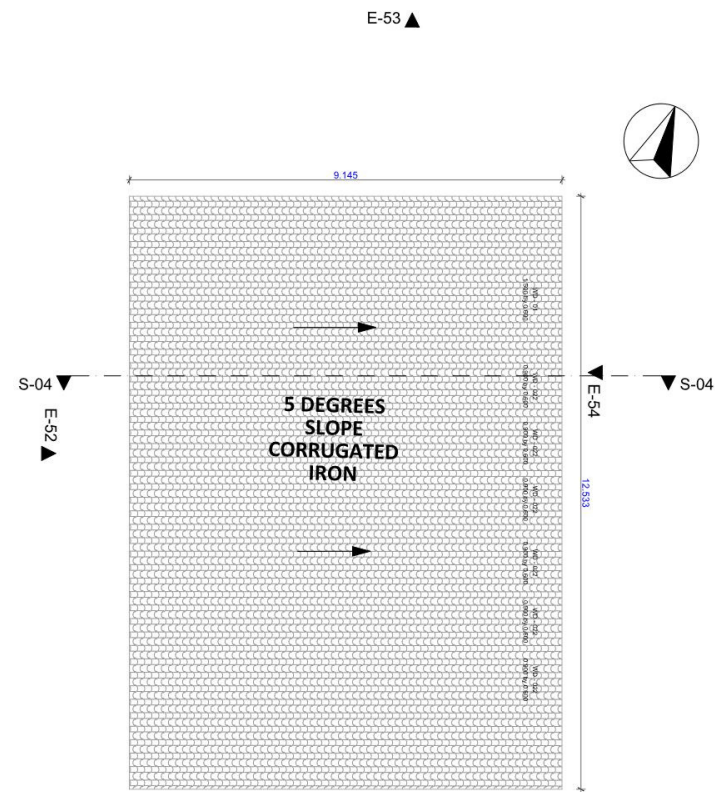
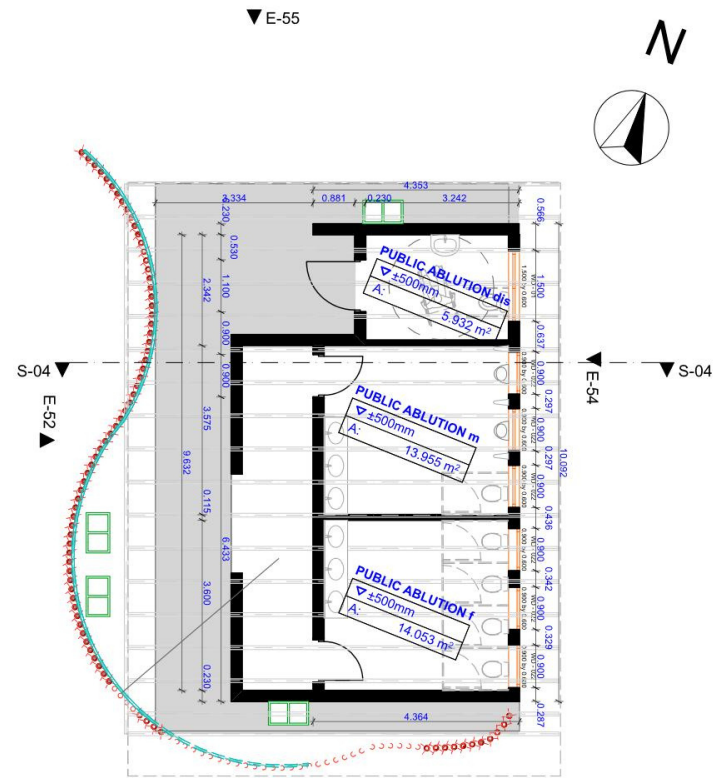
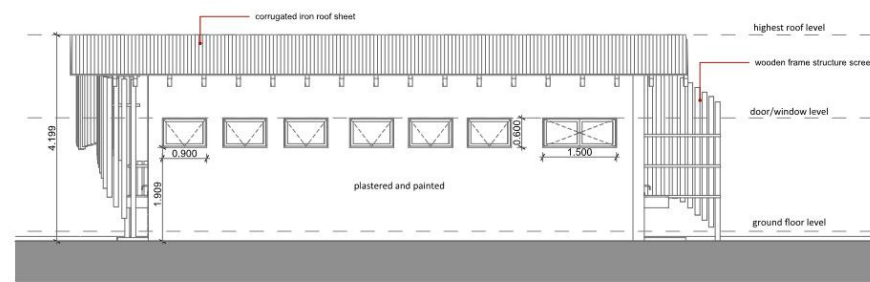


Fig 2.9.1: Boundary Wall Design and Detail - section

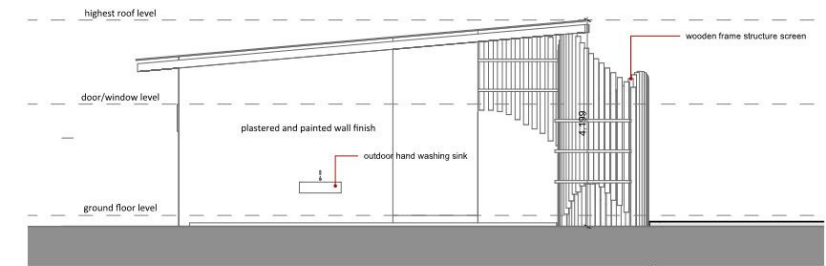
Ablution Block



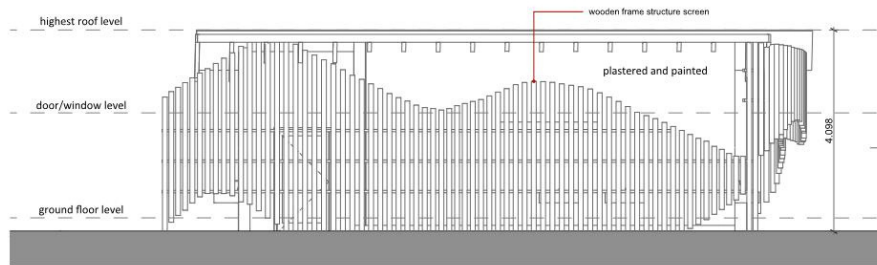
E-53 ▲



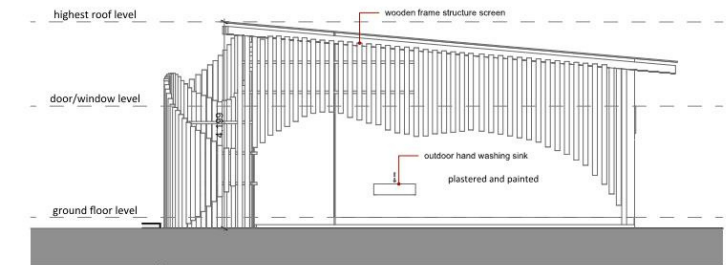
E-54 East Elevation 1:100



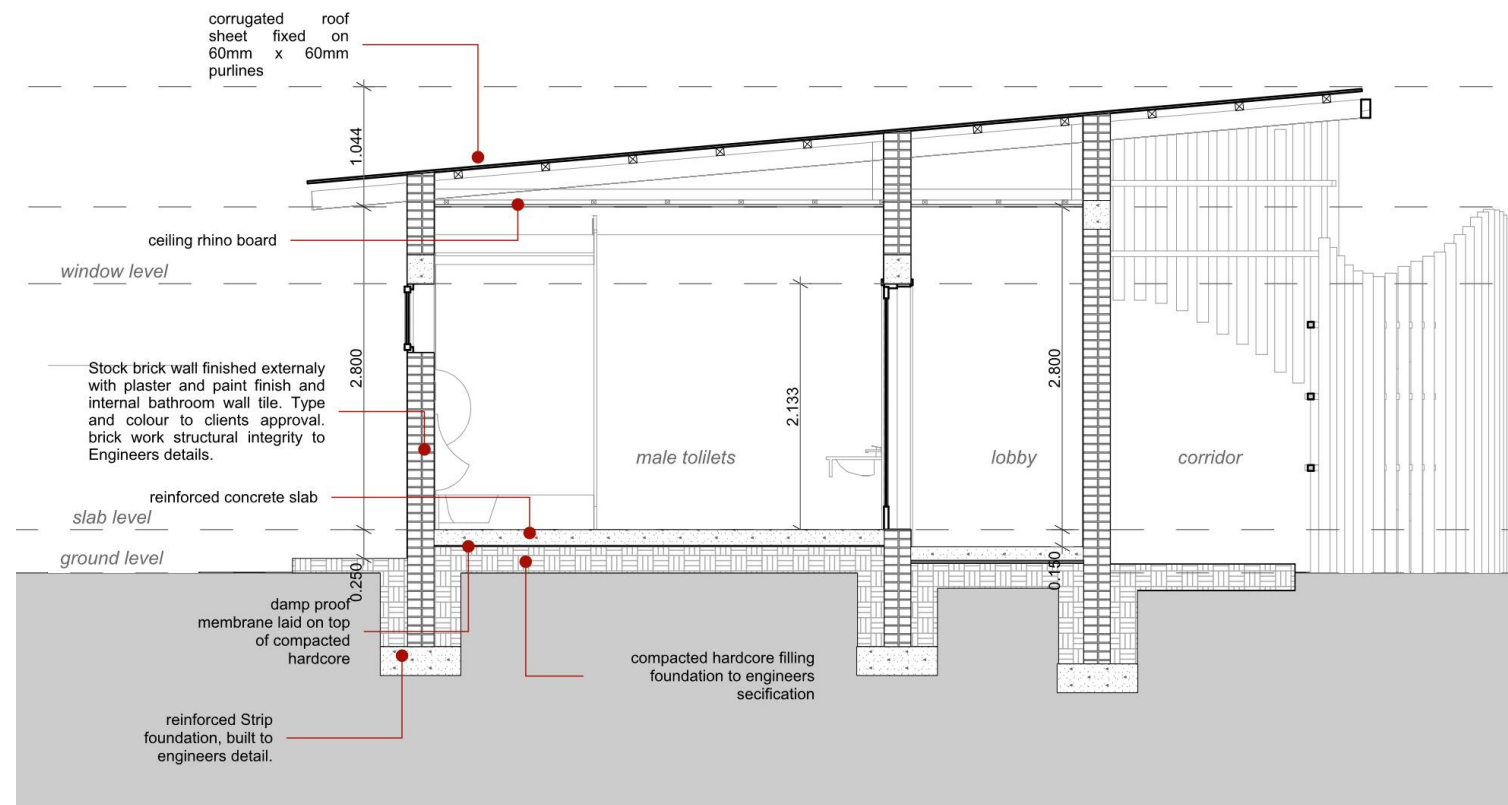
E-55 North Elevation 1:100



E-52 West Elevation 1:100



E-53 South Elevation 1:100



3

BTC - Jwaneng data Center



btc

Live connected.

Client: Botswana Telecommunications Coporation

Value:

Location: Jwaneng, MSU Plot 436

Description: Pre and Post cotract services for Design
and Build of The BTC Data Center

Design Proposal

The design of the data center was initially meant to retrofit the existing data center. Site investigations showed that the existing building was too weak to withstand any construction without it crumbling to dust.

A new proposal was made that could have modern edge and still serve its industrial use. The client enjoyed the idea of using shipping containers as an addition to the existing infrastructure.

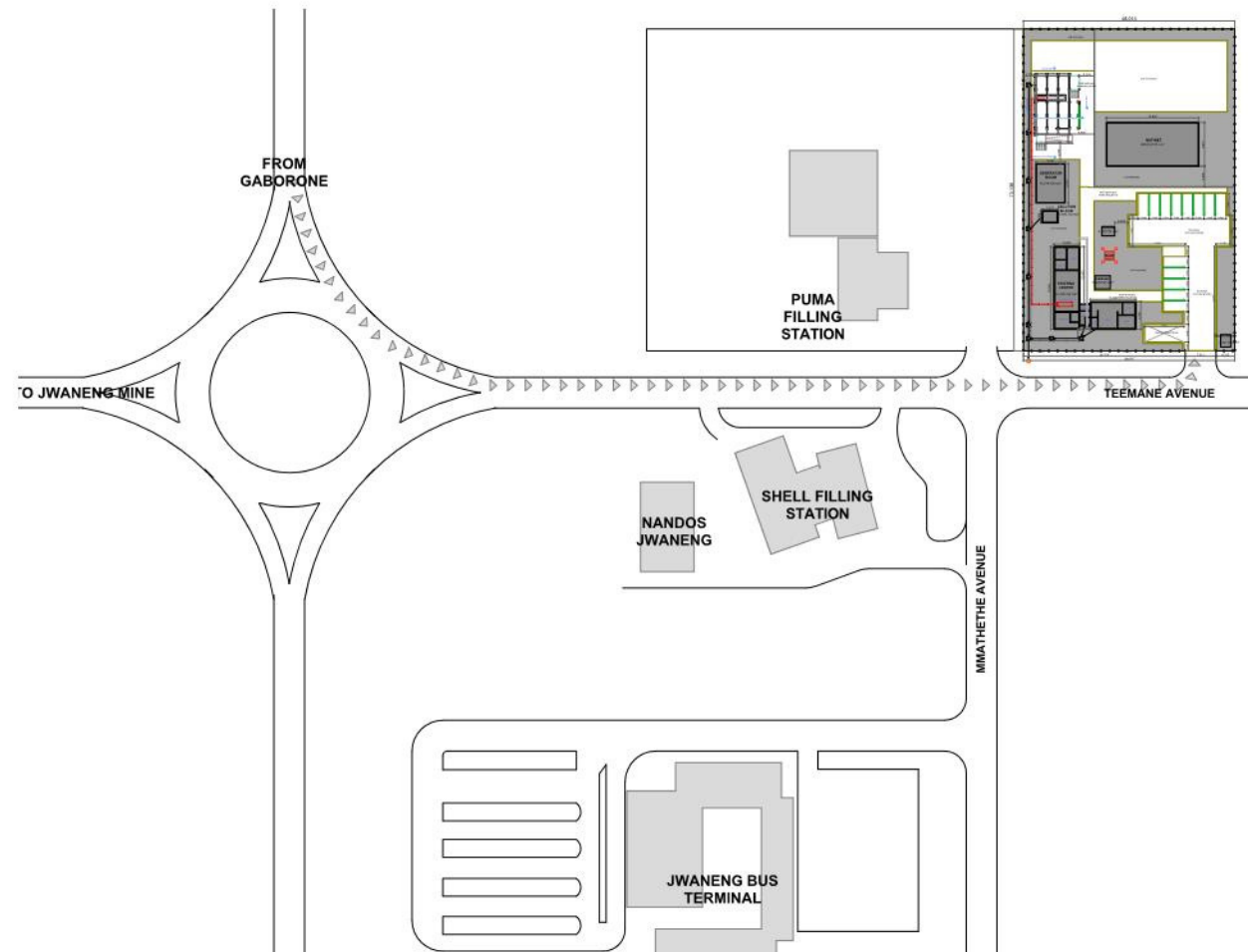


Fig 3.1: Site location map

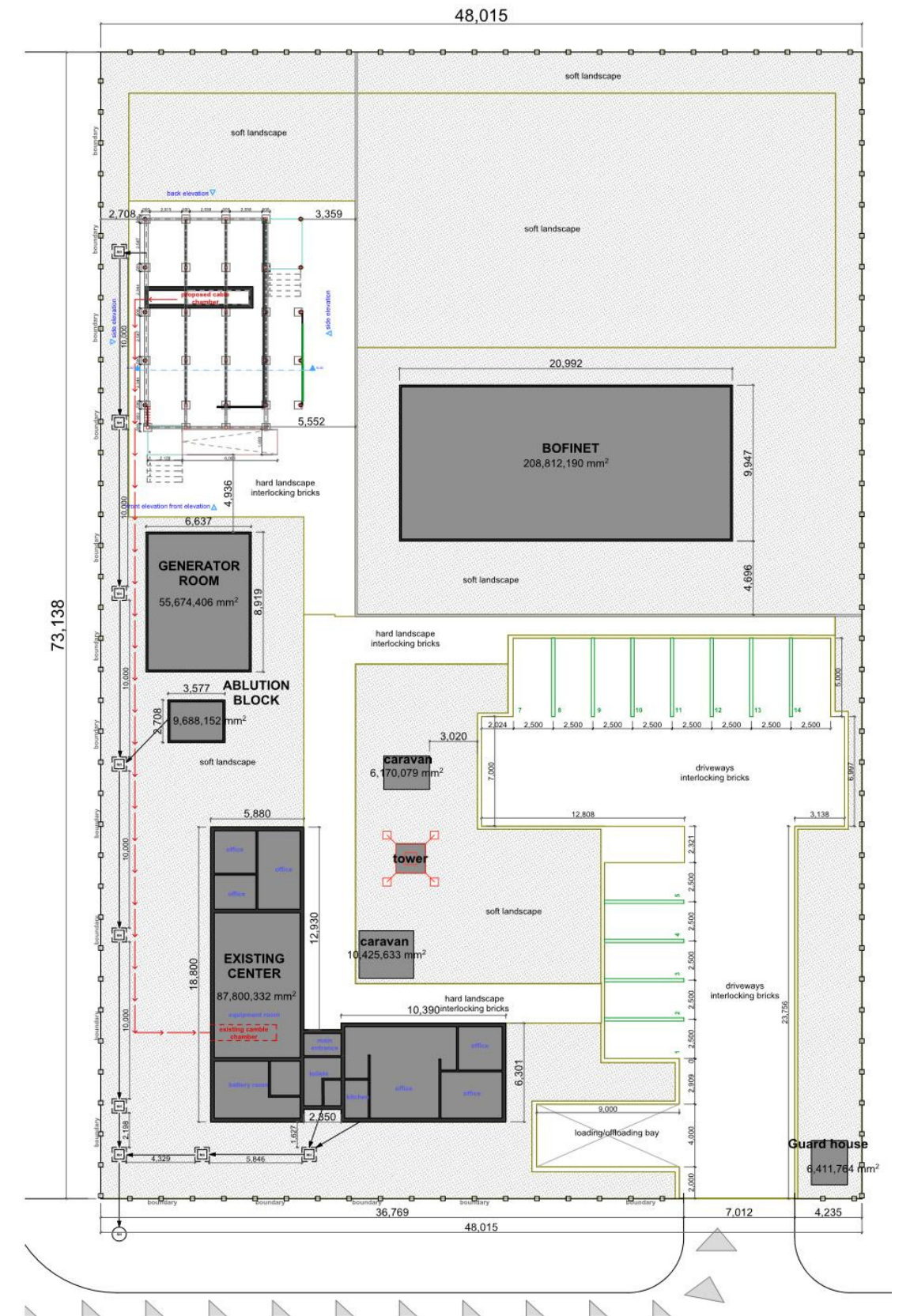


Fig 3.1.1: Site Plan

Design Layout

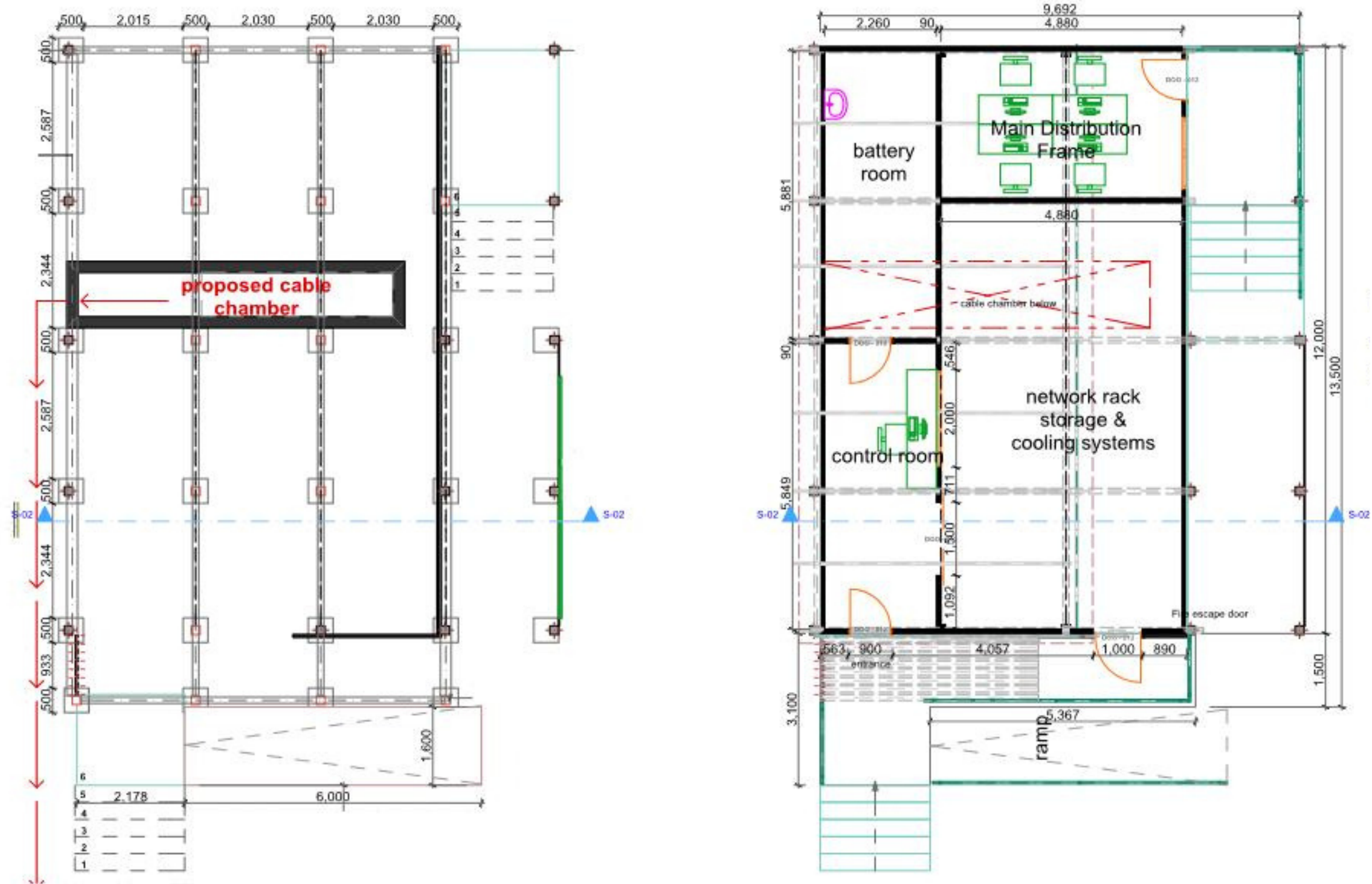


Fig 3.2: Structural layout (left) Floor Plan (right)

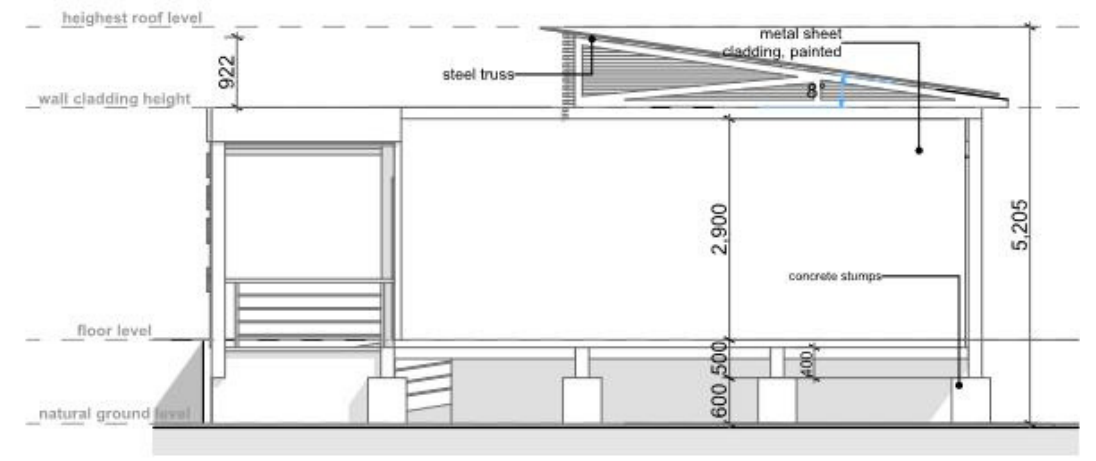
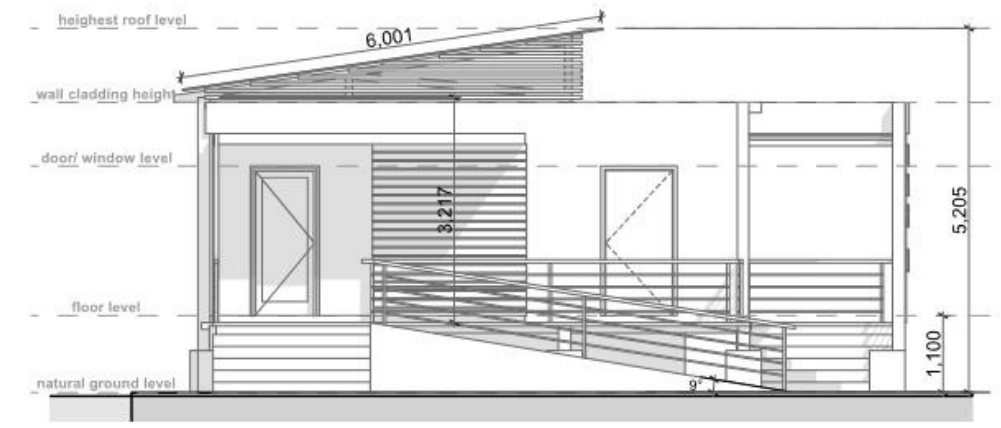
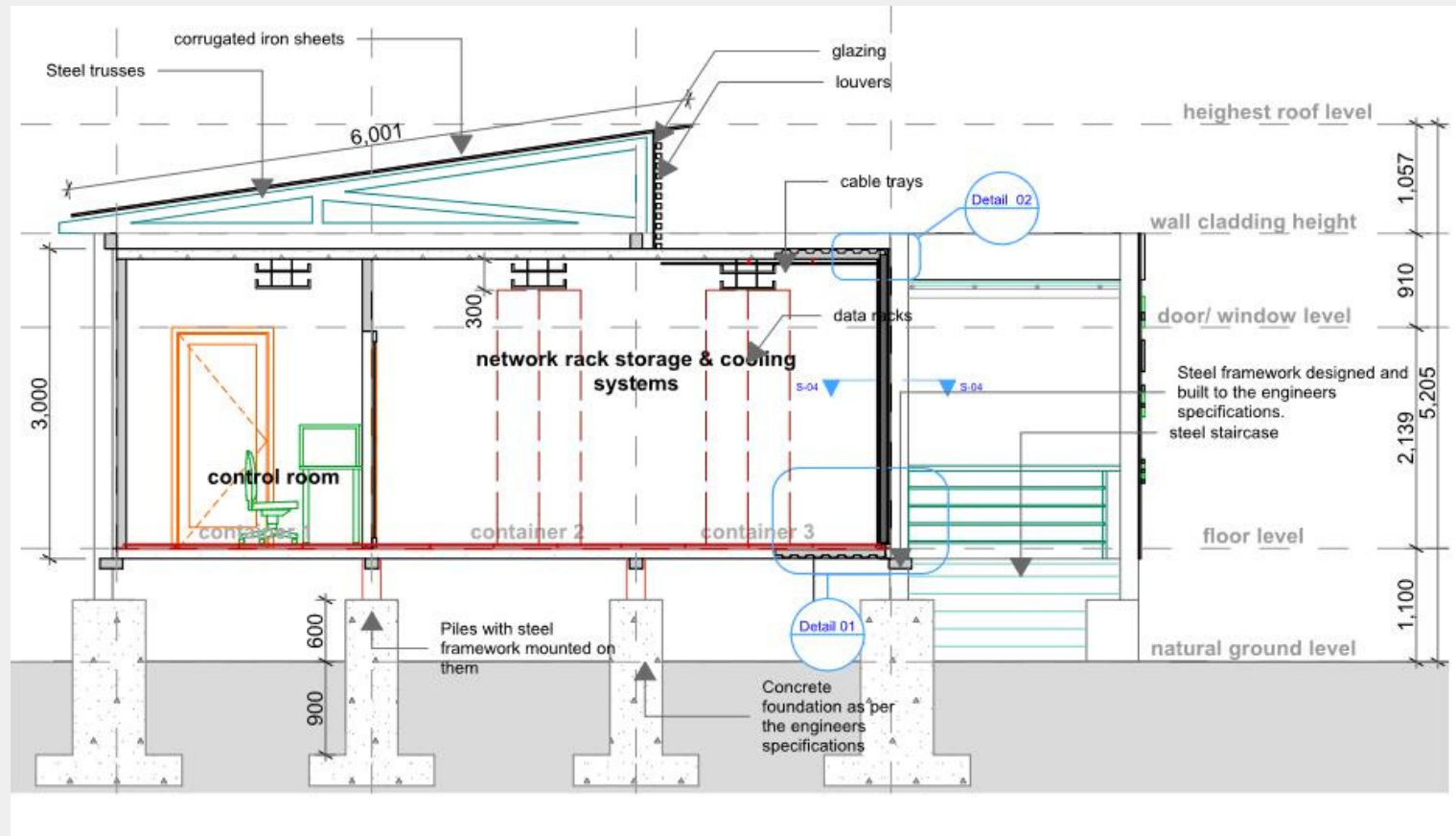


Fig 3.3: Data center cross section

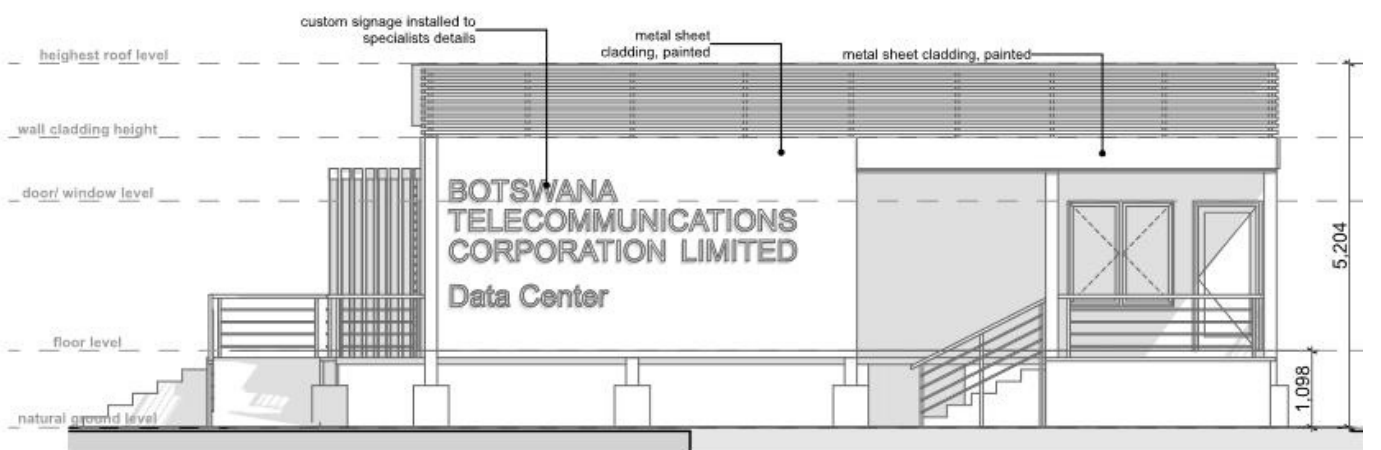


Fig 3.4: Elevations

Renders



Designing this data center required a great level of research as data centers seem to be very sensitive spaces to design. The consortium worked together efficiently to see this product realised to the achieved stage.

Skill Set in training:

1. Design
2. Client Interface
3. Presentation skills
4. leadership skills
5. rendering
6. drafting

As an architect you design for the present, with an awareness of the past, for a future which is essentially unknown

Norman Forbes

4

SSKIA- Boulevard One Monument



Client: Special Economic Zones Authority (SEZA)

Value: P1, 100, 000

Location: Airport City, gaborone

Description: Pre and Post contract services for Design and Build of a gateway monument.

Design Proposal

The design Proposal is for a gateway monument based at the main node of the airport city that leads you into a road named the Boulevard One. The monument was to be designed as a gateway into one of the districts in the masterplan for the airport city.

The client engaged a contractor, who was to design and build boulevard one and this contractor worked as a consortium where the architect was found to be a part of that team.

Skill set in training:

1. Client interface
2. Design
3. Presentation skills
4. Project mangement
5. Documentation of site progress through report writing
6. Leadership

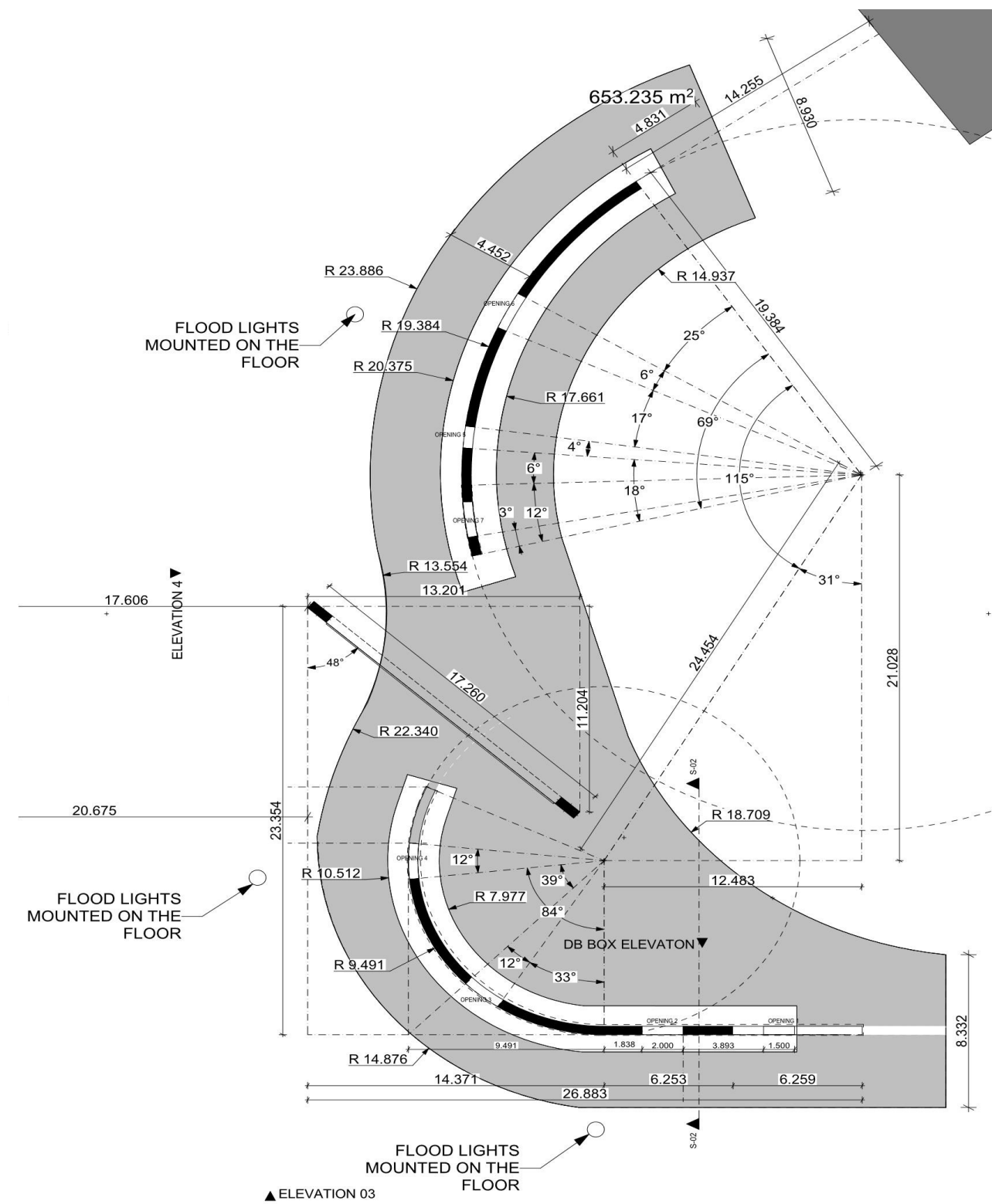


Fig 4.1: Monument Floor Plan

The Idea

The monument design was derived from the ideas of settlement as seen and experienced in Botswana. Dwarf walls and the post & beam structure characterize this design. The dwarf walls create threshold spaces that lead into other more private and habitable spaces while the post and beam act like a structural element.

In the case of this monument, the dwarf walls were exaggerated in height and decorated with circular openings. The post and beam in the monument provided an opportunity to mark and entry through the monument and finally into the designated district/precinct. The same structure offered an opportunity to introduce signage and therefore give the node a landmark as a gateway into the whole airport city.

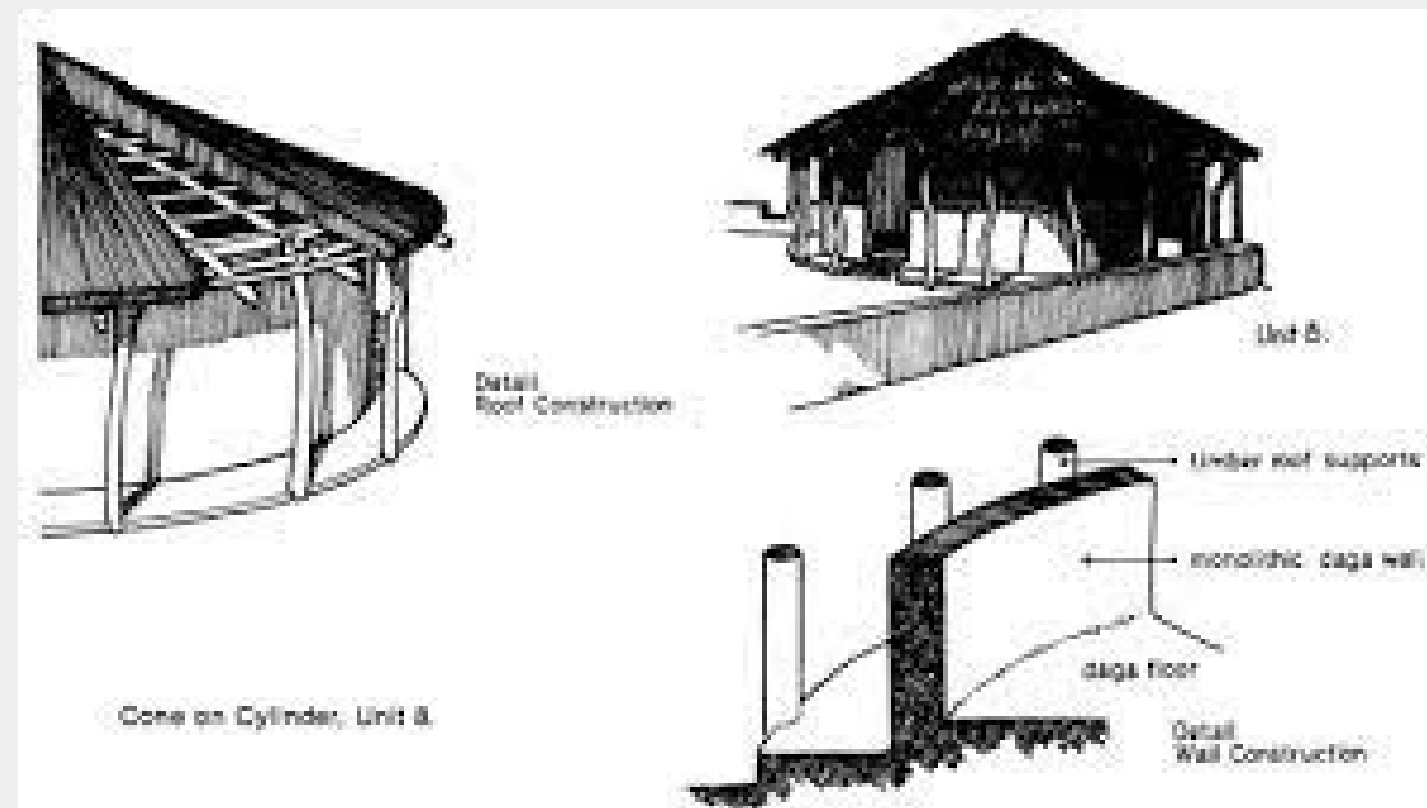


Fig 4.12 Tswana Construction, Source; Frescura 1981 : 59

Pre contract- construction drawings

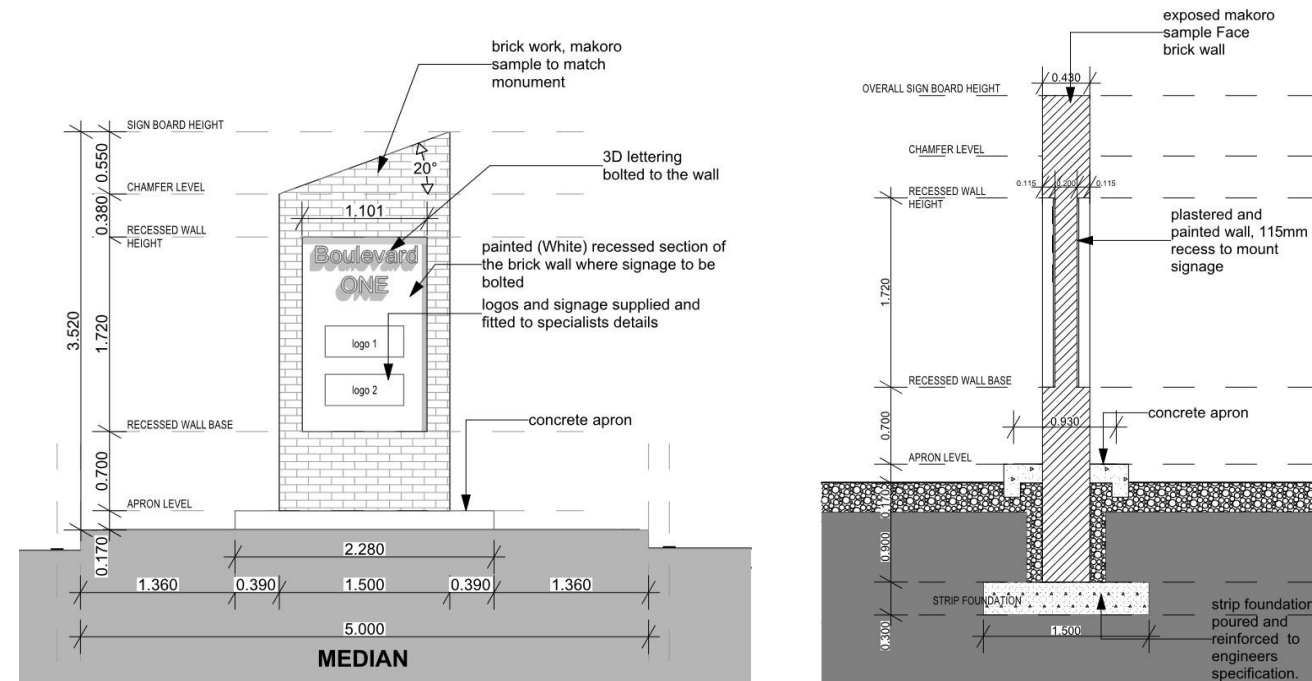


Fig 4.2: Median signage Detail

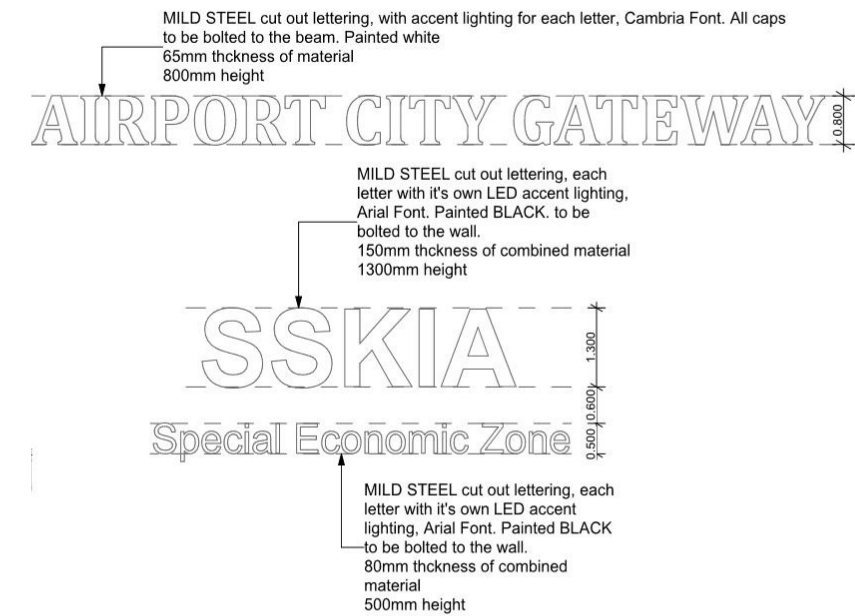


Fig 4.5: Signage details for manufacturing purposes

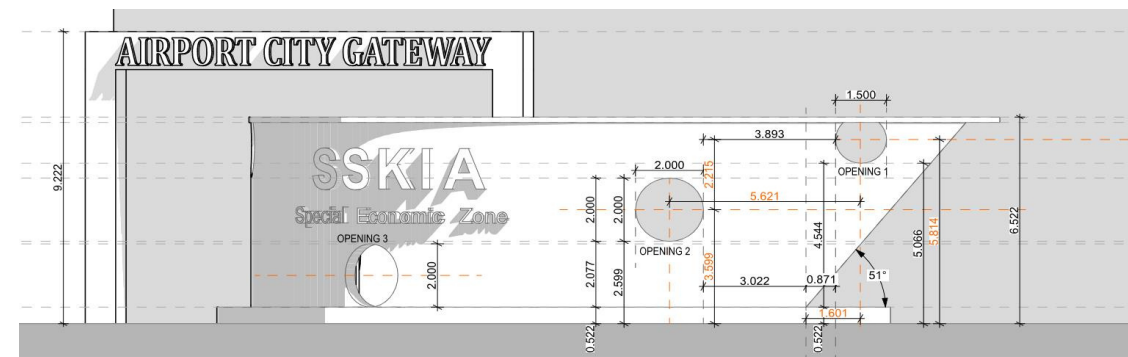


Fig 4.3: Gateway Monument Elevation 3

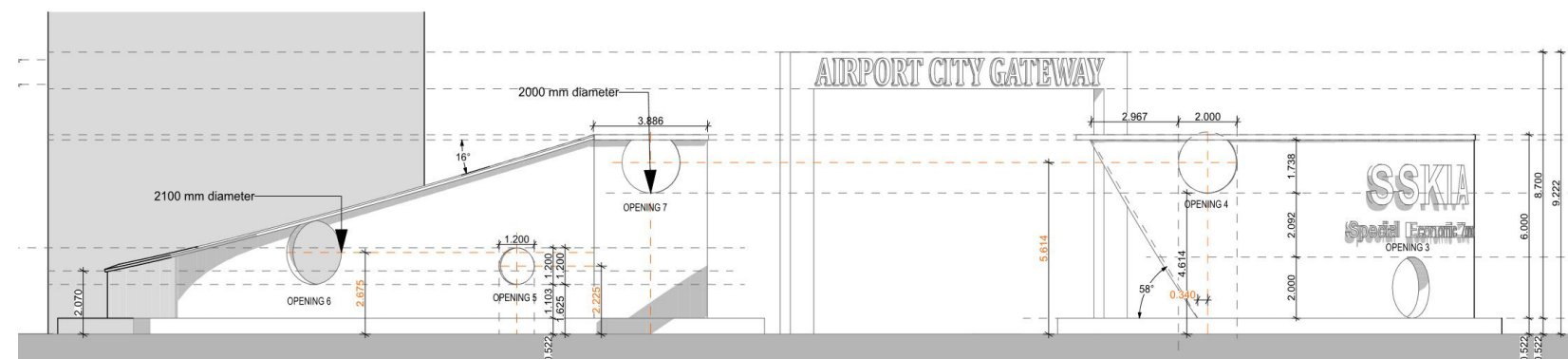


Fig 4.4: Gateway Monument Elevation 4

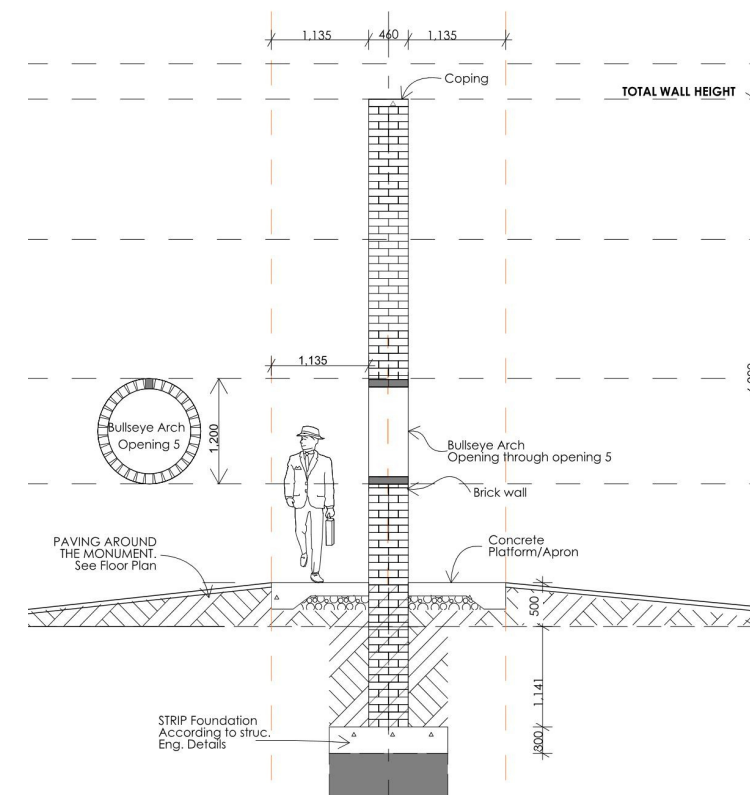


Fig 4.6: Gateway Monument cross section



Pre contract- renders

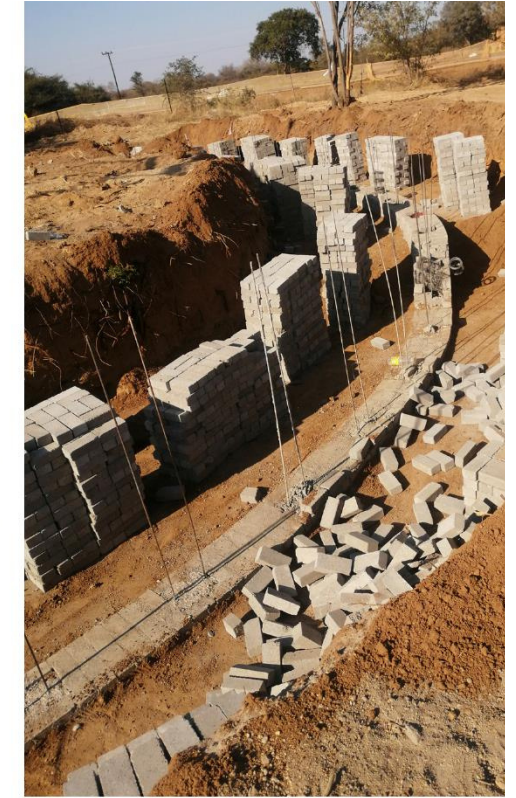
The renders show one of the many options that were presented to the client, that they finally got to approve.



Post contract- Construction & supervision

A site visit was conducted periodically to inspect construction milestones as per contacted engineers schedule. The monument had it's own milestones against the program of the construction of the entire boulevard.

All services that were designed and installed for the boulevard had to be coordinated with this proposed monument to ensure that everything was done sequentially with minimal abortive work.



Kill set in training:

1. Project management
2. Building Technology
3. Coordination of design and construction drawings (Drafting)
4. Setting out





Architecture is the reconciliation between ourselves and the world, and this mediation takes place through senses

Juhani Pallasmaa

5

Lobatse Special Economic Zone Masterplan



Client: Special Economic Zones Authority (SEZA)

Value: approx. P8, 100, 000.00

Location: Lobatse

Description: Service Contract for master planning of
Lobatse Special Economic Zone - Business case, Urban
& Landscape Design

Aerial View of the Lobatse Special Economic Zone



KEY URBAN DESIGN OBJECTIVES

The brief to the design team by SEZA had an expectation for the contracted design team to facilitate the establishment of a progressive SEZ at Lobatse that incorporates a healthy balance of work, live and play activities for all associated with the SEZ. The SEZ should therefore not only attract and sustain core meat and leather related industries, but be human-centric through provision of a range of designed spaces with diverse activities in mind.

This was a core function of SEZA's responsibility to Botswana and its people. Through aiming to achieve this, the road on which the team had set out was a conscious departure from the concept of an industrial park and first generation SEZ's. The function of developing coherent ideas around work, live play 'in context' was core to the discipline of urban design, which was founded to counter the sterility associated with mono-functional and segregated development.

The concept of mixed use in a SEZ was also founded on the belief that sophisticated investors of the type that Botswana were aiming to attract.

From an urban design perspective it boiled down to the fact that developing a successful SEZ is not only about building and providing service infrastructure and providing subdivided and serviced land, but to provide the recipe for appropriate and well timed investment in softer infrastructure and controls in the form of regulating the creation of good places, i.e. in the form of well connected, pedestrian friendly spaces, good building interfaces and good landscaping from the first day. A good definition of urban design that the design team had adhered to in their work as urban designers in the Lobatse SEZ was for them to optimise choice within the SEZ for the greatest amount of users.

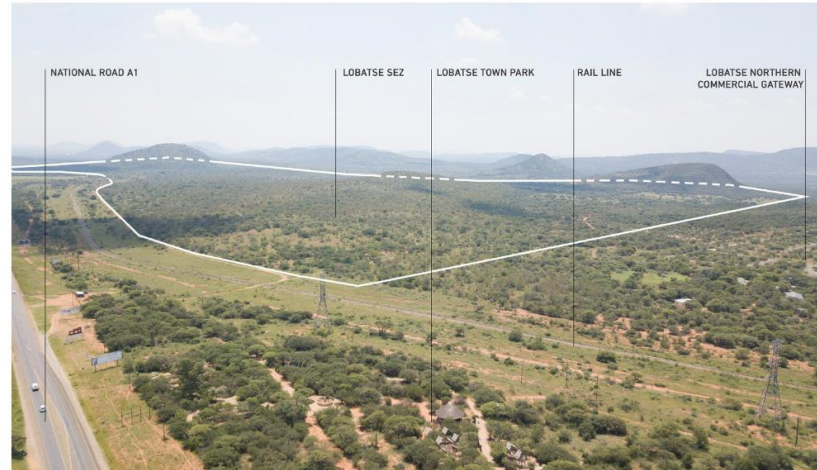
Whilst recognising the enormous potential of a sophisticated new SEZ developed to international standards as a national initiative to attract investment around the core functions of beef and leather in Lobatse, it remains important to be appreciative of the specifics of the context and its people as per the brief. By doing this the Lobatse SEZ will develop its own unique identity in relation to the other SEZ's proposed for Botswana.

These considerations are recognised and managed through the independent environmental and social engagement processes to which the team had responded to based on input received. From the urban design process it will be clear how physical and natural opportunities and constraints such as topography, spread of trees, catchments, wild life tracks had actively informed the definition of developable land and open space systems.

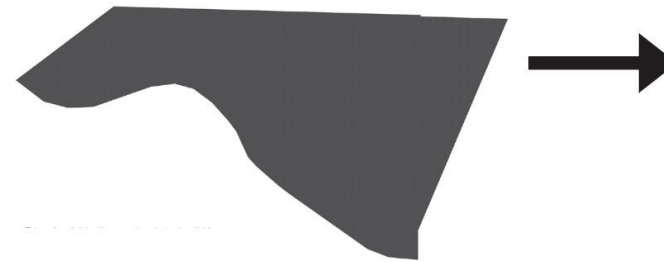
Much of this physical, site related work was done by the landscape architect, based on specialist input, which fed into the urban design process through an iterative process. The work presented in the master plan also demonstrates how the SEZ is not seen as a discrete entity, but a continuation of the Lobatse town and as a reinforcement of the connectivity network of the Lobatse Regeneration plan of 2018.

THE LAYERED URBAN DESIGN PROCESS SHOWN IN SEQUENCE

A LAYERED MAPPING RESPONSE: THE WHOLE IS GREATER THAN THE SUM OF ITS PARTS



SEZA BRIEF + URBAN DESIGN PRINCIPLES



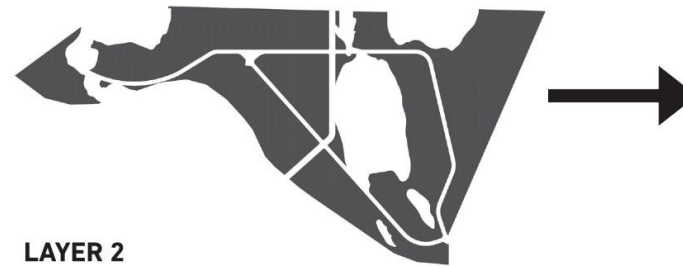
PHYSICAL SITE ANALYSIS



INPUT FROM BASE STUDIES/TECHNICAL REPORTS



LAYER 1
Define and subtract steep topography.



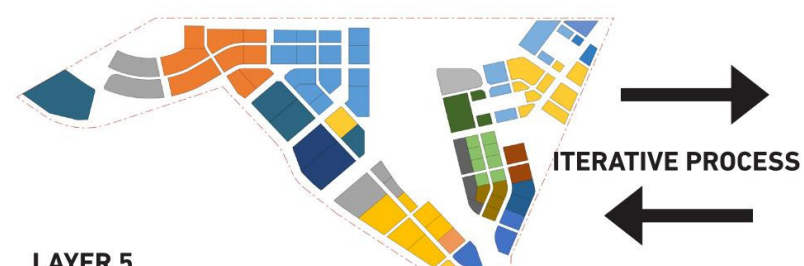
LAYER 2
Define and subtract primary road reserves.



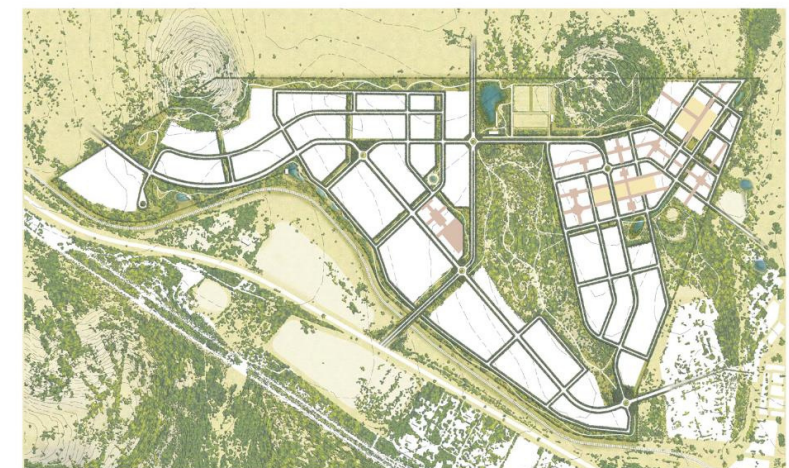
LAYER 3
Define and subtract secondary road reserves.



LAYER 4
Define and subtract open space network.



LAYER 5
Overlay land uses as per business case.



DRAFT FINAL URBAN DESIGN AND LANDSCAPE ARCHITECTURE FRAMEWORK



6

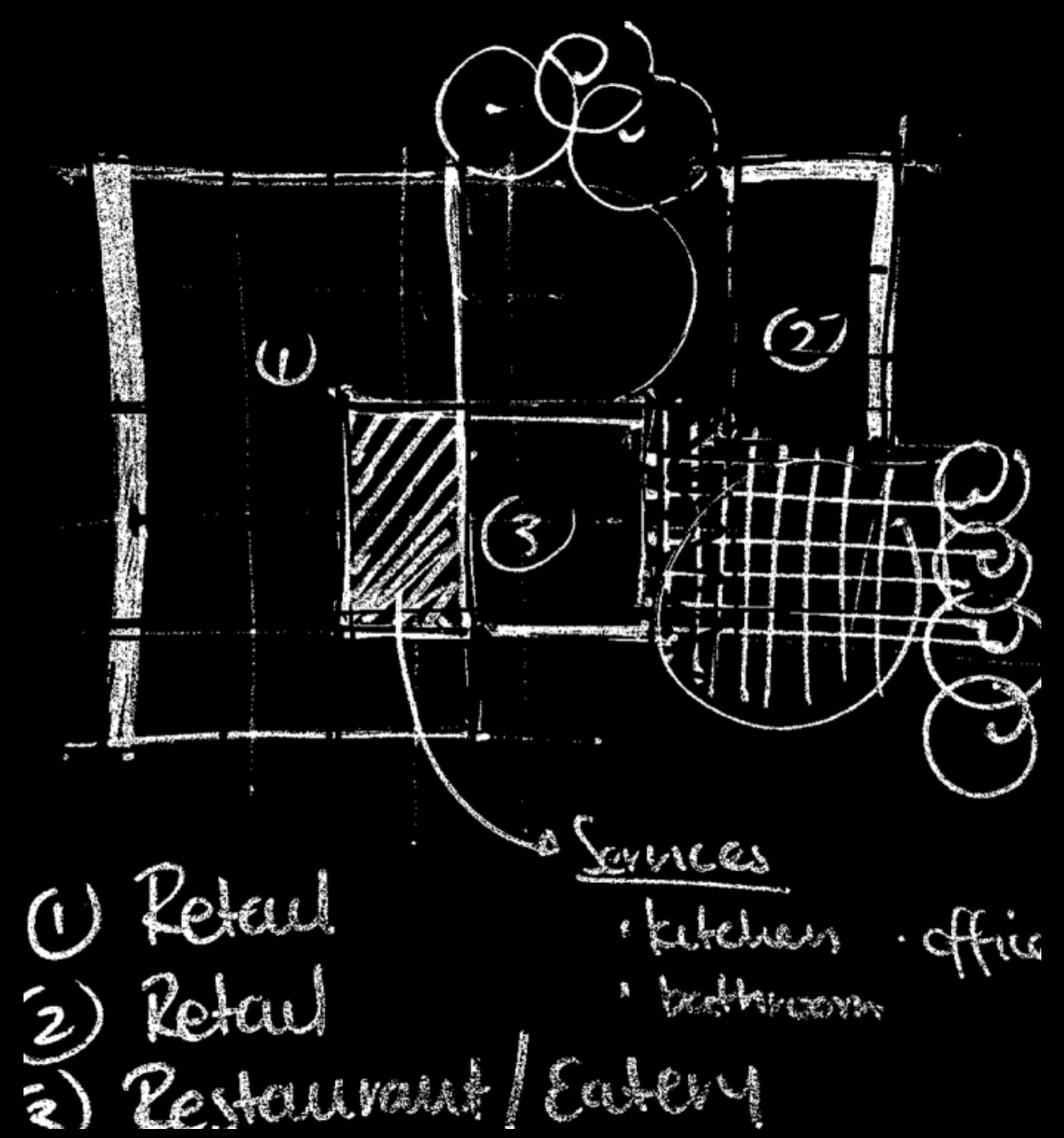
Kanye Sejelo Mall

Client: Mrs. G. Masire - Mwaamba

Value:

Location: Sejelo, Kanye

Description: Pre contract proposal for a mall. Design to be submitted to Council and finally used to seek funding and potential investors.



The Idea

KY Park is designed to be an adaptive composition of spaces. It primarily functions as a retail complex where its central space is a semi outdoor eatery, surrounded by trading units that can be rented out by local businesses of Kanye.

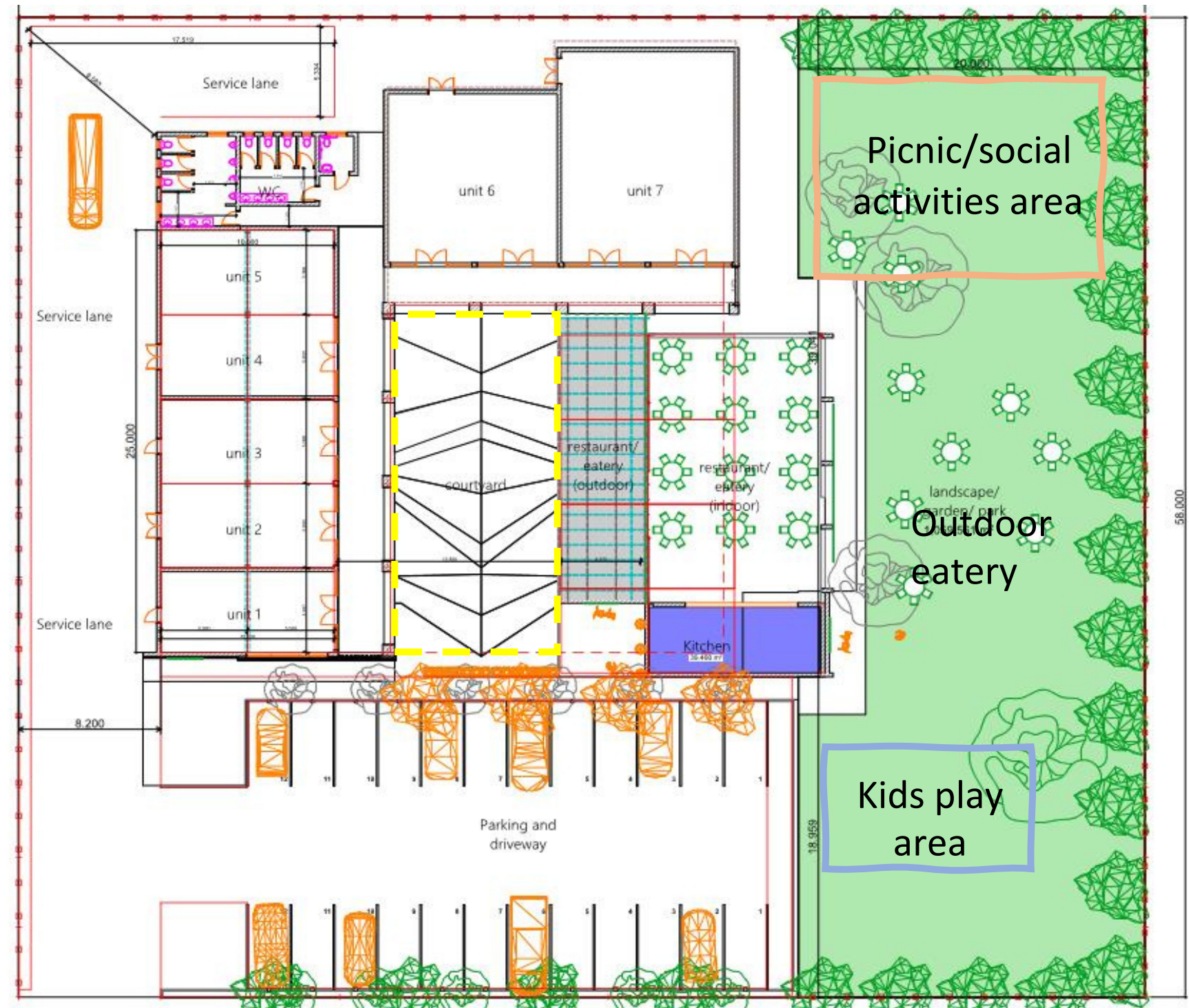
In duality, or in another setting, this complex could serve as a training center where the units can function as training rooms and the eatery could serve the people occupying those spaces, as well as the public.

Site Plan

The development will be built in what we propose to be an “Urban park”.

The Urban park will be the face of the development. The eatery has an opportunity to spill out to the urban park. The park can host social events, it can have a zone for children’s play area, and other social activities

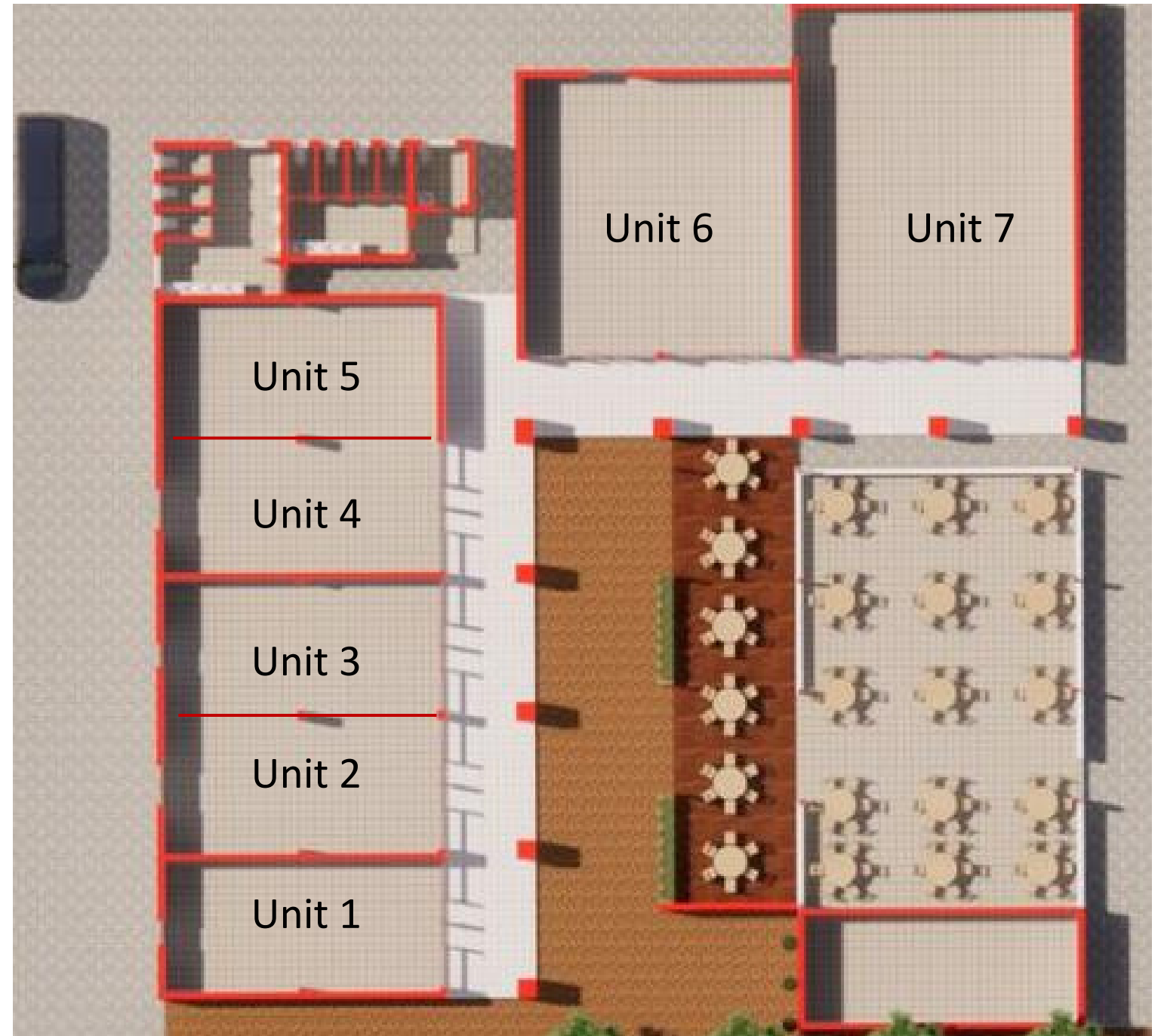
The retail spaces will share a courtyard (dotted outline), this courtyard can also function as a market space on an occasional basis.



Floor Plan

The units labelled 1- 5 are flexible units. There are walls that can be collapsed to create bigger rooms. This will be the best adaptation to a function where the training will be taking place.

Different numbers of people can be taken and rooms can accommodate those through this concept of collapsible walls. Re dividing the space can create smaller more intimate spaces that will perform like seminar rooms.



Renders

KY Park will present spaces where people can interact with the building to create memories with their loved ones. This space could transform into a marketplace occasionally to give the KY Park a sense of identity and also give an opportunity for the public to showcase their products and play a role in the social transformation of the space.





Approach from parking and driveway

7

BNOC-
Multipurpose
Development



Client: Botswana National Olympic Committee
Value: approx. P10, 000, 000.00
Location: Block 6, Gaborone
Description: Pre and Post contract services for Design
and supervision of BNOC Multi Purpose facility

Site Location Plan

The site is located in the heart of Block 6 (shown in red), in Gaborone. It is surrounded by multi-residential plots and is adjacent to a commercial zone that is notorious with liquor restaurants and a supermarket.



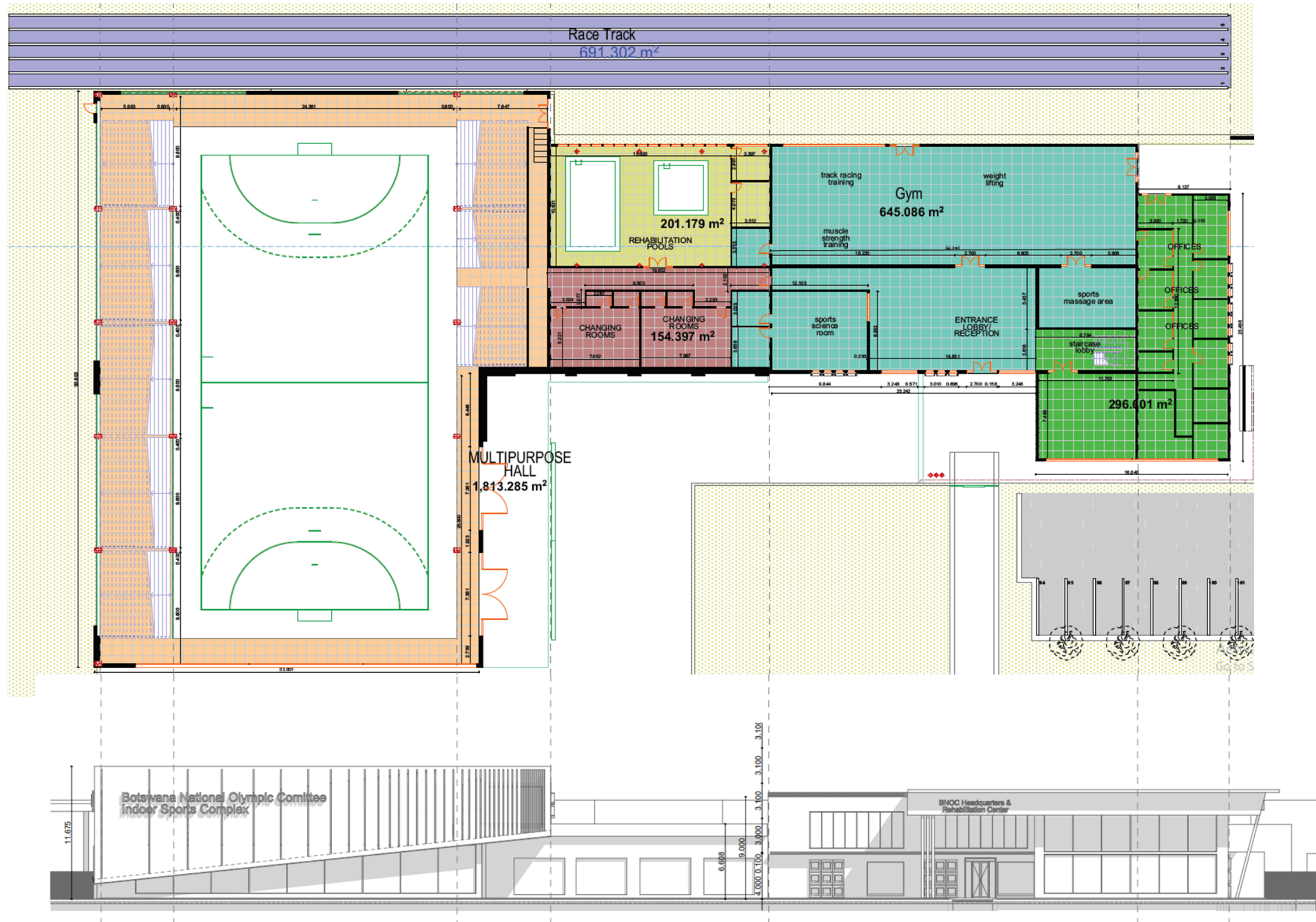
Site Plan



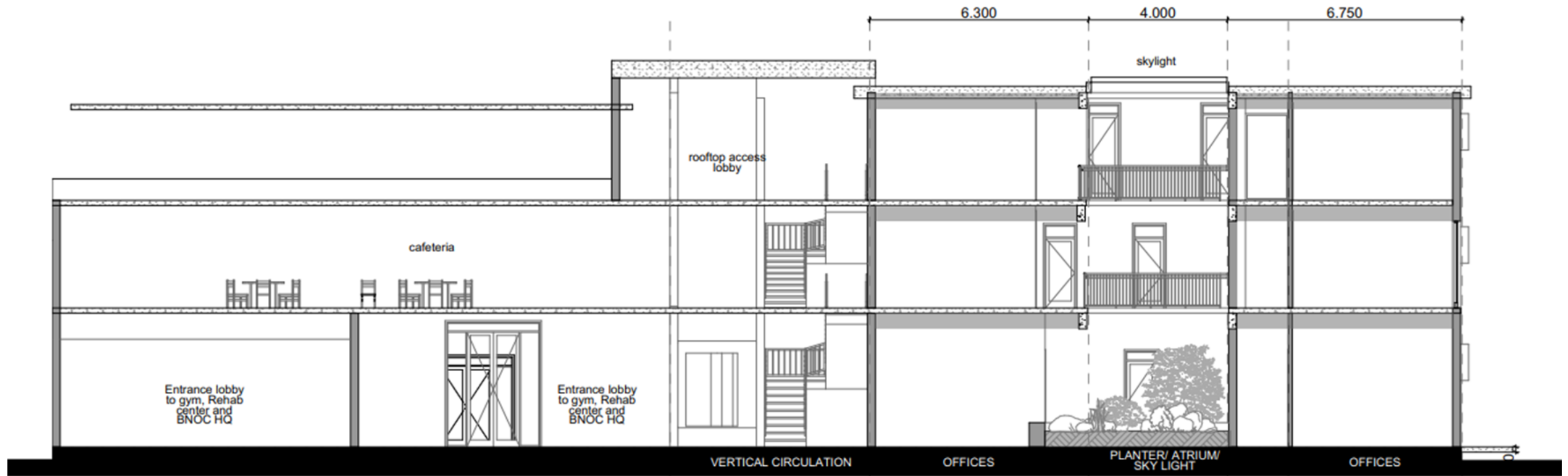
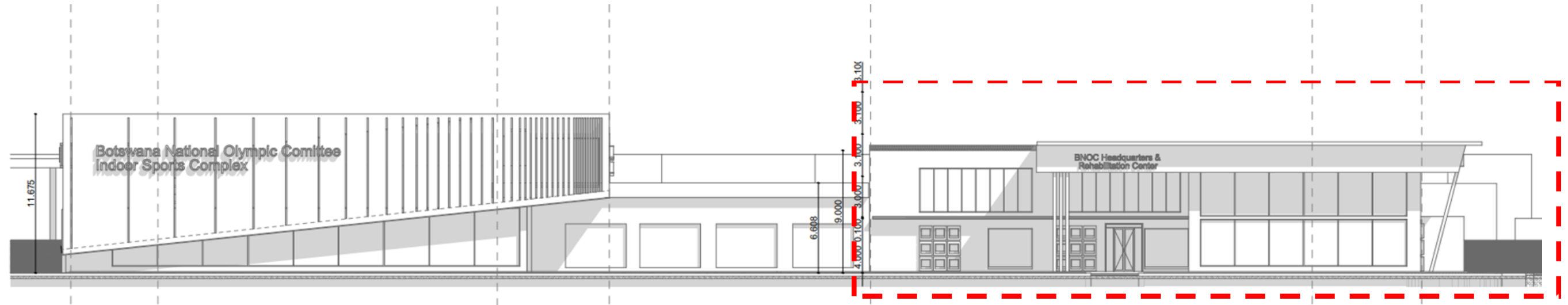
Renders of the development



Multipurpose hall/ Gym/ BNOC Headquarters office



Phase 1- BNOC Headquarters Office Block



Phase 1- BNOC Headquarters Office Block



Architecture is a visual art and the buildings speak for
themselves

Julia Morgan



8

DBES - Office of the Ombudsman

Client: Ministry of Infrastructure - Department of
Building and Engineering services

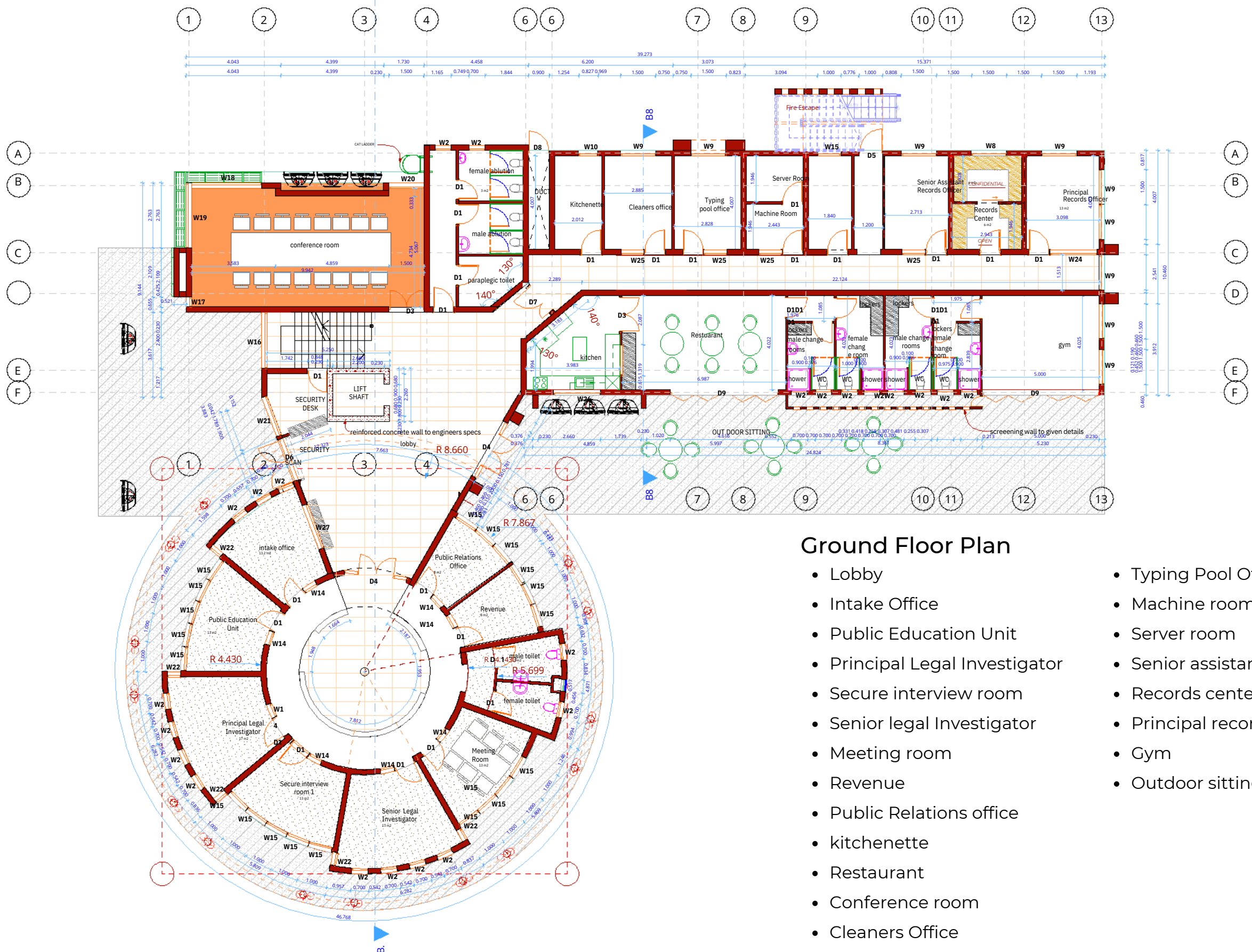
Value: P 4, 917, 180.20

Location: Maun

Description: Pre and Post contract services for Design
and Construction Supervision of the office of the
Ombudsman in Maun.

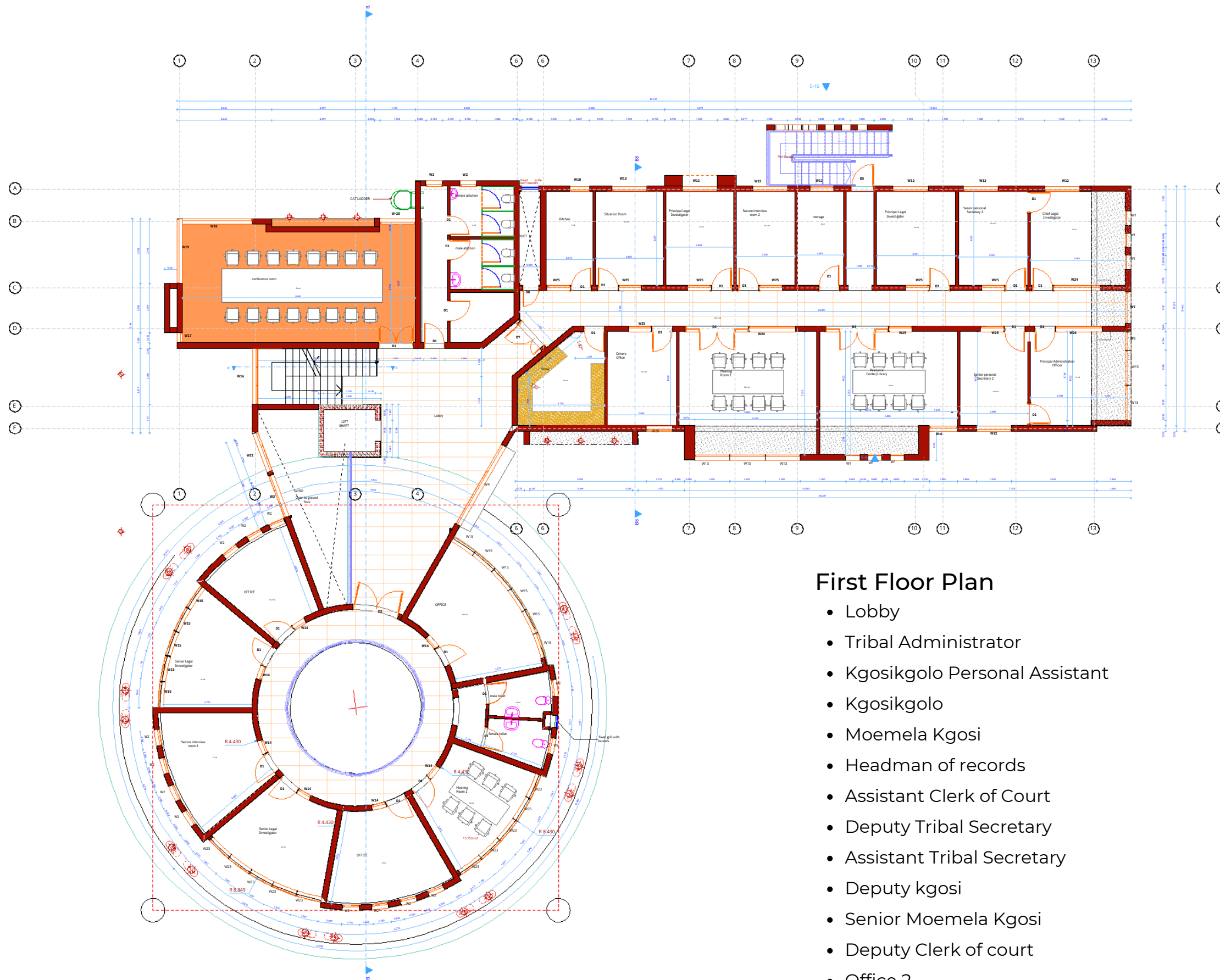
Rendered Front Elevation





Ground Floor Plan

- Lobby
- Intake Office
- Public Education Unit
- Principal Legal Investigator
- Secure interview room
- Senior legal Investigator
- Meeting room
- Revenue
- Public Relations office
- kitchenette
- Restaurant
- Conference room
- Cleaners Office
- Typing Pool Office
- Machine room
- Server room
- Senior assistant records officer
- Records center
- Principal records officer
- Gym
- Outdoor sitting area



First Floor Plan

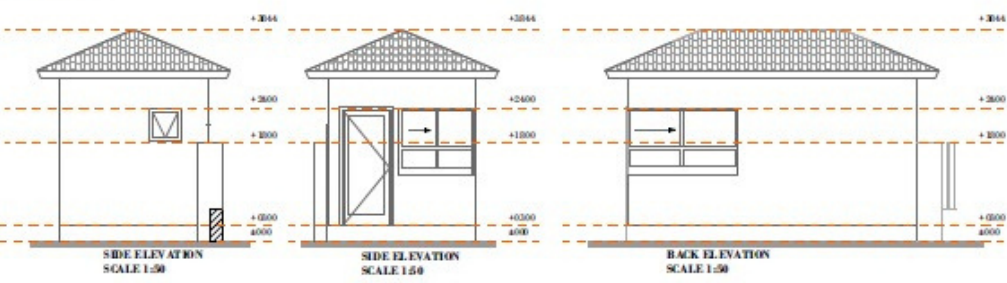
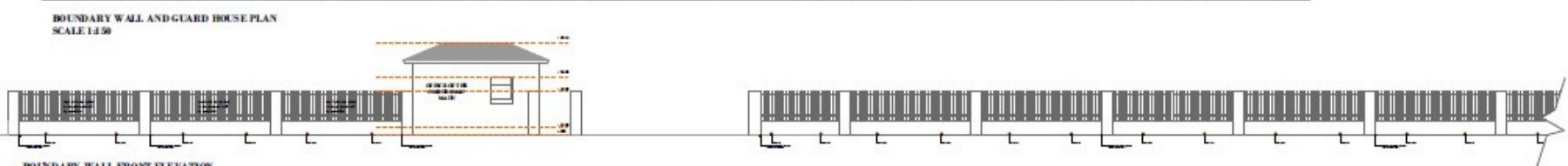
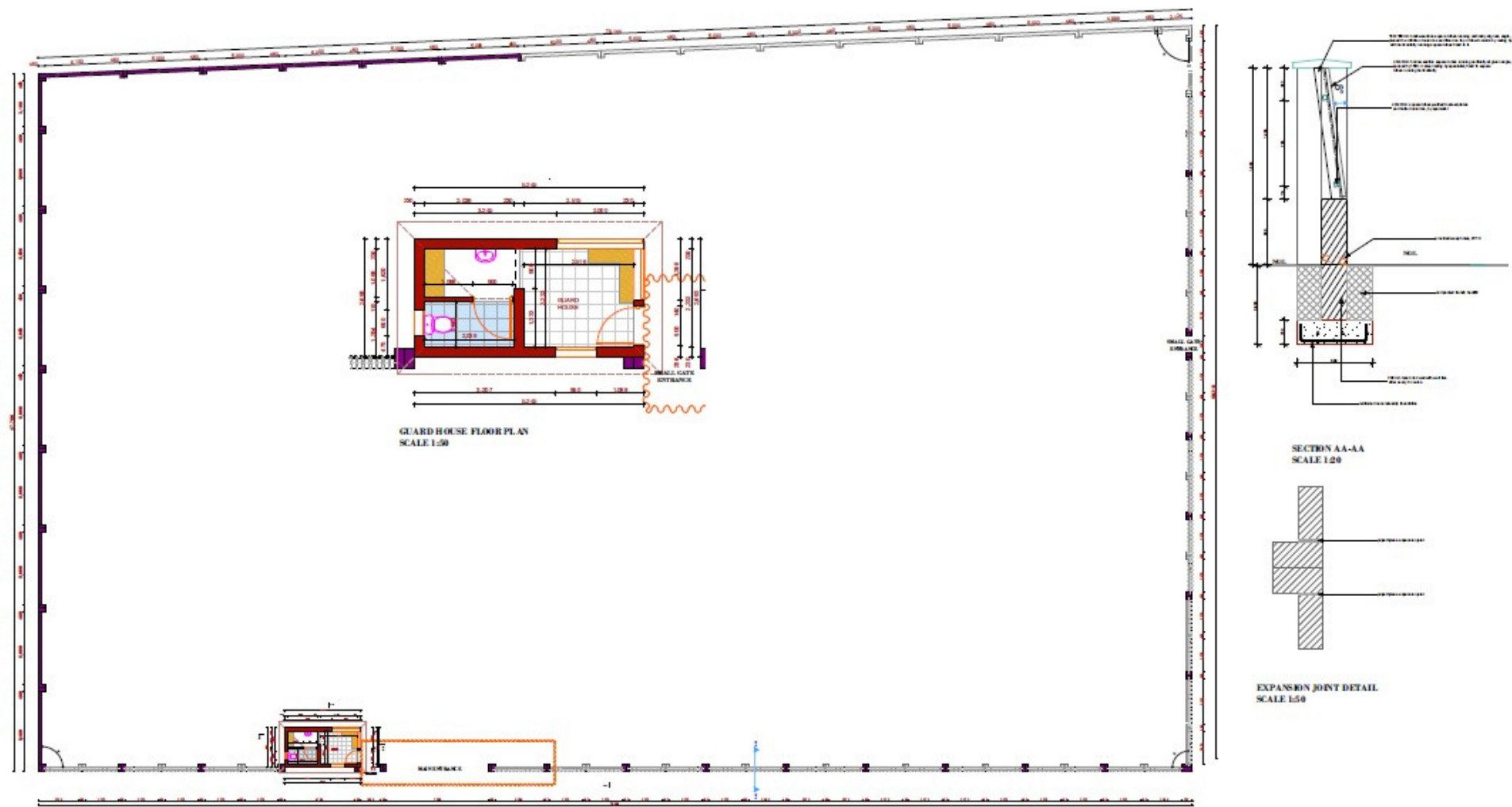
- Lobby
- Tribal Administrator
- Kgosikgolo Personal Assistant
- Kgosikgolo
- Moemela Kgosi
- Headman of records
- Assistant Clerk of Court
- Deputy Tribal Secretary
- Assistant Tribal Secretary
- Deputy kgosi
- Senior Moemela Kgosi
- Deputy Clerk of court
- Office 2
- Staff Ablutions



Site visits were conducted to inspect construction milestones. One of the milestones was to observe that all services were adequately provided for before the contractor could pour the 1st floor concrete slab. All reinforcements, pipes and wires that were designed to be embedded into the slab were observed and approved on site by the project engineers and the project architect in the presence of the site foreman and other relevant professionals in the project.

Skill set training:

1. Project management
2. Construction methods
3. Engineering principles



WINDOW SCHEDULE				
WINDOW TYPE	W1	W2	W3	W4
REMARKS	1. 1000mm x 1500mm window with 10mm gap between panes.	2. 1500mm x 1500mm window with 10mm gap between panes.	3. 2000mm x 1500mm window with 10mm gap between panes.	4. 1000mm x 1000mm window with 10mm gap between panes.
FINISHES	1. 1000mm x 1500mm window with 10mm gap between panes.	2. 1500mm x 1500mm window with 10mm gap between panes.	3. 2000mm x 1500mm window with 10mm gap between panes.	4. 1000mm x 1000mm window with 10mm gap between panes.
QUANTITY	1	1	1	1



9

Artistic Background

This chapter is a representation of who Keletso is as an artist. She resonates the most with a technique called **Random Reaslism** which essentially is a realistic representation of something with a very colourful splash of paint.

The work has some characteristics of **abstract art** in it and the artist finds the most delight in creating these pieces for her clients and for her own gallery

KELLY_SOULONCANVAS
SOULS EXPRESSED THROUGH ART



