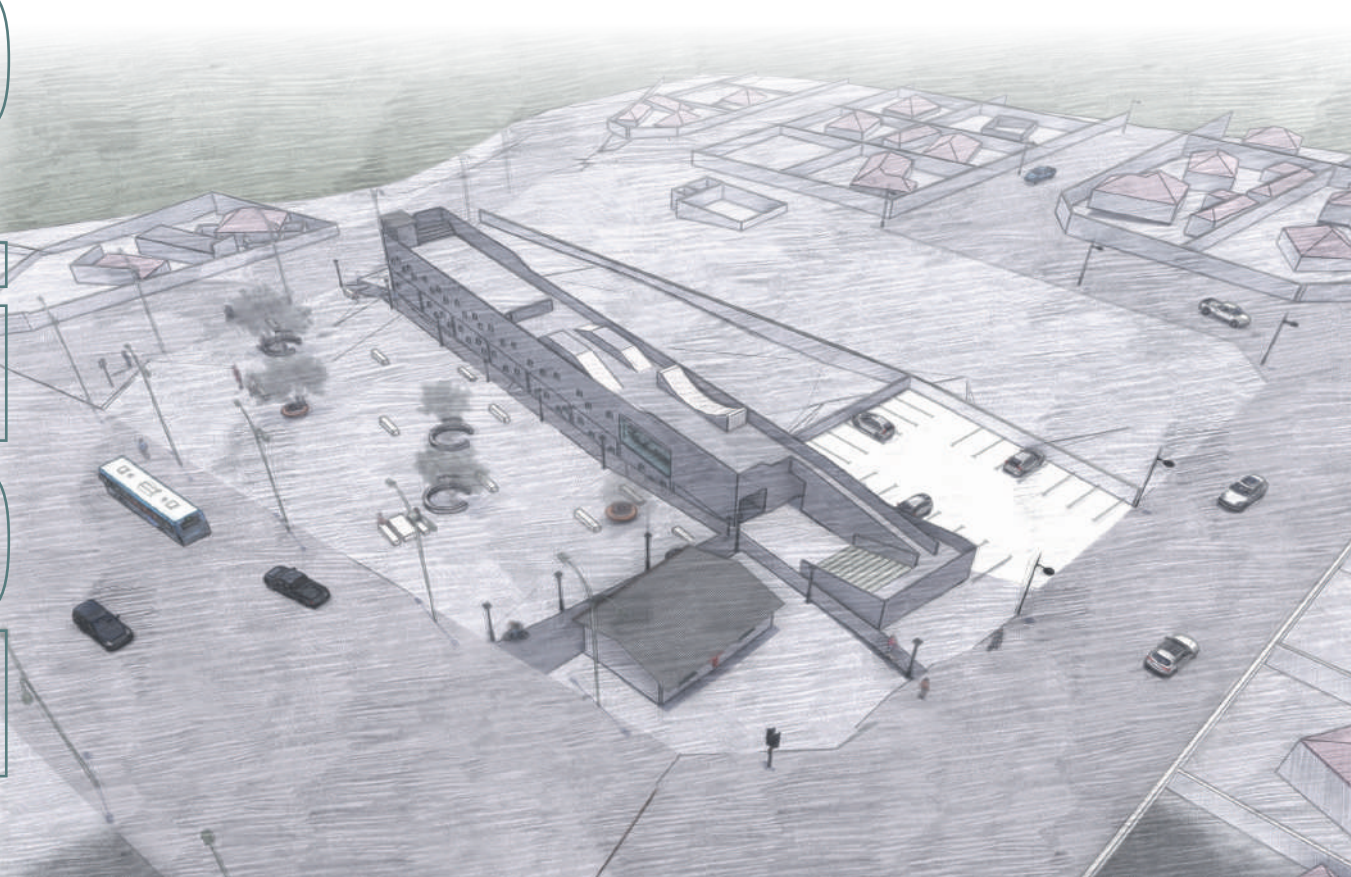


# LINEAR PROJECT

**M** DANTSANE  
RESEARCH+  
COMMUNITY  
CENTRE **BAS2**

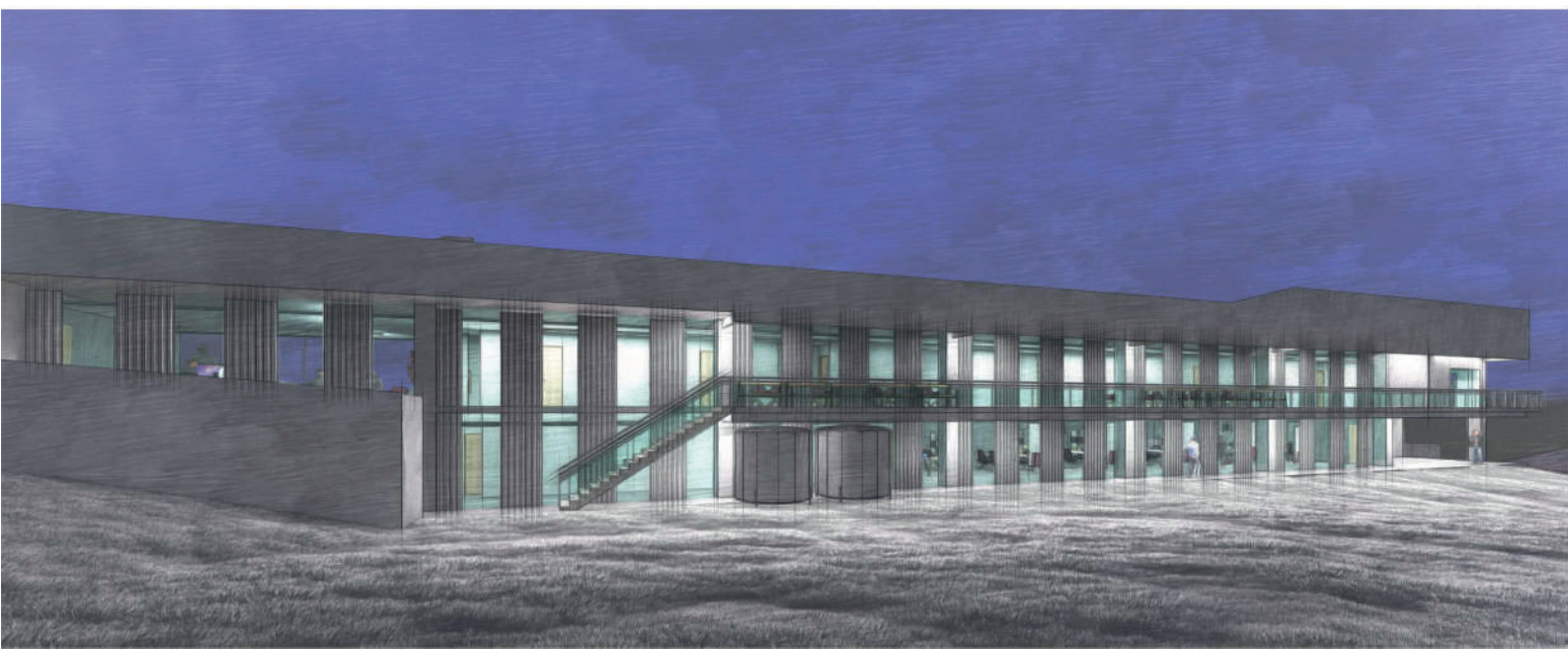
# LINEAR PROJECT





# Page of Content

1. Project Scope
2. Diagrams
3. Elevations
4. Floorplans
5. Floorplans
6. Part wall section
7. Details
8. External views picture analogue
9. Internal views picture analogue



The tale of two halves.

#### Concept

The project's roots stem from the divide perpetuated by stereotypes surrounding HIV and the treatment there and of the social discourse that envelopes it. The linearity of the proposed structure which would normally divide now seeks to introduce movement across the site and rather encourage social interactions through the use of the community youth facilities on the roof in order to slowly break down the barriers around HIV and unite the community. Movement through the site culminates in a central shared space that serves as a communal space with the existing church, acknowledging the role it plays on the site and in the community.

#### Specifications

The building is a typical column and beam structure using reinforced concrete sitting upon pad foundations. All load bearing structures to be signed off by a registered structural engineer. Floor slabs will be cast to engineers' specifications and then power floated to achieve a polished concrete look and feel followed by 2 coats of Acrethane Sealer to be applied by manufacturers procedural process. Concrete block work will form the skin of the building for the Southern Façade, which is to be plastered, primed and painted to approved color. Windows will be Kenzo 600mm x 600mm aluminum framed. Final coats to be applied only once all wet work is complete and signed off. North facade will be comprised of timber framed Corrugated roof sheeting, translucent polycarbonate sheeting and clear polycarbonate sheeting. Alternate sections that open to the outdoor waiting area will have triple stack sliding doors installed. Internal walls will be drywall where possible to make the environment adaptable to current and future needs and should be installed by a reputable contractor. All electrical cabling to have routes and installations approved by a registered electrical engineer. Multipurpose sports field on roof will be AstroTurf and sized according to available space. Skate Park area will also be power floated and sealed 2 coats of Acrethane with nonskid additive. Secure fencing to surround these two areas will be provided in the form of mesh fencing with adequate support securely bolted to the structure.

#### Cost

Probably looking at around R18000per square meter.

	Level	Area (m2)	Cost (R) (18000 per
Interior	Basement	391.437	7045866
	Ground	430.349	7746282
Exterior	Basement	161.238	2902284
	Ground	128.056	2305008
Ramp	Ground	512.365	9222570
Roof		151.064	2719152
Total		1774.509	31941162

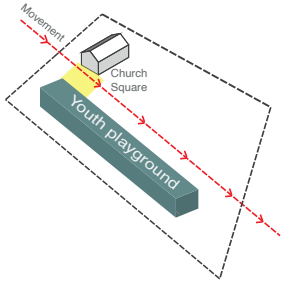
Cost can be reduced by eliminating roof top youth facilities.

Basement Total	552.675	9948150
Ground total	1070.77	19273860
Roof Total	151.064	2719152
Total minus roof and ramp	960.016	17280288

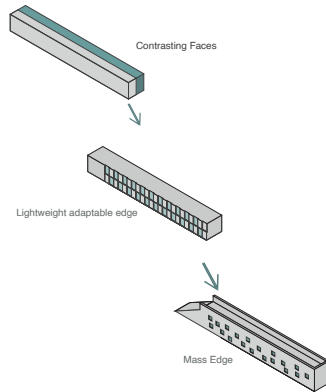
The linearity of the structure naturally enables great ventilation through the building while chosen materials promote natural lighting and thermal efficiency as well as blocking the noise pollution from the public front.

# Diagrams

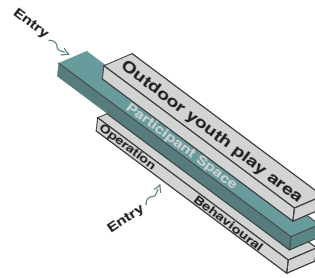
## COMMUNITY



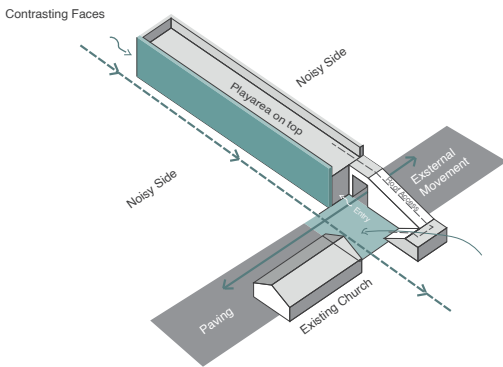
## EXPRESSION



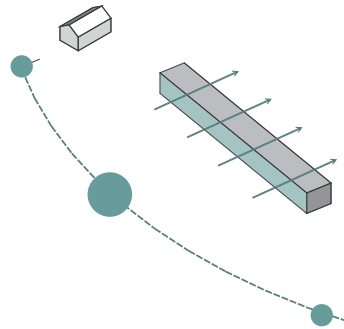
## ORGANISATION AND FUNCTION



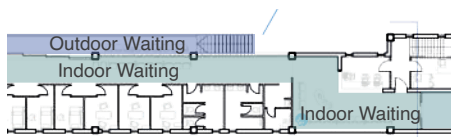
## ENTRY



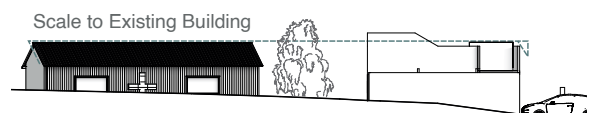
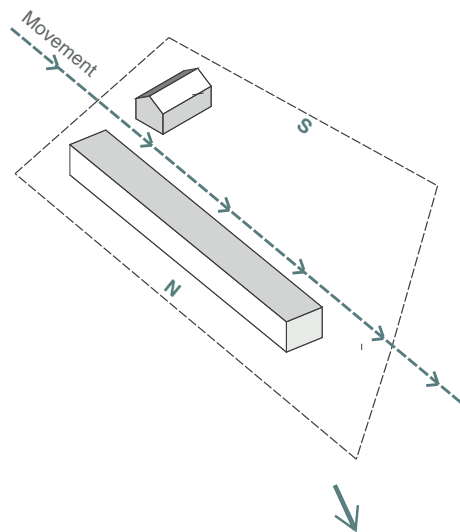
## UNLIGHT, NATURE AND VENTILATION



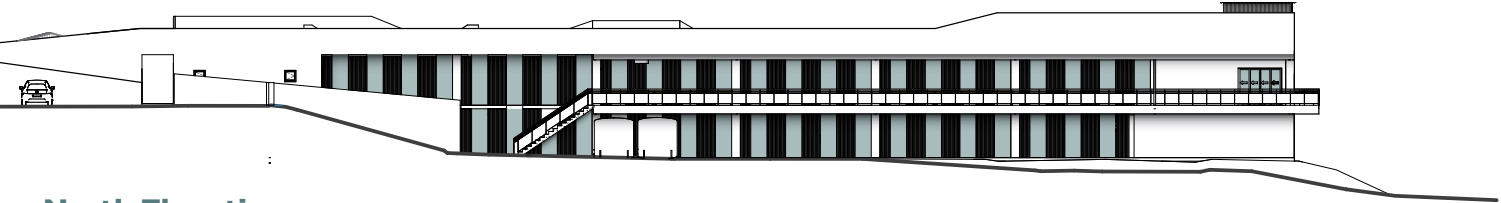
## WAITING AREA



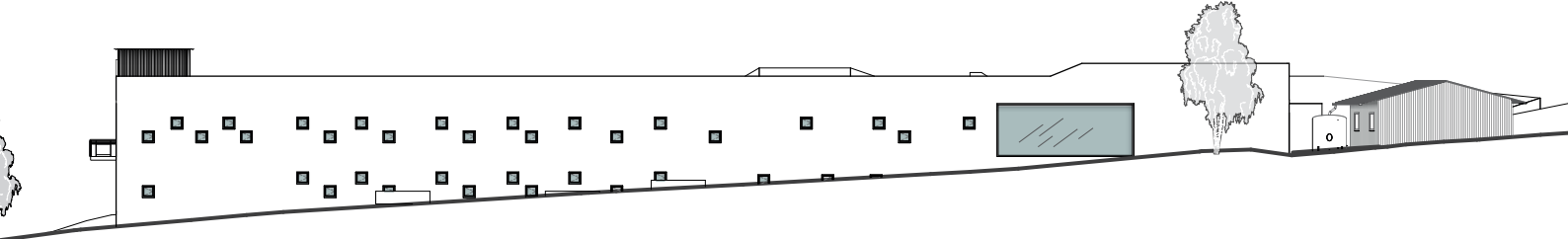
## SITE STRATEGY AND EDGE RESPONSE



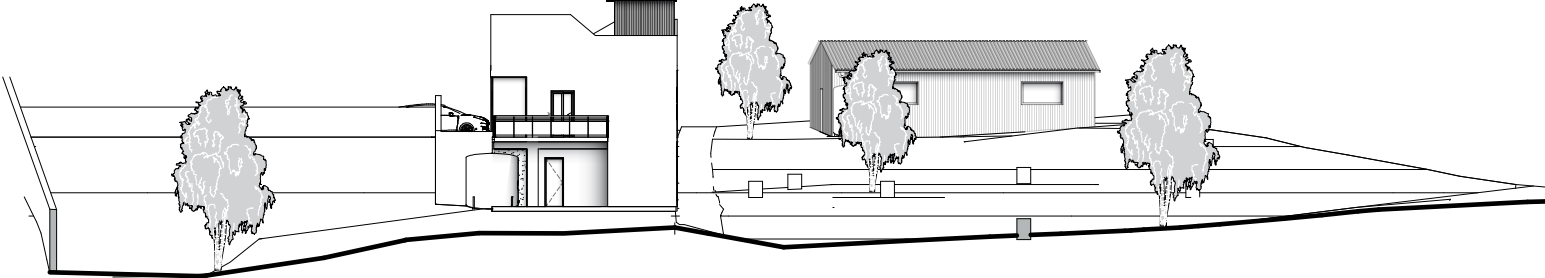
# Elevations



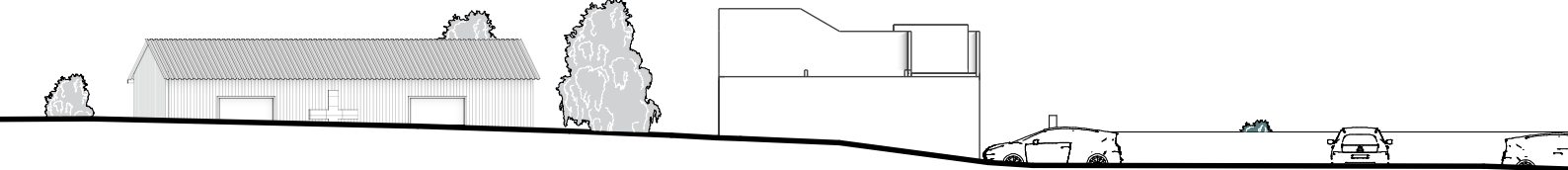
North Elevation



South Elevations

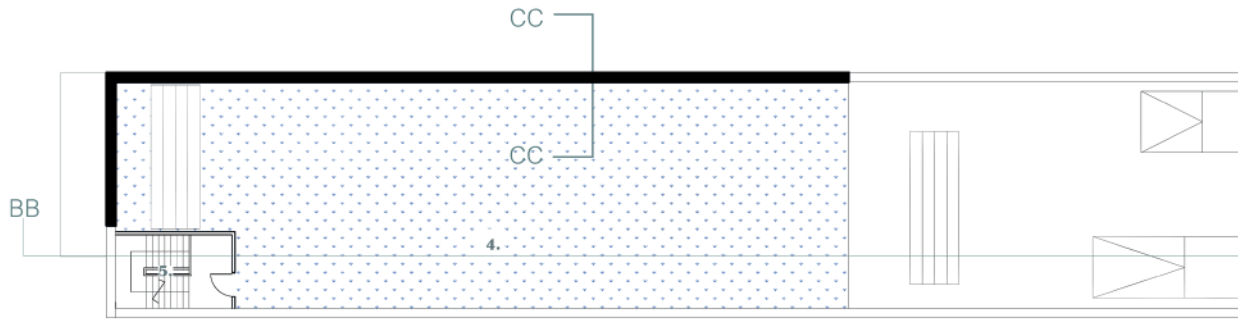


West Elevation



East Elevation

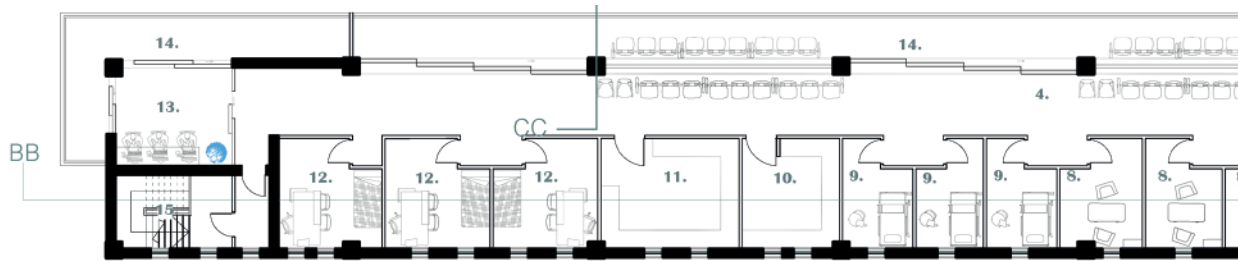
# Floorplans



1. VERTICAL CIRCULATION 2. STORE 3. EXTERNAL SOCIAL/ ACTIVITY SPACE 4. FOOTBALL & BASKETBALL COURT



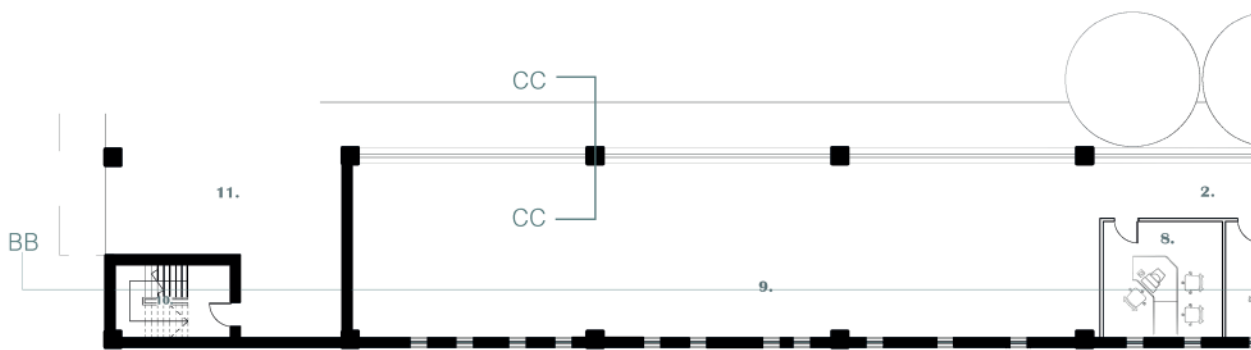
## ROOF



1. ENTRANCE 2. ADMIN OFFICE 3. VERTICAL CIRCULATION 4. LINEAR CIRCULATION 5. RECEPTION 6. WAITING AREA  
7. TOILETS 8. COUNSELLING 9. NURSES 10. PHARMACY 11. LABORATORY 12. DOCTOR'S OFFICE  
13. PARTICIPANT ROOM 14. BALCONY WAITING AND CIRCULATION SPACE 15. FIRE ESCAPE



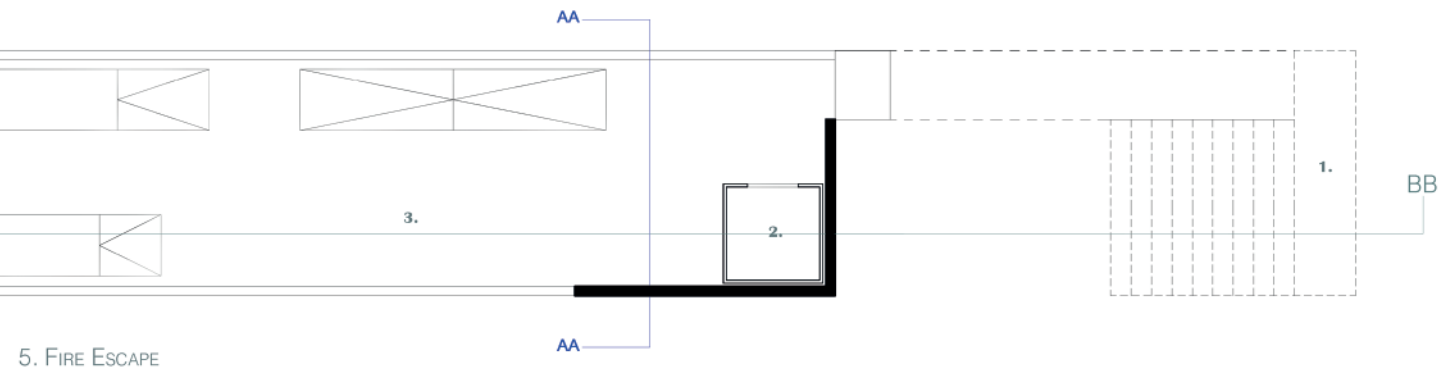
## GROUND FLOOR



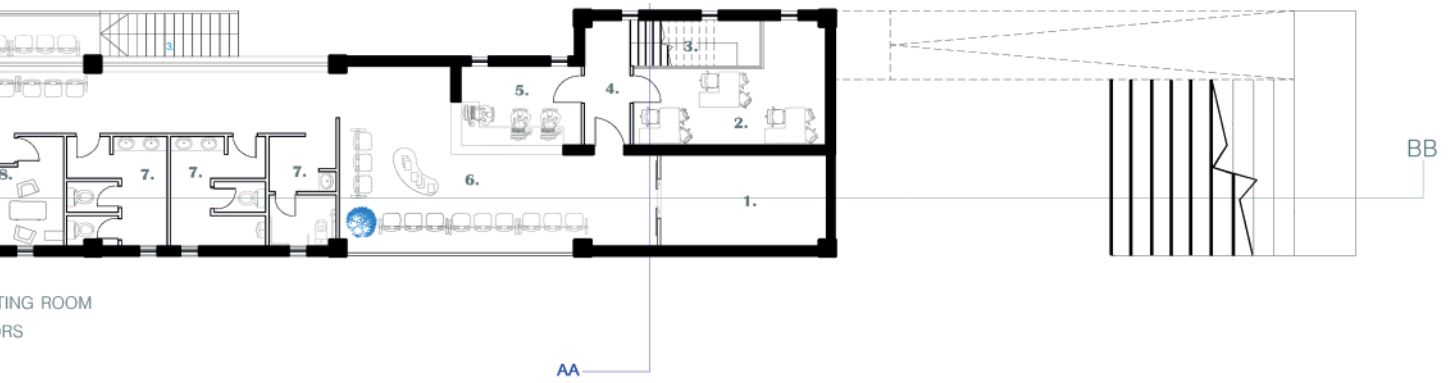
1. ENTRANCE 2. LINER CIRCULATION 3. VERTICAL CIRCULATION 4. CLEANING STORE 5. DATA STORE 6. BREAK ROOM  
7. TOILETS 8. OFFICES 9. WORK AREA 10. FIRE ESCAPE 11. FIRE ASSEMBLY POINT



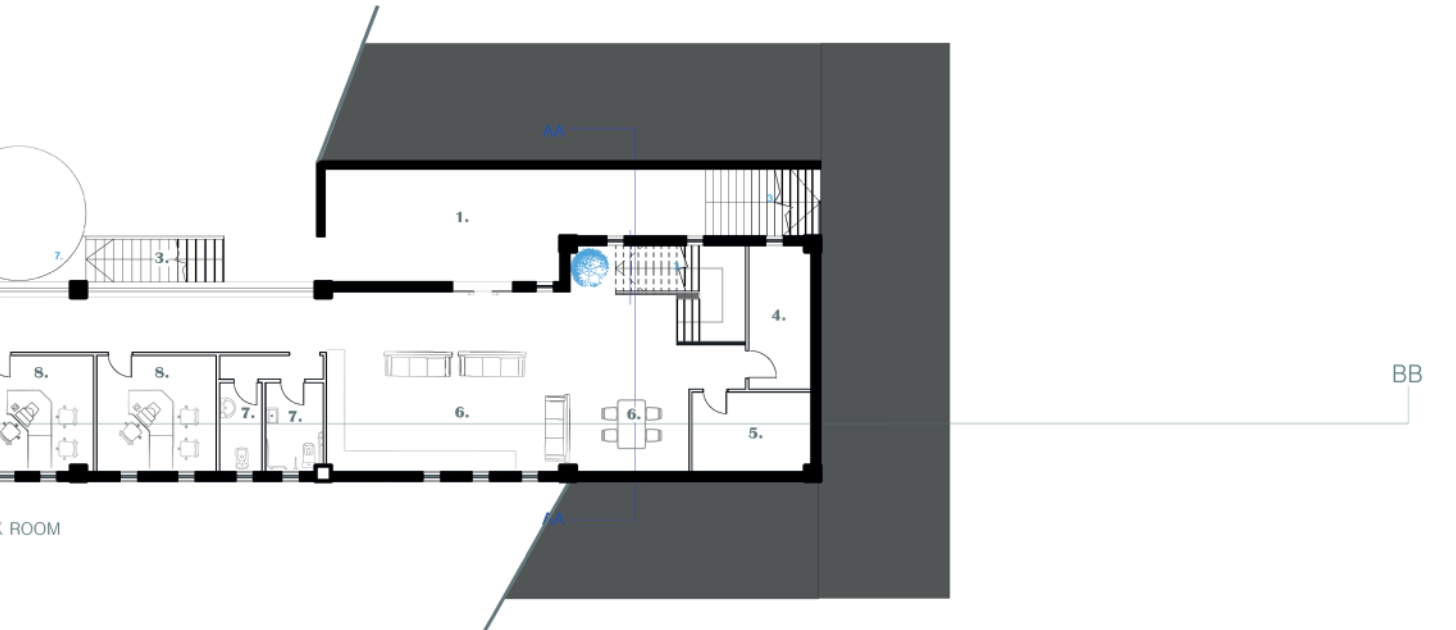
## BASEMENT



5. FIRE ESCAPE

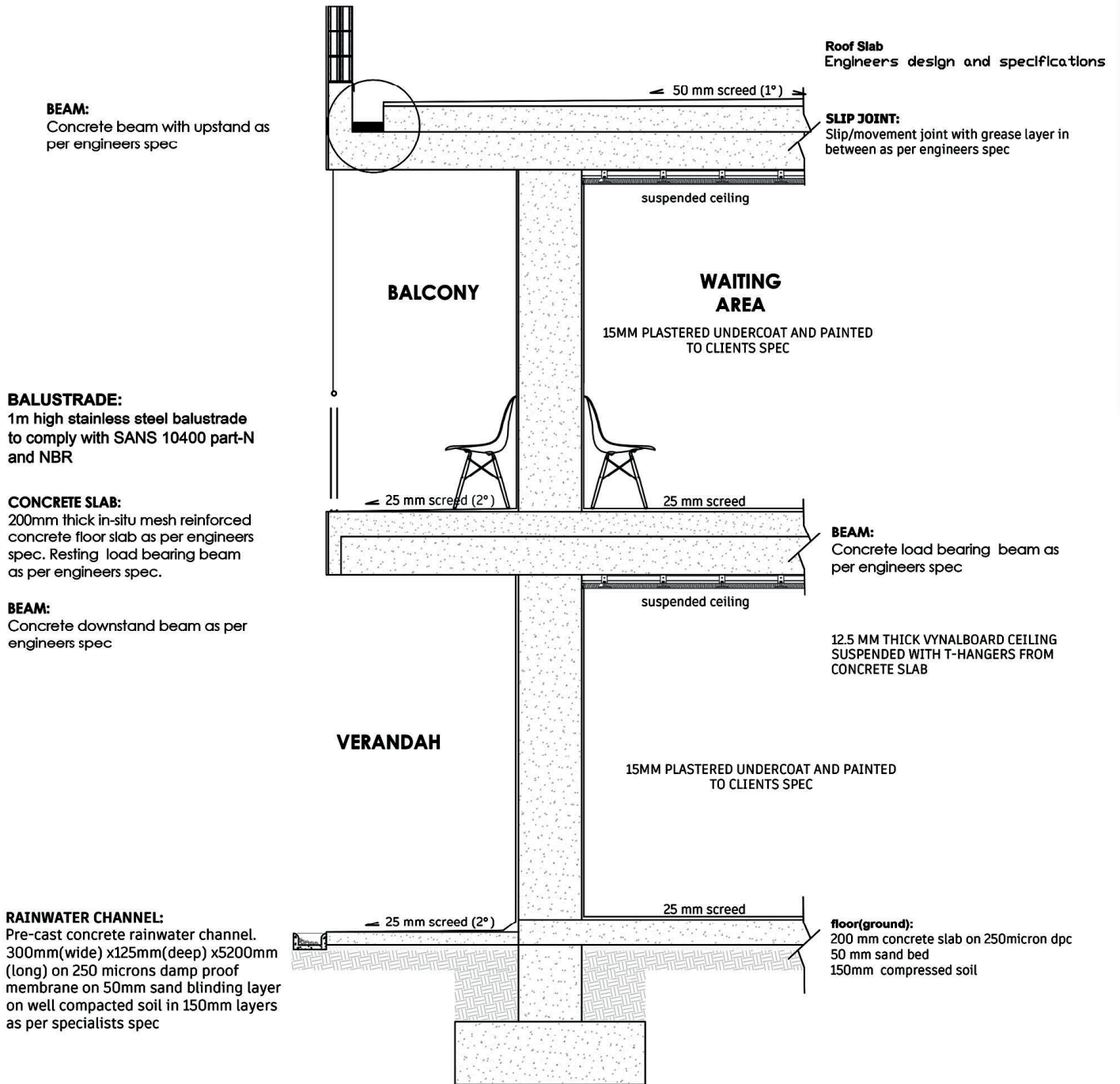


MEETING ROOM  
OFFICES



KITCHEN

# Floorplans



**\*ALL CONCRETE FOOTINGS, FLOOR SLABS AND RETAINING WALLS TO BE TO ENGINEERS DESIGN AND SPECIFICATIONS.\***

## Part Section

Technical Section



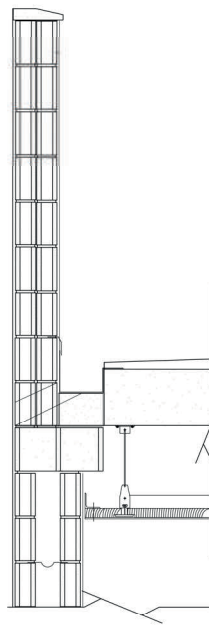
# Details

220 x 50 mm concrete coping on  
250 micron dpc

200 x 100mm aluminum gutter channel

Concrete infill  
Grout mesh

mild steel galvanized butterfly wall ties  
to be inserted into the joints every  
third brick.



flashing

Screed

**Roof Slab**

Engineers design and specifications

12.5 MM THICK VYNALBOARD CEILING  
SUSPENDED WITH T-HANGERS FROM  
CONCRETE SLAB

**WALL :**

290mm Concrete block Cavity(110mm) wall  
90x190 mm Concrete block  
1 coat of plater

**\*ALL CONCRETE FOOTINGS, FLOOR SLABS  
AND RETAINING WALLS TO BE TO  
ENGINEERS DESIGN AND SPECIFICATIONS.\***

## D-1

Roof Drainage System  
Detail

1:10

100 mm concrete slab

25 mm screed (2°)

25 mm concrete screed

**First Slab**

Engineers design and specifications

12.5 MM THICK VYNALBOARD CEILING  
SUSPENDED WITH T-HANGERS FROM  
CONCRETE SLAB

suspended ceiling

mild steel galvanized butterfly  
wall ties to be inserted into the  
joints every third brick.

**WALL :**

290mm Concrete block  
Cavity(110mm) wall  
90x190 mm Concrete block  
1 coat of plater

Bitumen membrane

110mm drainage pipe to be  
placed at lowest possible  
point as per engineers spec

**Ground Floor Slab**

Engineers design and specifications

250 micron dpc  
50 mm soil bed  
150 mm Compacted soil

Strip foundation

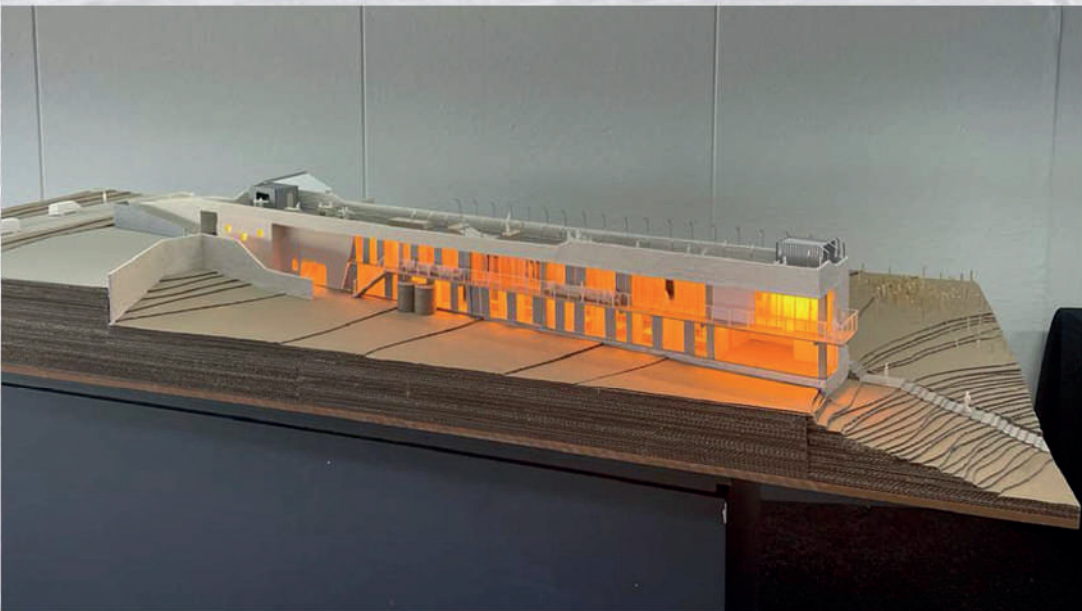
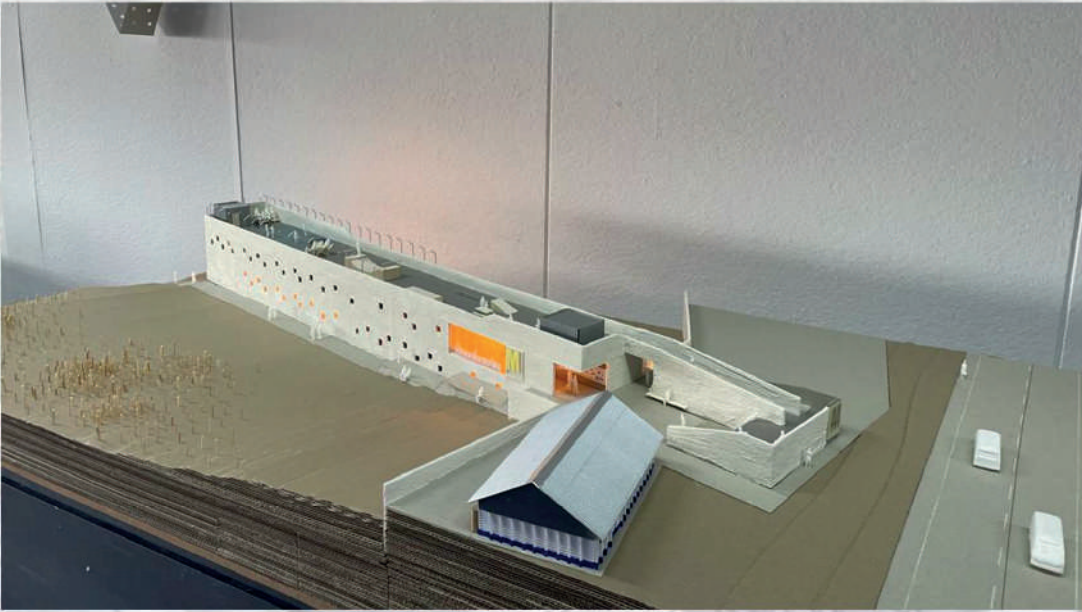
## D-2

Retaining Wall  
Detail

1:10

**\*ALL CONCRETE FOOTINGS, FLOOR SLABS  
AND RETAINING WALLS TO BE TO  
ENGINEERS DESIGN AND SPECIFICATIONS.\***

# ANALOGUE





# LINEAR TEAM

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Chaneal Labercensie

Madison Povey



## Special Thanks!

John Andrew  
Mpumzi Mbulawa