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*YEAR TWO PORTFOLIO SUBMISSION - UNIVERSITY OF LINCOLN*

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SECTION**ONE**

# **ARCHITECTURAL***DESIGN*

ARC2002M**BUTCHER**

***IMAGE: MARKET SQUARE, LINCOLN***

# s i t e











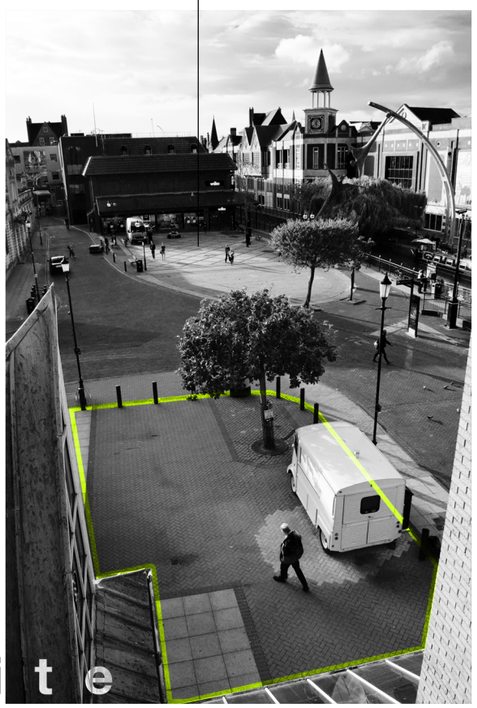

UNUSED/BROKEN LIFT SHAFT
COULD BE OF SOME USE

NATURAL OBSTRUCTIONS
MAY NEED TO CONSIODER KNOCKING DOWN

ENTRANCES TO NEARBY SHOPS
CANNOT BE USED AS A CORNER SITE

MARKET SQUARE
BRINGS IN GOOD BUSINESS,
BUT NOISY EARLY IN THE MORNING.



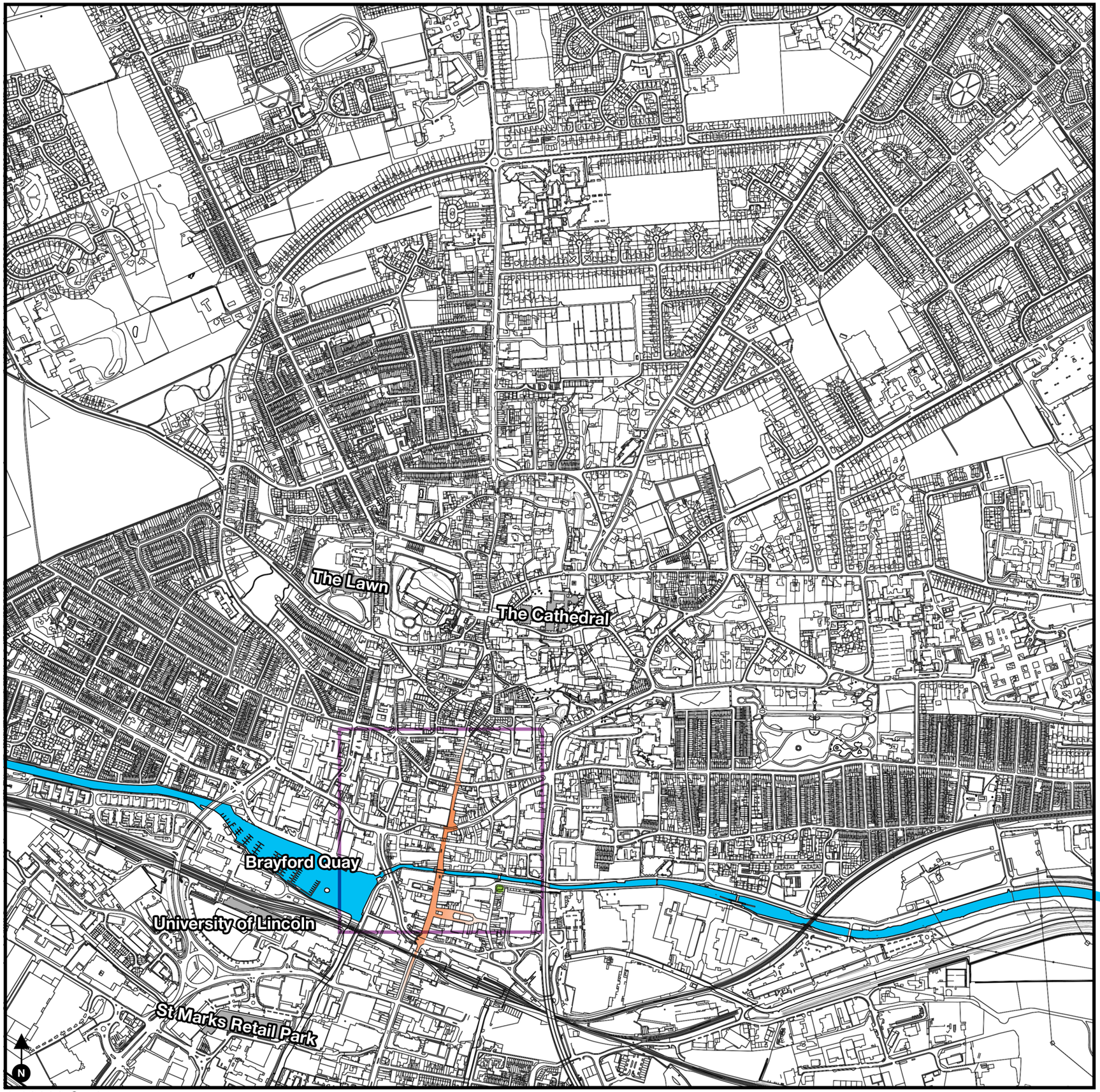



site

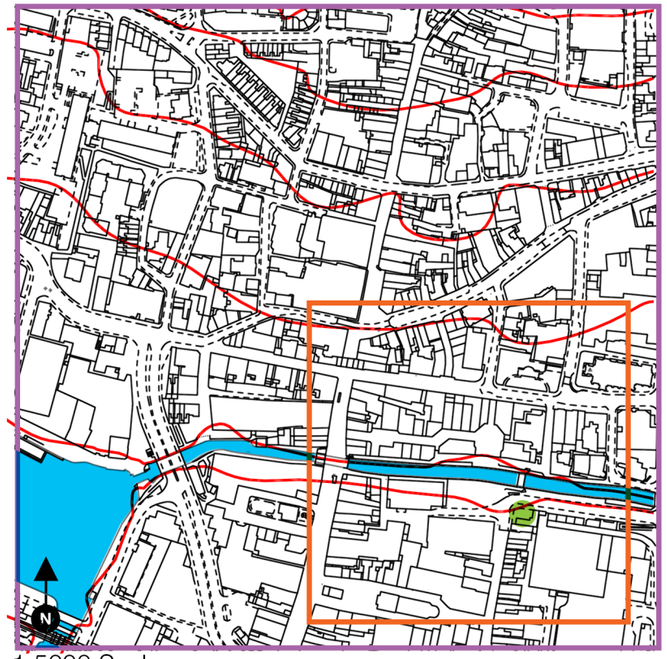
ARTIFICIAL OBSTRUCTIONS

QUIET ROAD
ONLY USED FOR DELIVERIES

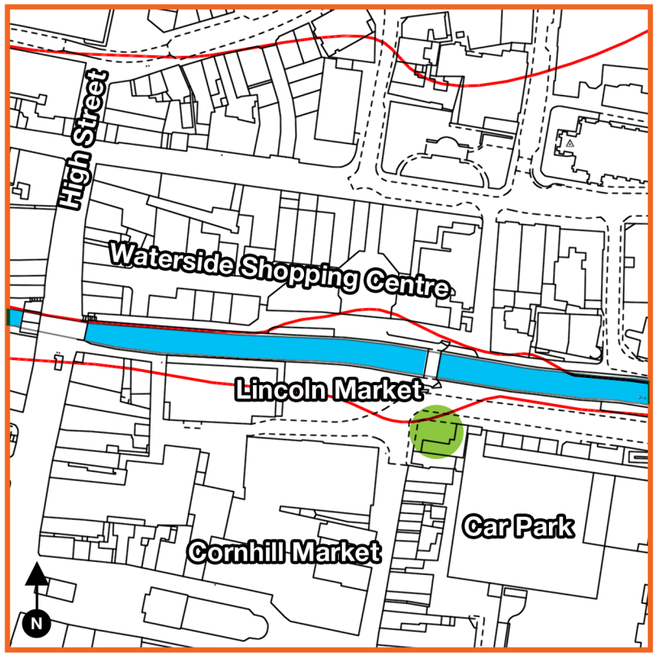
**SITE IMAGES AND OBSERVATIONS**




1:10000 Scale




1:5000 Scale




1:2500 Scale

Water

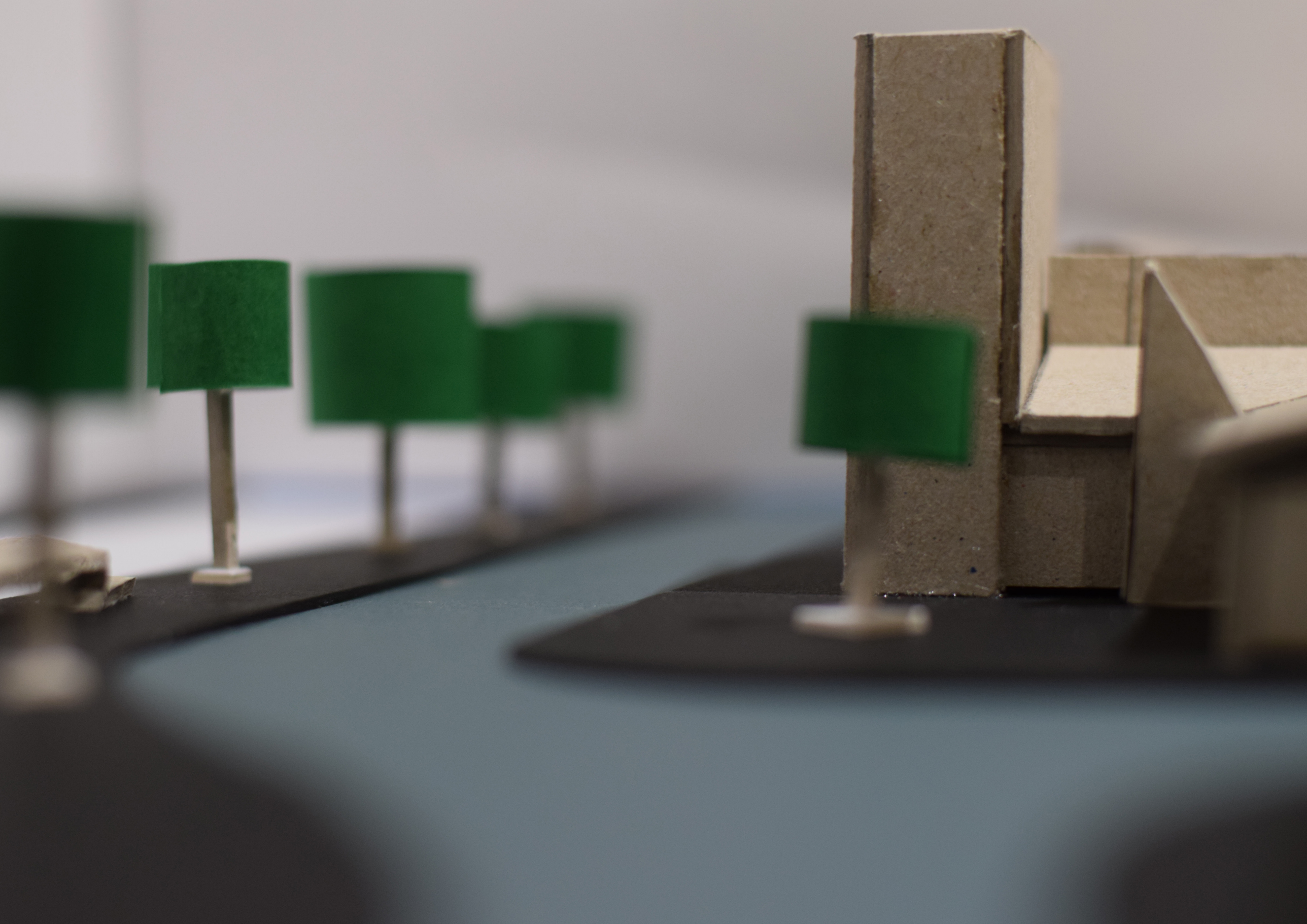
High Street

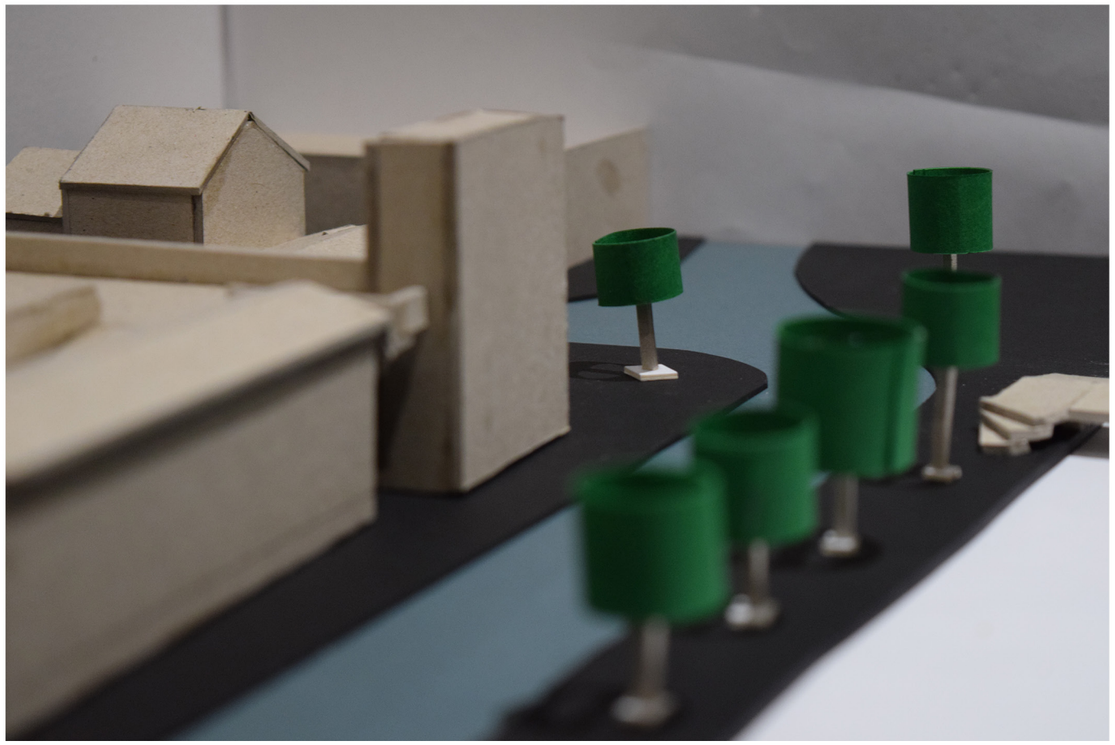
Site

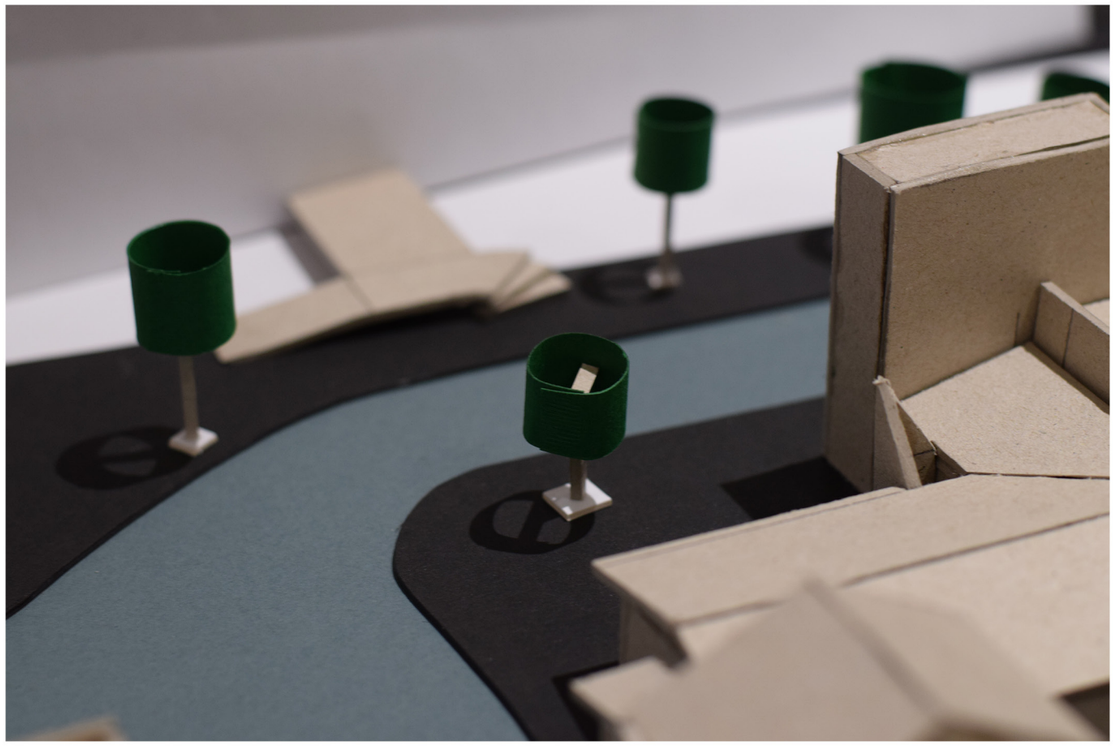
Place of Interest

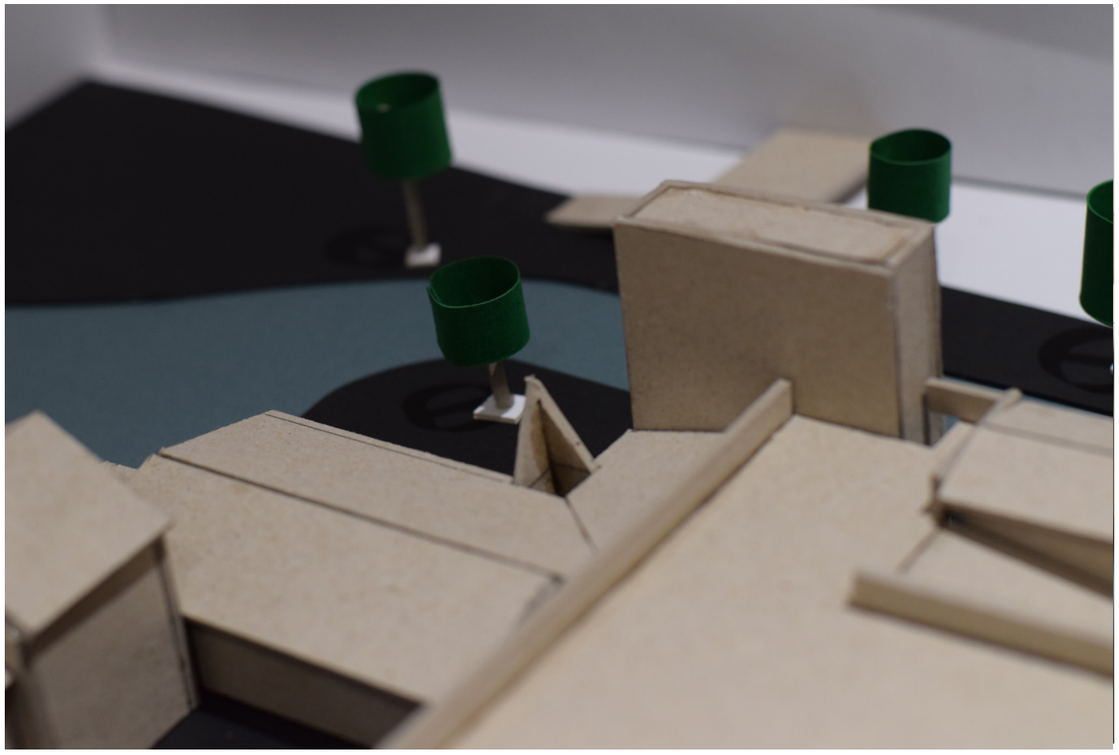
Land Contours

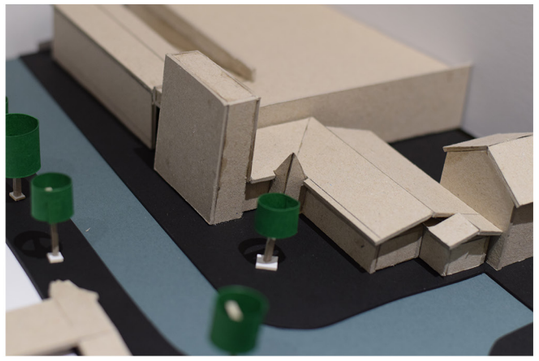
General land use around the area is commercial. There is a single residential property and a street of mixed use properties in the immediate area around the site.

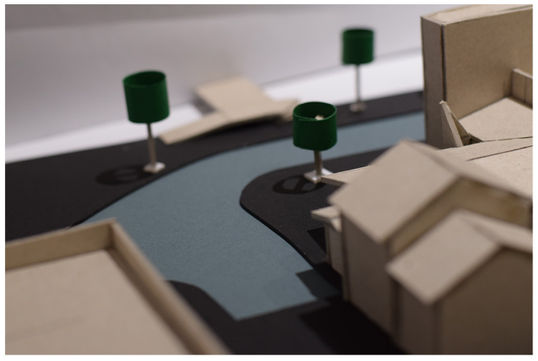


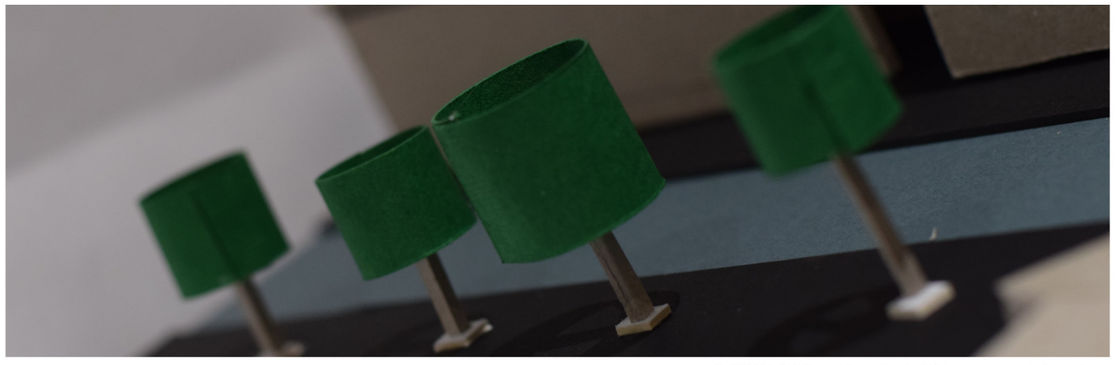




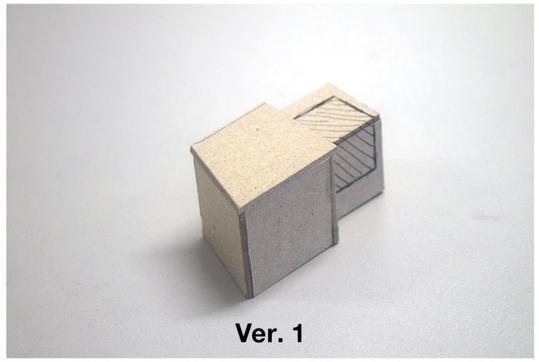








*1:500 Site Model: Close up Photos*



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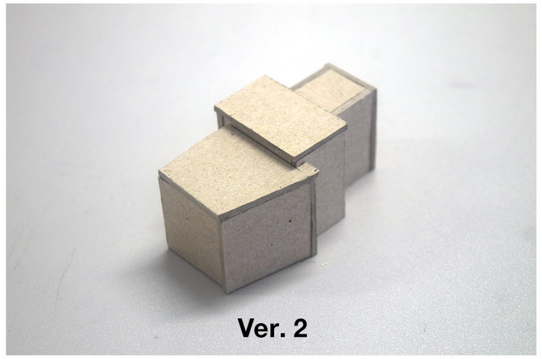

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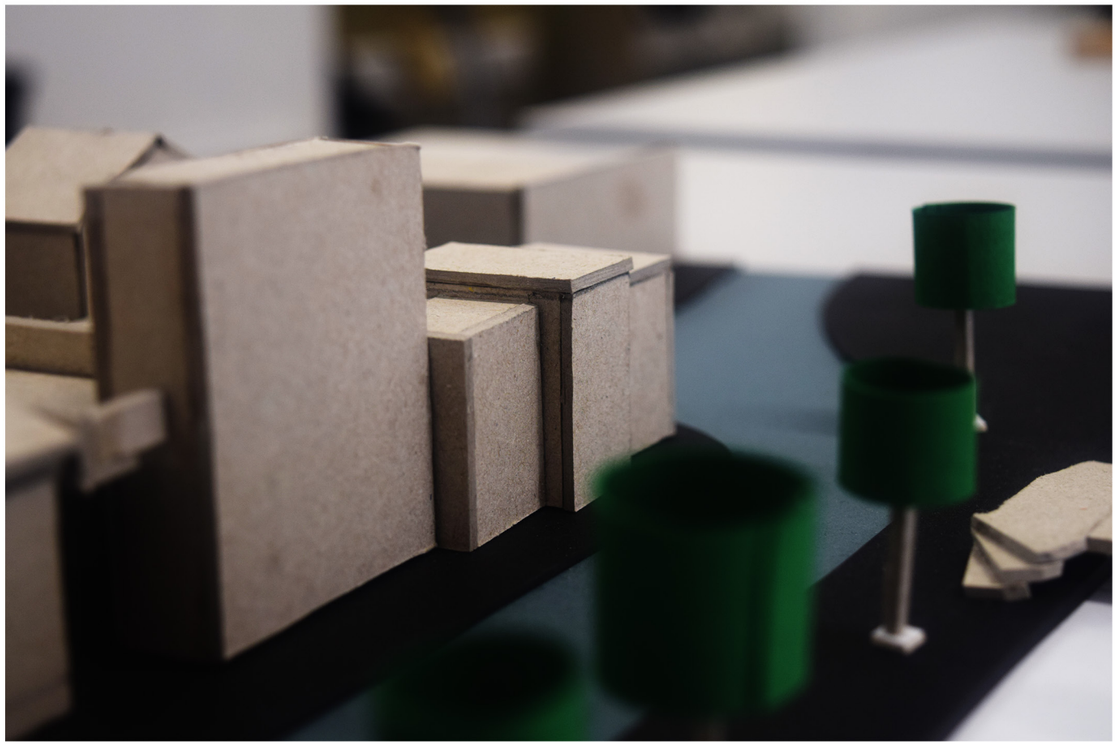








*1:500 BLOCK MASSING MODEL*

REQs:
Meat Hangers
Easy Access
Refrigerated

Meat Storage (36 Sq M)





Delivery

Meat Prep (30 Sq M)



REQs
Meat Grinder
Band Saw
Sausage Maker
Large Chopping Surfaces
Easy to Clean
Linear workflow



Sold to Customer

REQs:
Small Chopping Area
Countertop Space
Hand Sink

Sub Meat Prep




Retail Floor

REQs:
Maximum Display Space
POS

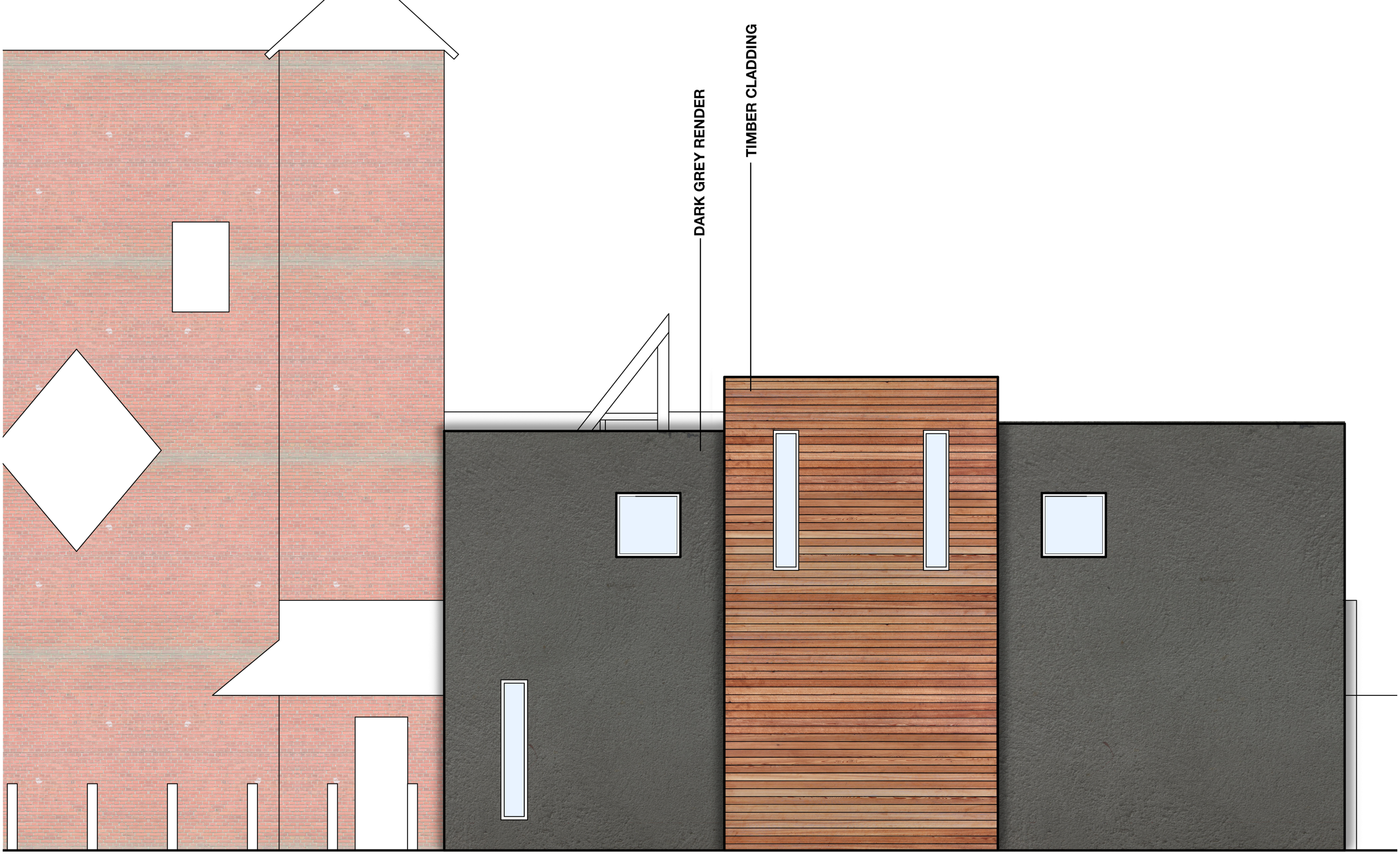


THE BUILDING USES THE EXISTING TOWER AS ITS STAIRWELL. THIS WAS TO CONSERVE SPACE ON THE LIMITED SIZE SITE. THE BUILDING CONSISTS OF THREE SECTIONS TO REPRESENT THE 3 STAGES OF PRODUCTION: STORAGE, PREPARATION AND SELLING

**SOUTH ELEVATION W/ SECTION THROUGH TOWER** [1:50]



EAST ELEVATION [1:50]




N

THE BUIDLING USES A TWO TONE MATERIAL SCHEME: DARK GREY RENDER AND TIMBER. THESE MATERIALS WERE CHOSEN TO CONTRAST WITH THE RED-BRICK STYLE BUILDINGS IN THE LOCAL AREA AND BRING IN A CONMTEMPORARY TOUCH.

**NORTH ELEVATION** [1:50]

**REPOSITION MAILBOX**
MOVE OFF PRIVATE LAND INTO PUBLIC SQUARE. FITS IN NICELY INTO LOCATION

**ICE RINK / MARKETPLACE**

**REDUCED-WIDTH ROAD**
TO ALLOW FOR EXTENDED PAVEMENT. REMOVES RANDOM CAR PARKING IN FAVOUR OF NEW PAVEMENT

**NEW PAVEMENT**
TO FIT THE PROPOSED BUILDING'S SHAPE

**NEW BRICKS**
FRESHEN UP WHIST STAYING FAITHFUL TO THE CURRENT LANDSCAPING: ALSO GOOD FOR DRAINAGE.

BENCH

**NEW BOLLARDS**
WHY: TO CLEAN UP THE AREA AND REPOSITION SLIGHTLY TO BETTER ACCOMODATE THE NEW BUILDING

CO-OP

CAR PARK

N

**LANDSCAPING PLAN** [1:100]

ROAD

NEW PAVEMENT

**BEDROOM WINDOW**
TO PROVIDE AN EXHILERATING EXPERIENCE WHEN WAKING UP
REMOTELY CLOSING BLINDS FOR LAZY DAYS

NEW PAVEMENT

**ROOF DECK**
RELAXATION SPACE, OFFERS VIEWS
TO THE NORTH AND SOUTH

**SHOWER SKYLIGHT**
LIGHT CAN FLOOD INTO THE BATHROOM WHILST MAINTAINING
PRIVACY. JUST THE ACT OF SHOWRING CAN BECOME AN EXPERIENCE.

**CLOSET WINDOW**
SO YOU CAN SEE YOUR CLOTHES, OBVIOUSLY

ADJACENT
BUILDING

N

**ROOF THINKING**
SKYLIGHTS ARE PLACED STRATEGICALLY AND USED AS A FEATURE IN THIS PROJECT.

**ROOF PLAN: DECK AND SKYLIGHTS** [1:50]
SECTION CUT THROUGH TOWER

ROAD

NEW PAVEMENT

NEW PAVEMENT

MEAT GRINDER

MEAT PREP

BAND SAW

SHOP FRONT

CHILLER

ENTRANCE HALL

STAFF COSY

WC

**PARTITION DOOR**
TO DIVIDE BETWEEN RESIDENTIAL & COMMERCIAL SPACES

**DUAL ENTRANCES**
ENABLES BUSINESS TO NOT INTERFERE WITH LESUIRE

**TOILET**
IN BUILT SINK TO SAVE SPACE

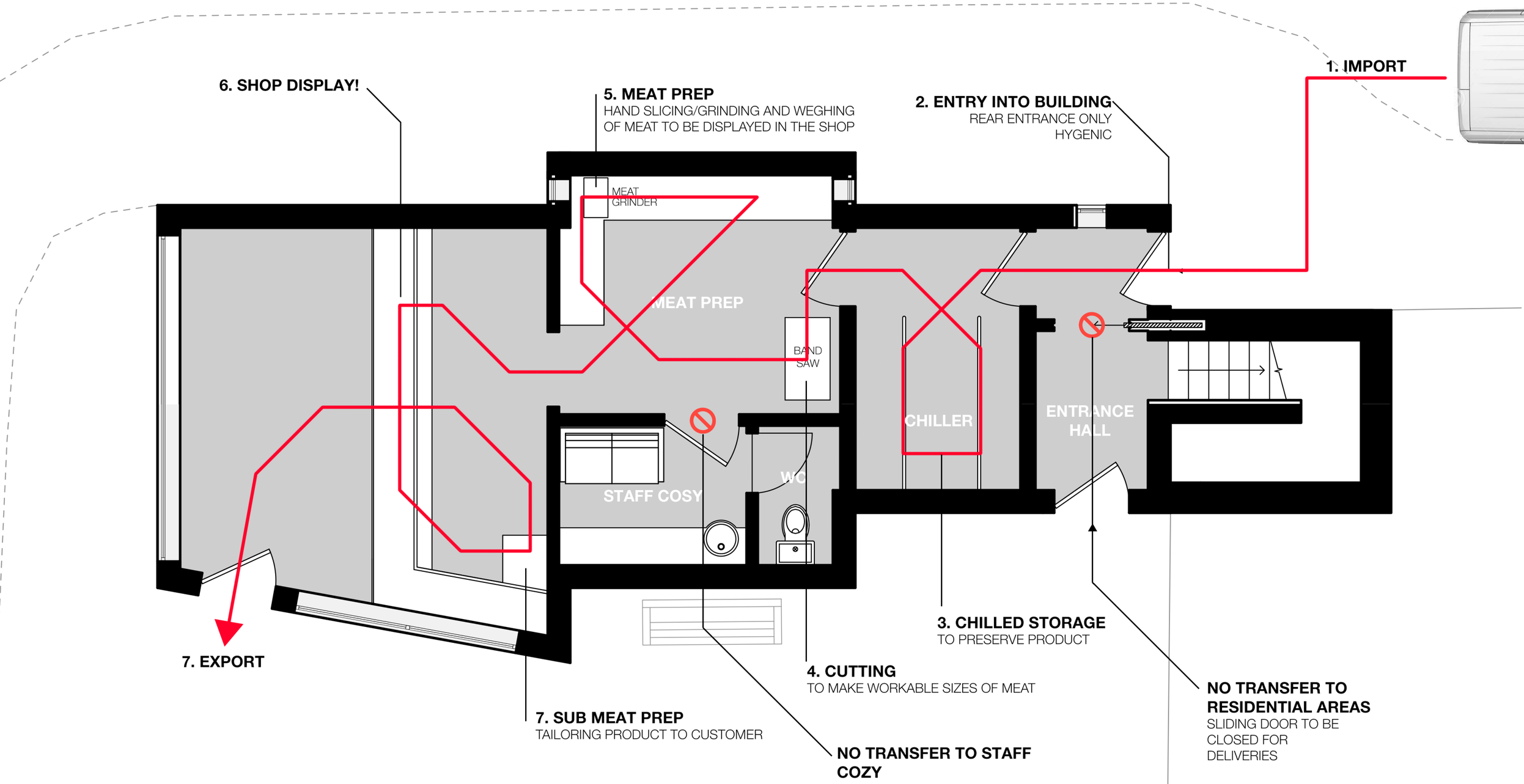
**LARGE WINDOWS**
TO SELL SELL SELL!

ADJACENT BUILDING

N

**GROUND FLOOR THINKING**
IT IS IMPORTANT TO DIFFERENTIATE BUISNESS FROM LESUIRE IN A SPACE LIKE THIS. THEREFORE A SINGLE ENTRANCE ROOM WITH TWO DOORS IN/OUT AND A SEPARATING PARTITION WAS DESIGNED TO ALLOW THIS.

**GROUND FLOOR PLAN: COMMERCIAL** [1:50]

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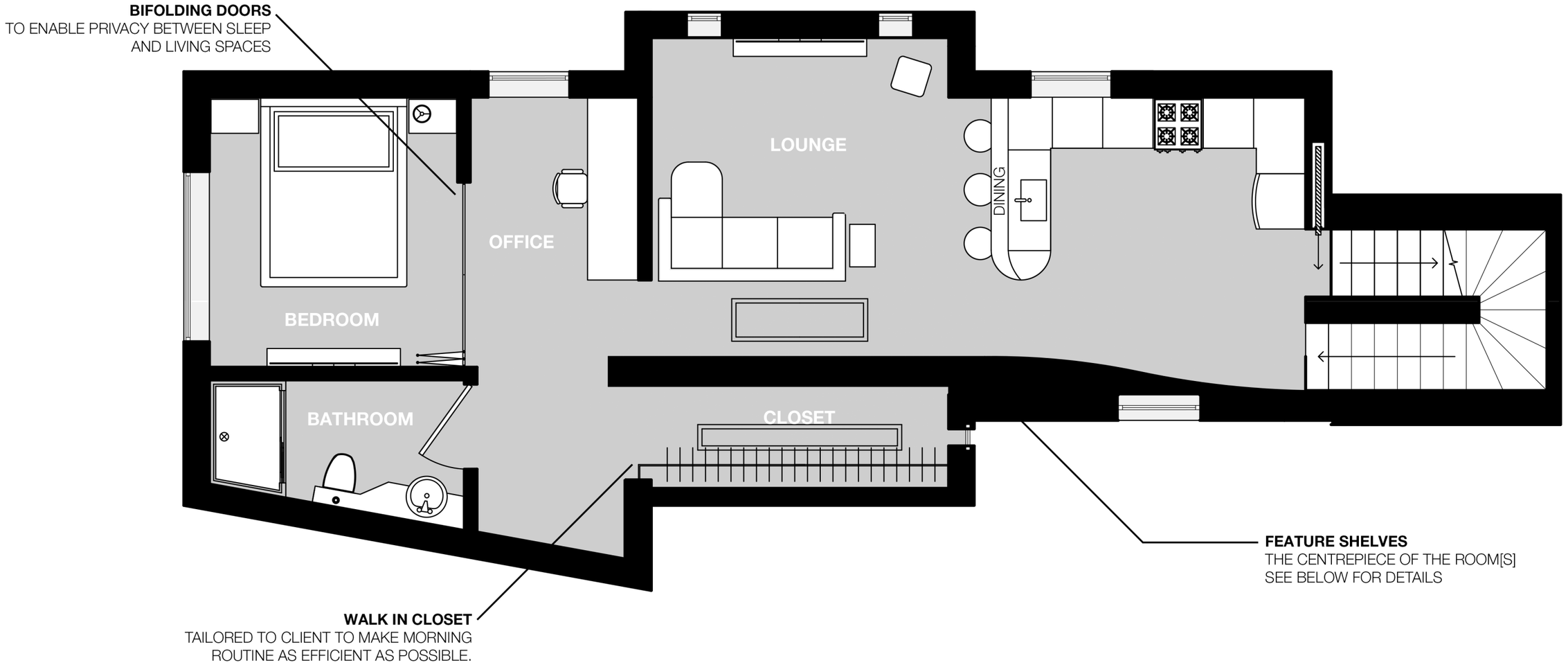
**MEAT PROCESS IN PLAN**

THE GROUND FLOOR SPACE IS DESIGNED TO EFFICIENTLY DELIVER, STORE, PREP AND SELL THE PRODUCT. THIS PAGE ILLUSTRATGES HOW IT DOES THIS

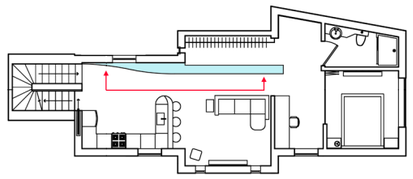
**PROCESS DIAGRAM ON GROUND FLOORPLAN** [1:50]



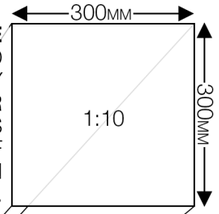

**FIRST FLOOR THINKING**

THE CLIENT WAS VERY FOCUSED ON ROUTINE. AS SUCH THIS PLAN WAS DESIGNED TO MAKE MORNING ROUTINE AS EASY AS POSSIBLE.
BED -> BATHROOM -> CLOSET -> LOUNGE -> KITCHEN -> DOWNSTAIRS. FROM SLEEP TO SUCCESS IN SECONDS.

**FIRST FLOOR PLAN: RESIDENTIAL** [1:100]

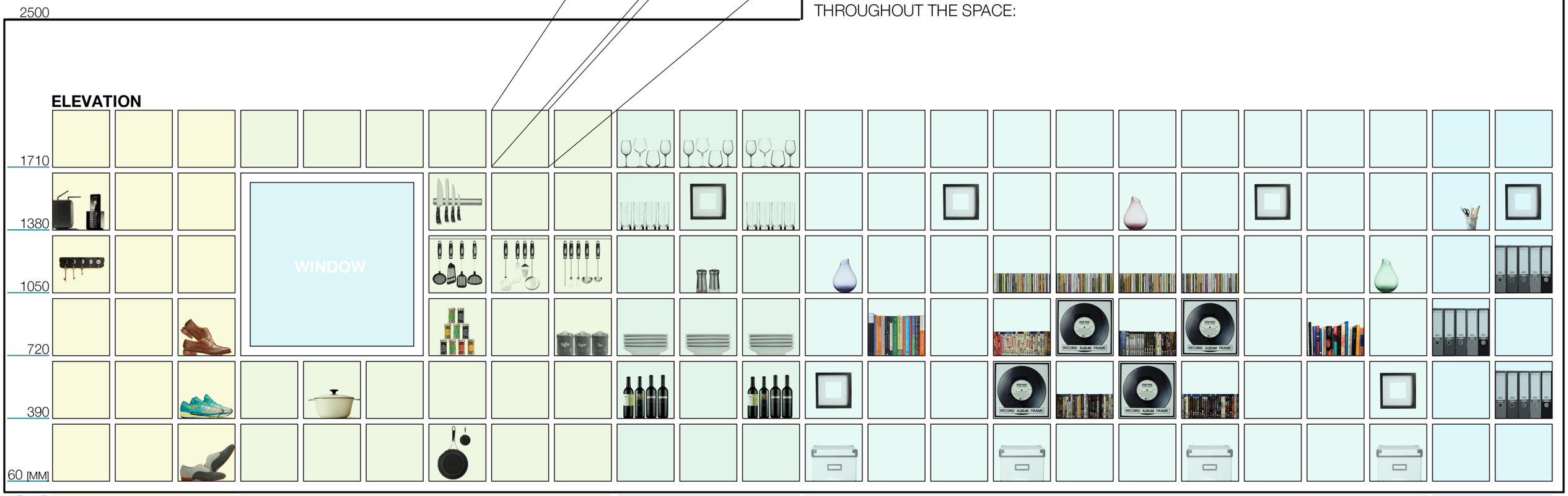


**COMPARTMENT SIZE**
COMPARTMENTS WERE DESIGNEDTO BE 300MM X 300MM TO FIT EVERY APPLICATION PERFECT SIZE FOR VINYLS, GLASSES, BOOKS, SHOES AND MUCH MORE. THE DEPTH OF EACH COMPARTMENT IS SHOWN IN PLAN BELOW.




**SHELF THINKING**
THE SHELF SPANS THROUGH THE ENTIRE LIVING SPACE FROM THE ENTRANCE, THROUGH THE KITCHEN, PAST THE DINING AREA AND CONCLUDING IN THE LOUNGE. IT IS THE CENTER OF THE PLAN, AND IS DESIGNED TO BE HIGHLY FUNCTIONAL: CARRYING WHATEVER THE CURRENT FUNCTION REQUIRES AS YOU MOVE ALONG. THE SHELF IS DESIGNED TO BE FILLED WITH THINGS; ORGANISED CHAOS DEVELOPS ITS OWN AESTHETIC. BELOW ARE EXAMPLES OF HOW THE SHELF CAN BE USED THROUGHOUT THE SPACE:

**ELEVATION**




**ENTRANCE**
SHOES
KEYS
BROADBAND HUB
PHONE BASE
MAIL

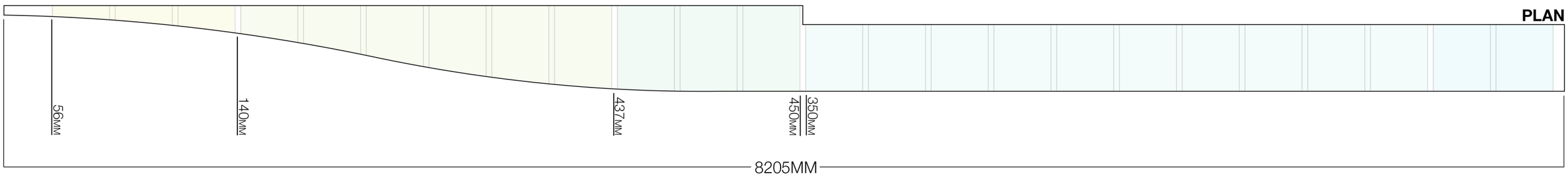
**KITCHEN**
HERBS & SPICES
INGREDIENTS
POTS & PANS
CROCKERY
COOKBOOKS

**DINING**
DINNER PLATES
DRINKING GLASSES
WINE
WINE GLASSES
NAPKINS
PHOTO FRAMES

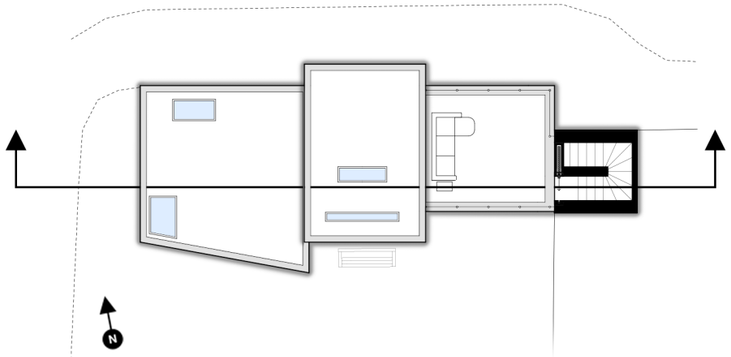
**LOUNGE**
BOOKS
MAGAZINES
DVDS/BLURAYS
CDS/VINYLS
PHOTO FRAMES
VASES
DECORATIONS

**OFFICE**
FILES
PAPERWORK
PHOTO FRAMES

**PLAN**




**SHELF DETAIL** [1:20]



**NORTH SECTION 1:50**

SECTION LINE SHOWN TO LEFT

LIFT SHAFT CONVERSION

ENTRANCE HALLL

KITCKEN AREA

ROOF TERRACE

DINING COUNTER

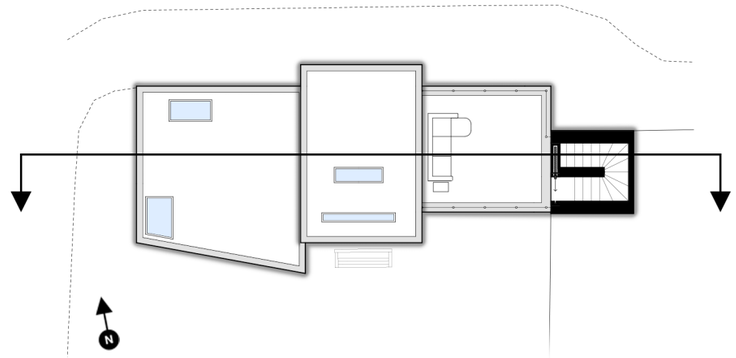
PREP AREA

LOUNMGE AREA

STUDY AREA

SHOP

SHOP



**SOUTH SECTION 1:50**

SECTION LINE SHOWN TO LEFT

STAIRWELL SHAFT

RESIDENTIAL ENTRANCE

KITCHEN AREA

CHILLER

PREP ROOM

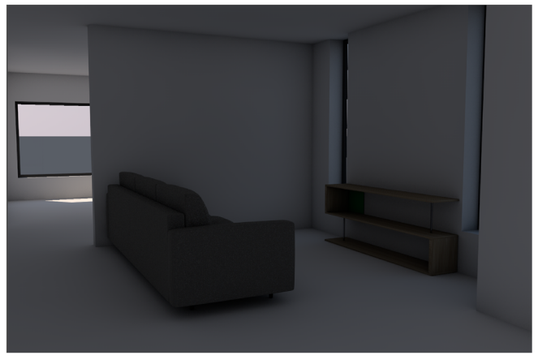
LIVING ROOM AREA

FEATURE SHELF
DETAILS TO FOLLOW

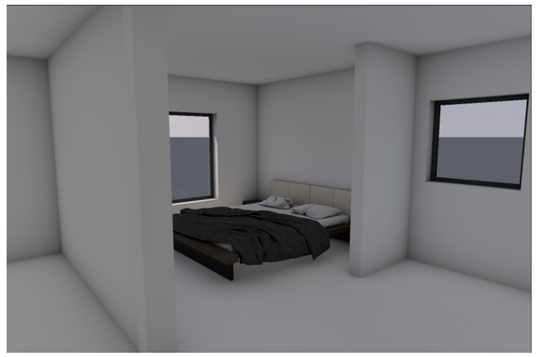
BEDROOM

SHOP

MAXON
CINEMA4D



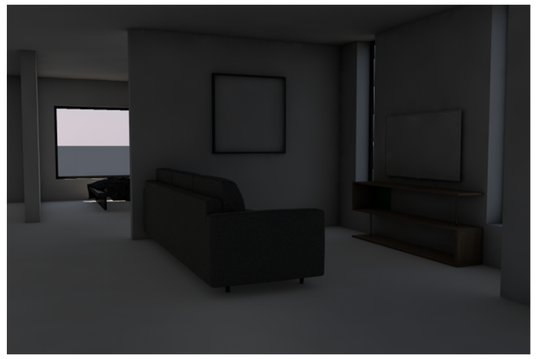
BEGINNING MODEL



ADD BACKROUND DETAIL



...



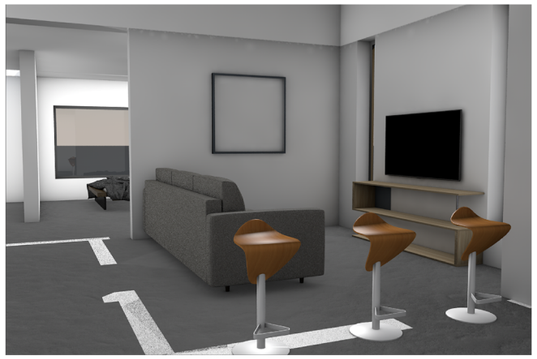
ADD TV & UNIT



INITIAL LIGHTING



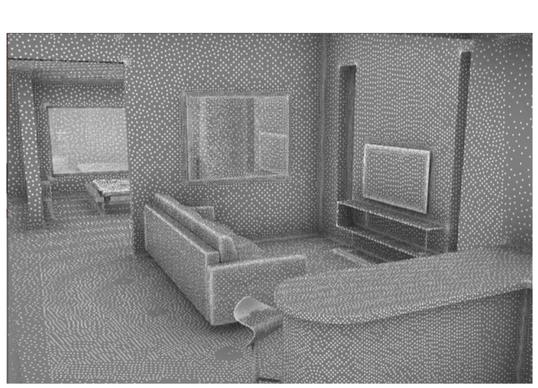
ADD BARSTOOLS



ADD CARPET TEXTURE



ADD KITCHEN COUNTER



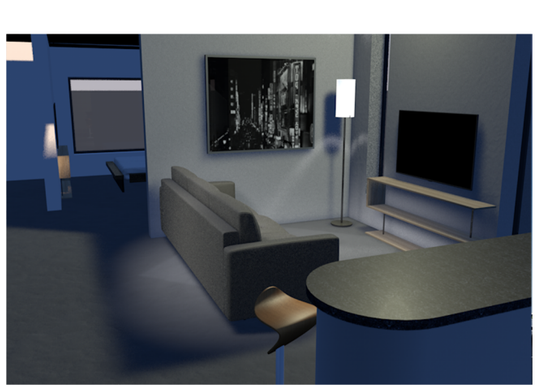
GLOBAL ILLUMINATION RENDERING



ADD GRASS



ADD LAMP LIGHT



COMBINE LAMP AND OUTSIDE LIGHT

Ps
ADOBE
PHOTOSHOP



FIX LIGHTING/ADD PLANT



ADD COLOUR



PHOTOSHOP FINSIHING TOUCHES

THIS INTERIOR WAS MODELLED AND LIT INSIDE MAXON C4D WITH FINAL TOUCHES BEING ADDED USING ADOBE PHOTOSHOP. ADVANCED RENDERING TECHNIQUES SUCH AS GLOBAL ILLUMINATION AND AMBIENT OCCLUSION ARE USED TO GENERATE THE DETAILED SHADOWS AND LIGHTING FOUND IN THIS VISUAL.

## VISUAL DEVELOPMENT: APARTMENT INTERIOR

**EXTREMELY HOT CLIMATE**
HOT AND RAINY SUMMERS

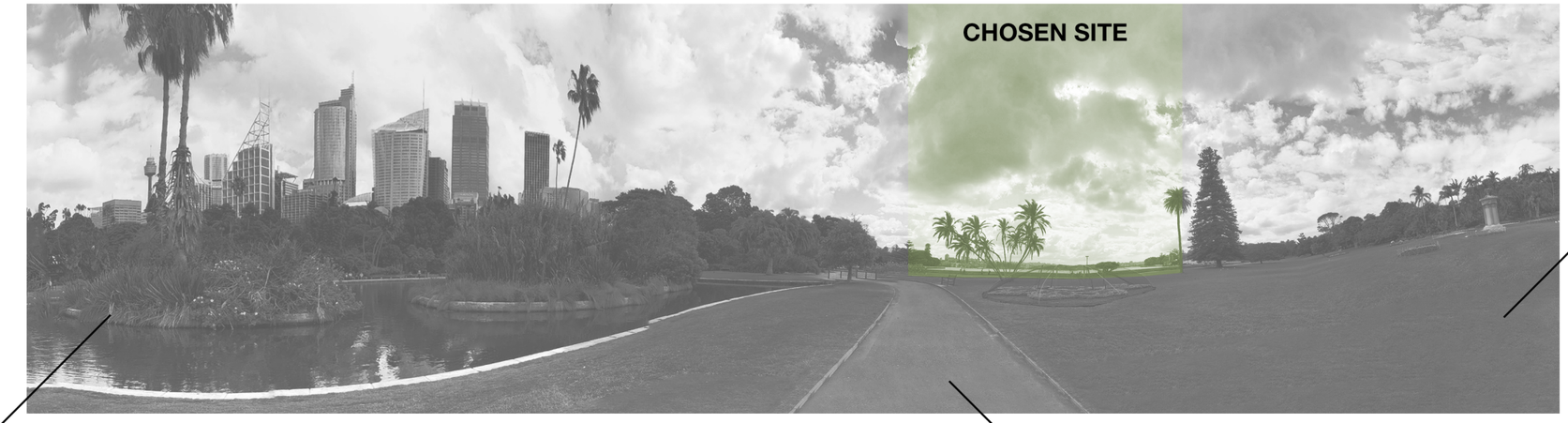
**VEGETATION NEARBY**
AVOID CUTTING TREES
WHERE POSSIBLE

**SPECTACULAR VISTA**
WINDOWS WILL BE KEY

**BUSY PATHWAY**
MAIN ACCESS TO BUILDING

**NEAR OCEAN**
HUMID CLIMATE






**OPEN GRASSLAND SITE**
VERY FLEXIBLOE
BUILDING SPACE

**NEARNY LAKE**
BUGS COULD BE AN ISSUE

**NETWORK OF PATHWAYS**
NO VEHICULAR ACCESS




231 DAYS

134 DAYS

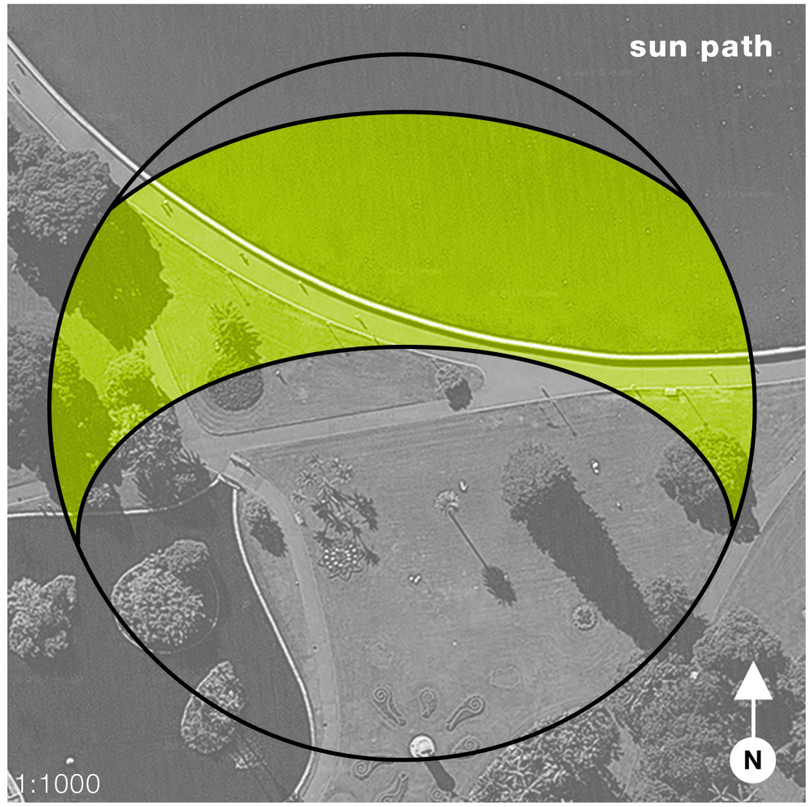
20 / YEAR

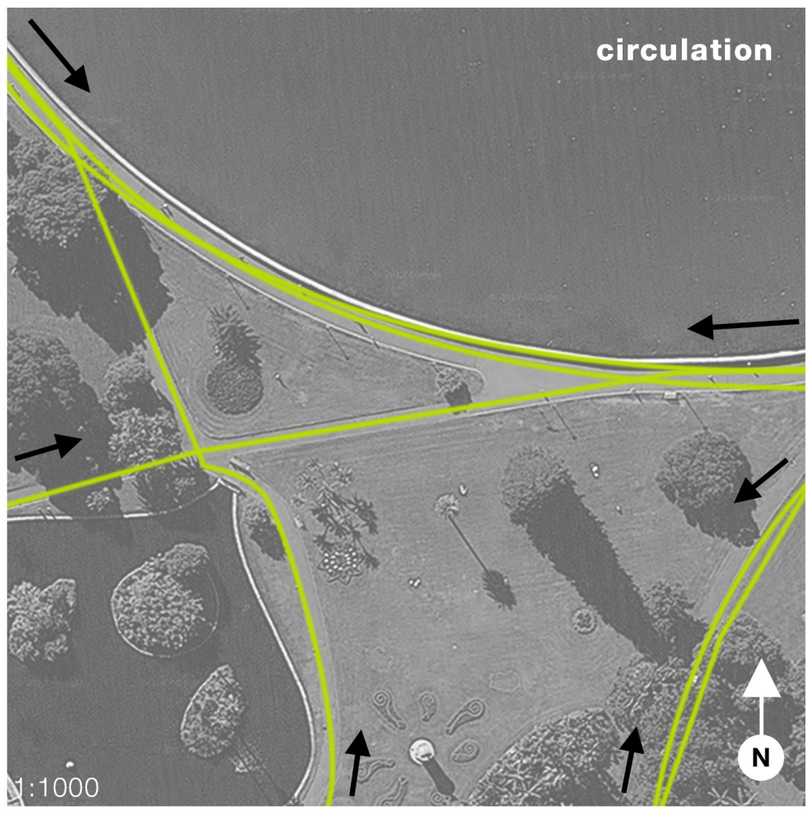
MAX AVG: 13.8 km/h

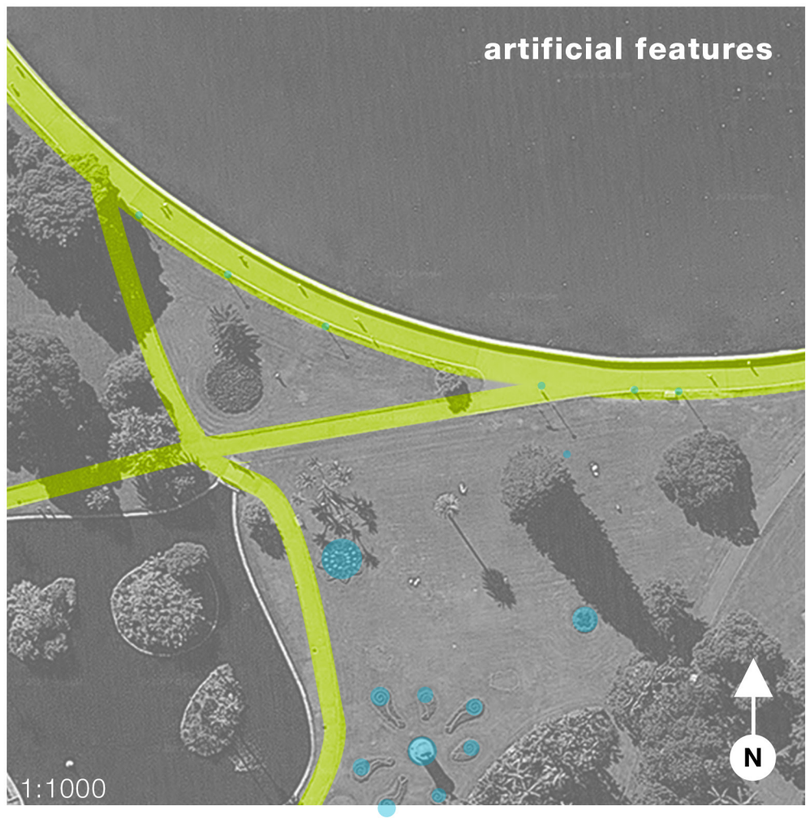
AVG HI: 22.5°C
REC HI: 45.8°C

AVG LO: 14.5°C
REC LO: 2.1°C



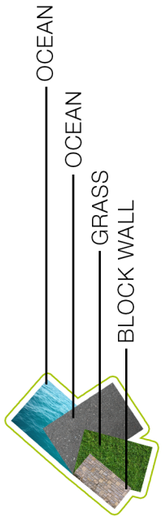



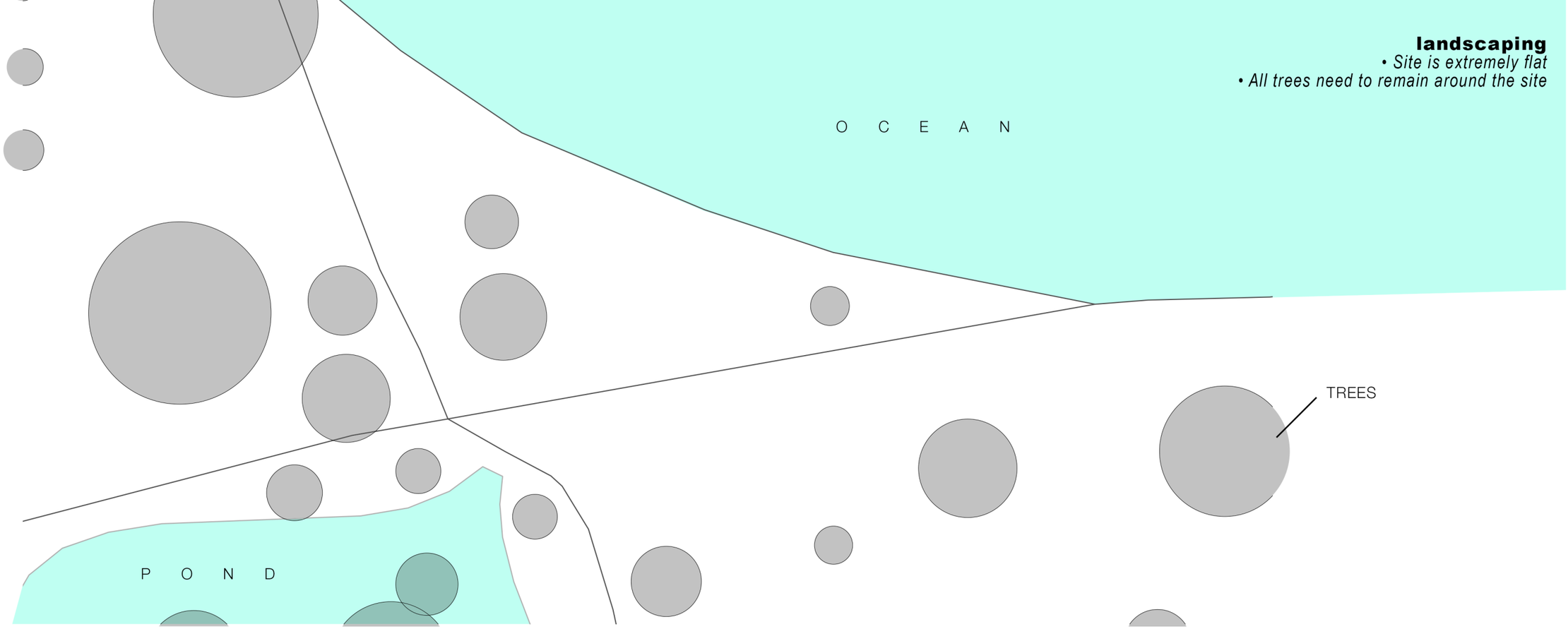

**SITE ANALYSIS MAPS** [1:1000]

**orignal landscaping [1:500]**



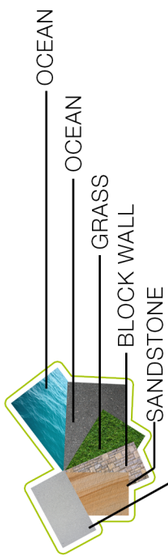






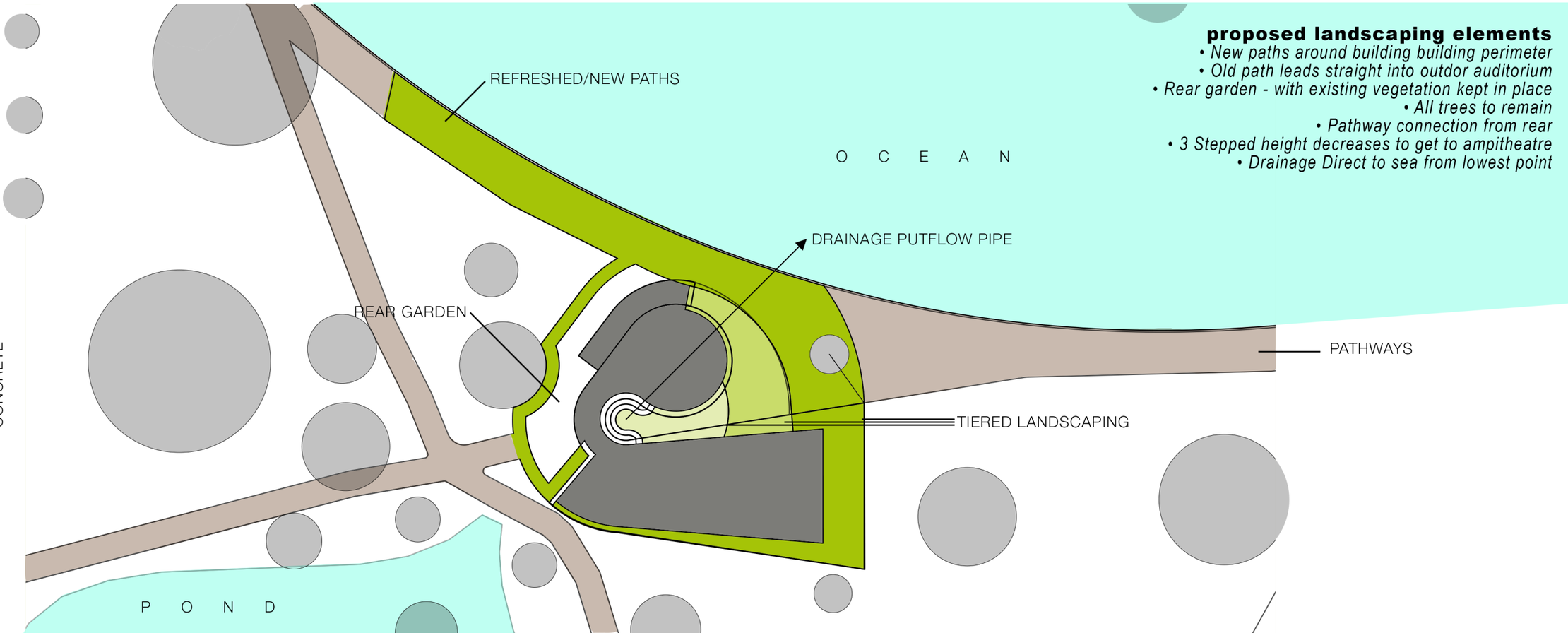

**landscaping**
- *Site is extremely flat*
- *All trees need to remain around the site*

**proposed landscaping [1:500]**

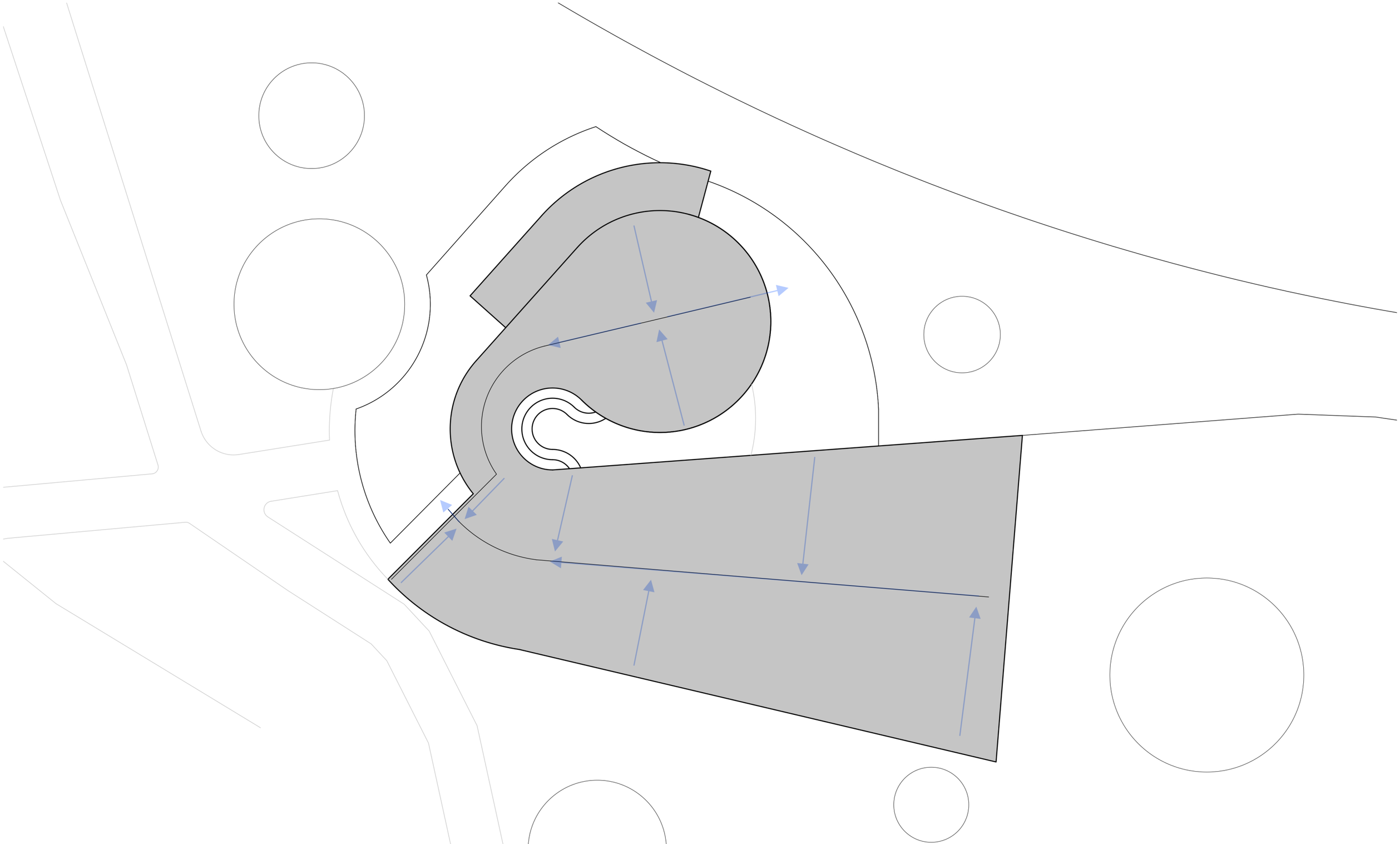









**proposed landscaping elements**
- *New paths around building building perimeter*
- *Old path leads straight into outdor auditorium*
- *Rear garden - with existing vegetation kept in place*
- *All trees to remain*
- *Pathway connection from rear*
- *3 Stepped height decreases to get to ampitheatre*
- *Drainage Direct to sea from lowest point*

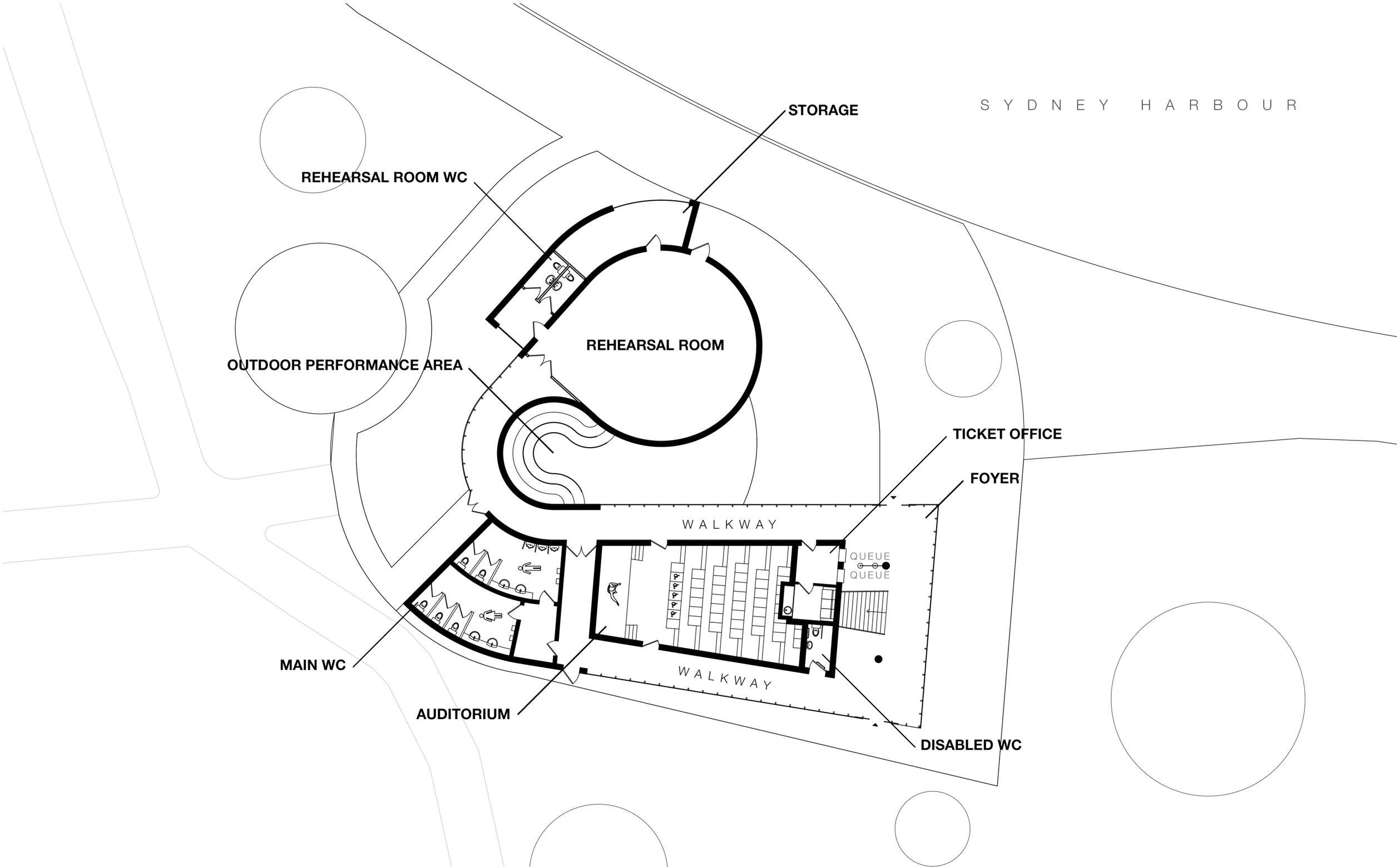


**ROOF PLAN + DRAINAGE**

ITHE ROOF CURVES IN SICH A WAY THAT MAKES WATER FLOW TO THE REAR OF THE BUILDING. THE ROOF CHANNELS WATTER INTO THE CENTER [WHERE IT IS HEAVILLY SUPPORTED]  AND RUNS IT DOWN.

**ROOF PLAN** [1:200]

DRAINAGE ILLUSTRATTION



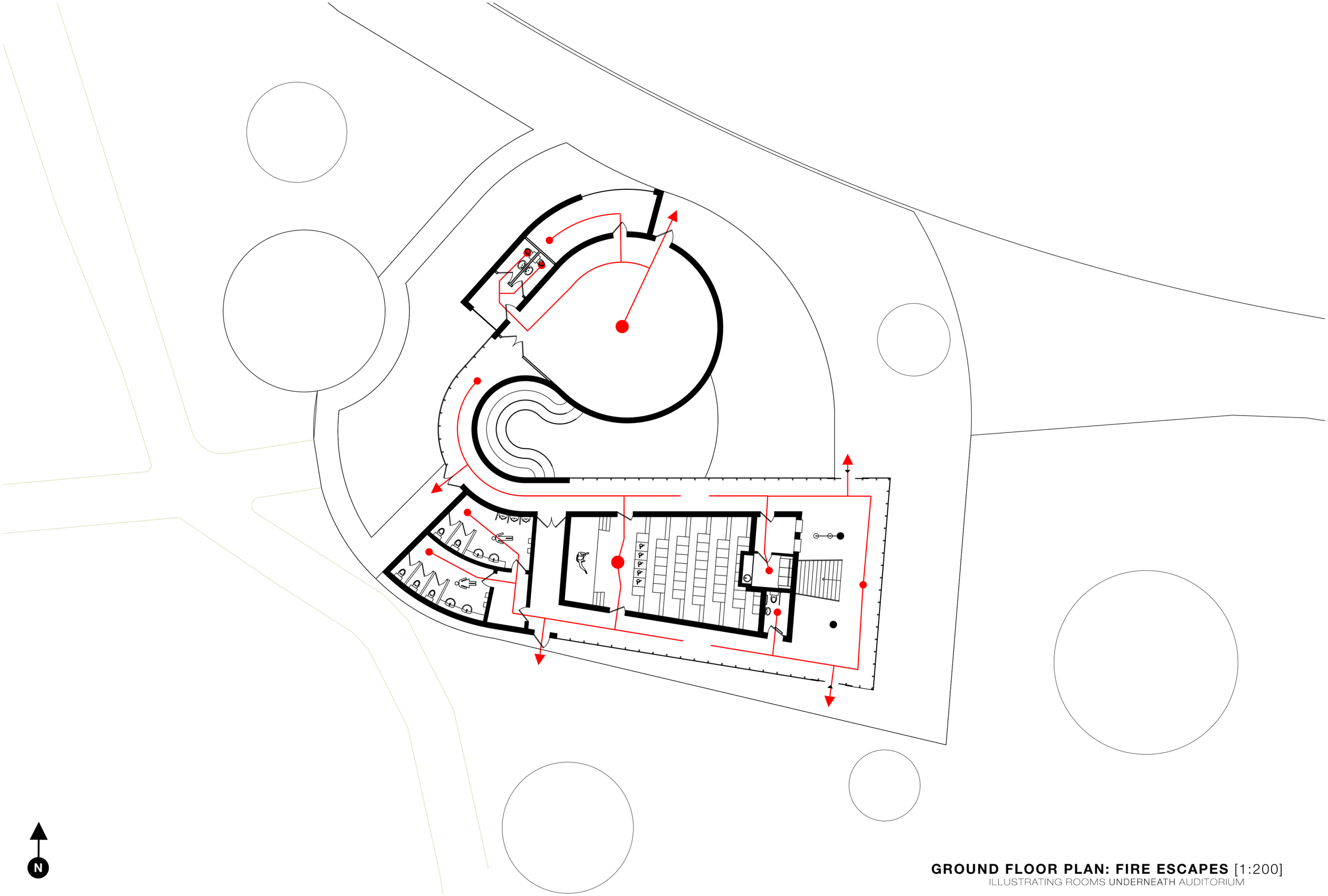

**GROUND FLOOR THINKING**

ITHE GROUND FLOOR SURROUNDS THE AUDITORIUM, ENCLOSING IT IN GLASS WALLS FROM 3 SIDES. THESE SPACES ARE WALKWAYS AND EMPHASIZE THE IMPORTANCE OF THE AUDITORIUM WITHIN THE SPACE

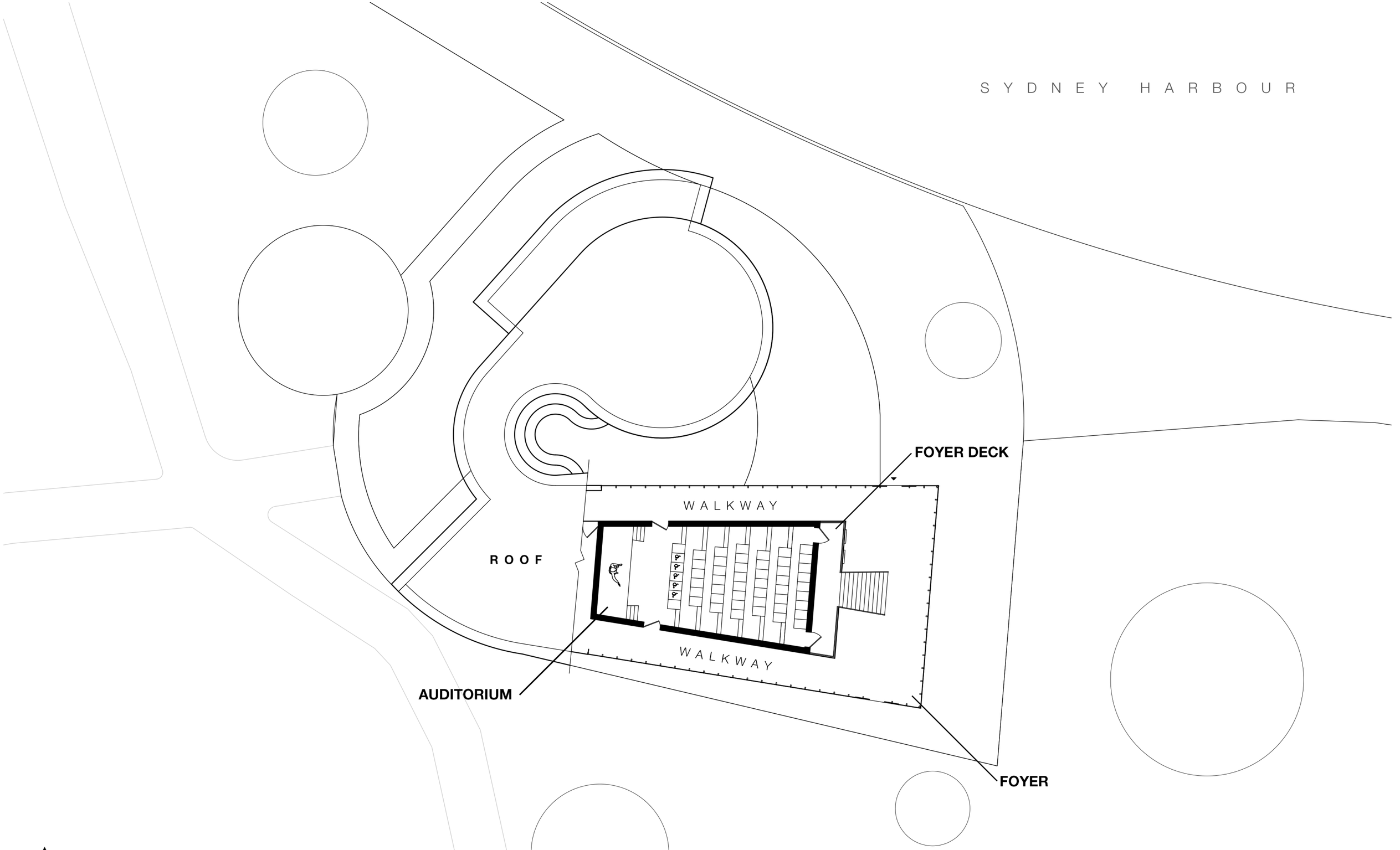
N

**GROUND FLOOR PLAN** [1:200]

ILLUSTRATING ROOMS **UNDERNEATH** AUDITORIUM



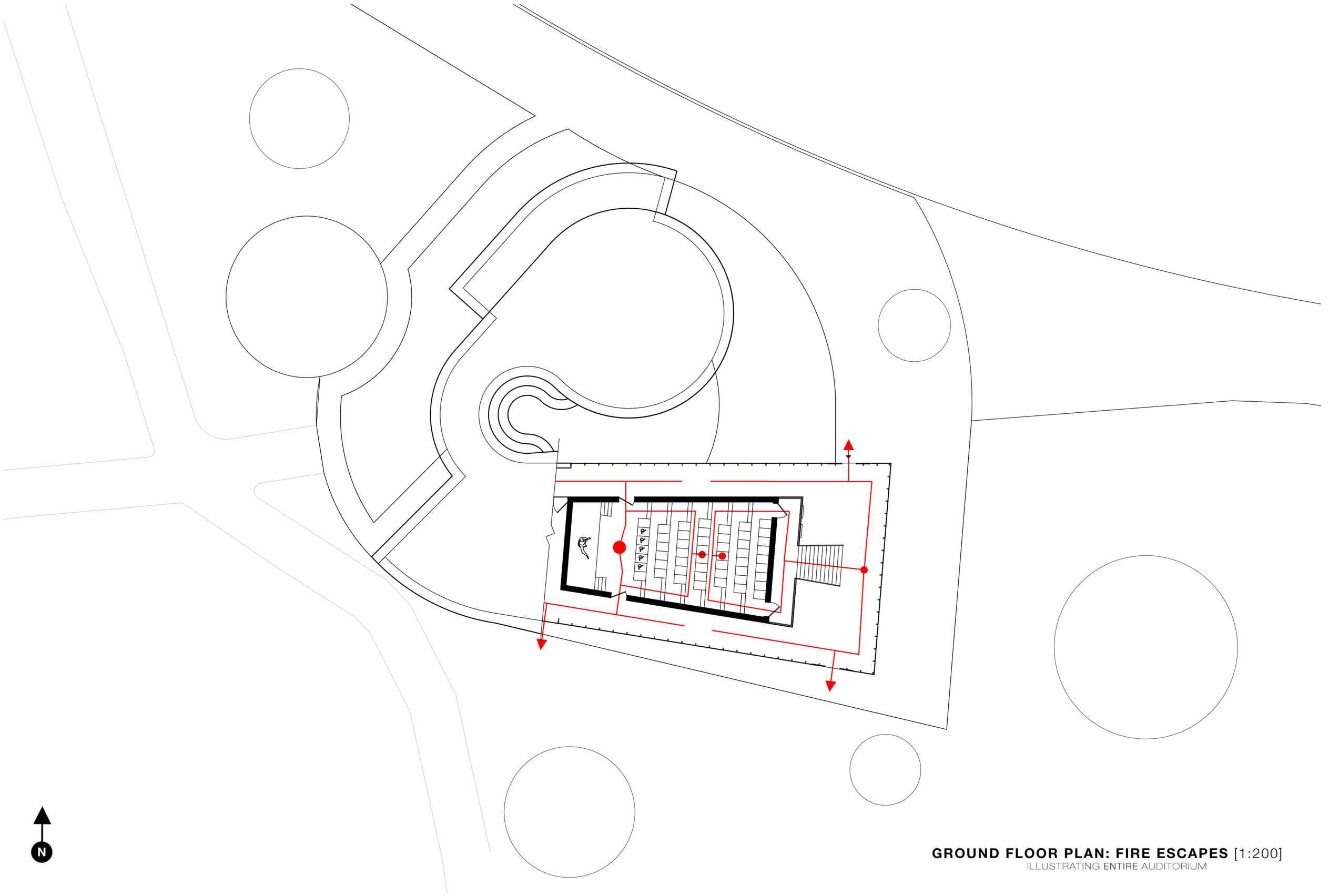

**GROUND FLOOR PLAN: FIRE ESCAPES** [1:200]
ILLUSTRATING ROOMS **UNDERNEATH** AUDITORIUM



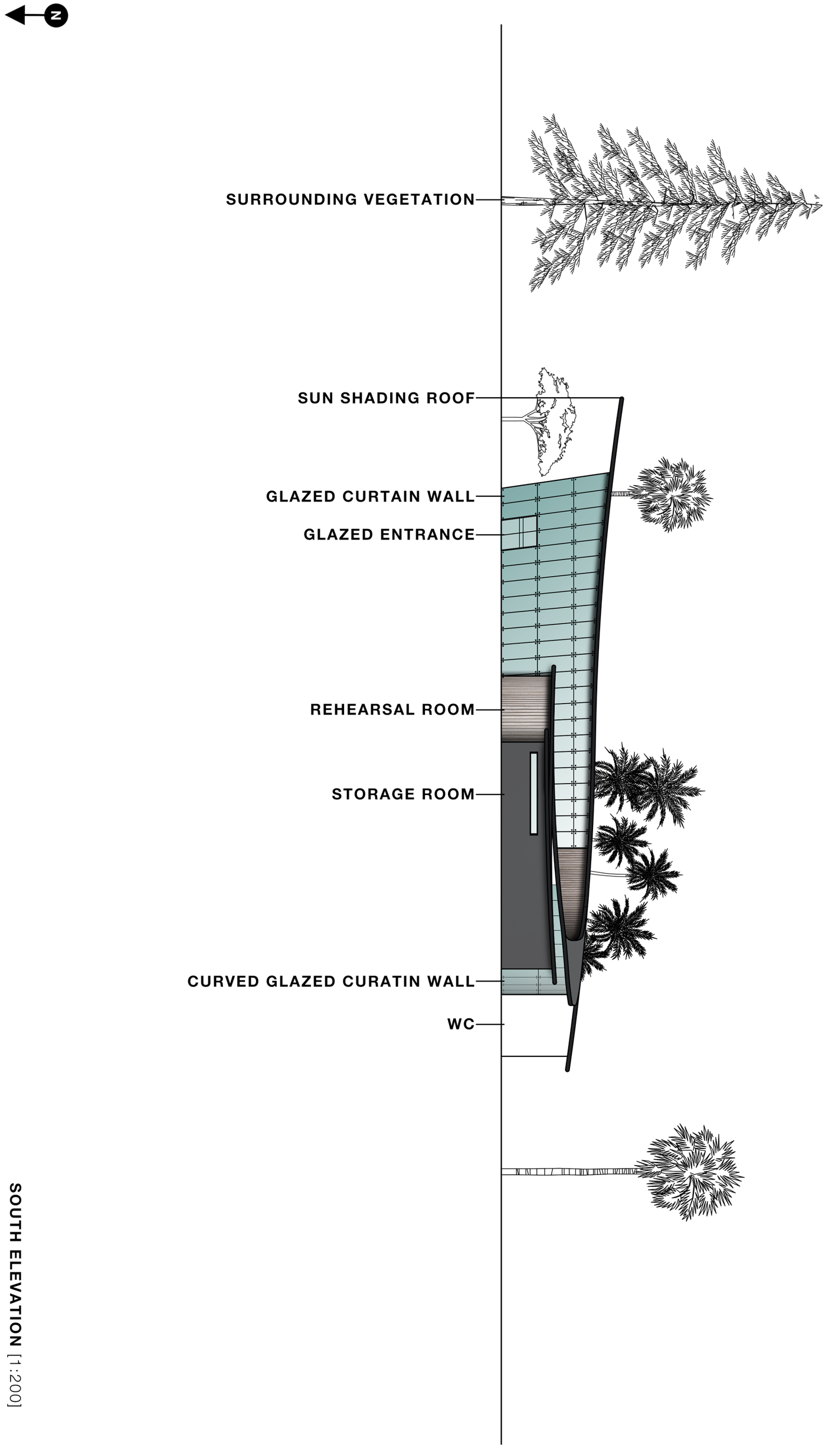

**1ST FLOOR THINKING**

ITHE FIRST FLOOR ONLY CONSISTS OF THE FOYER DECK, WHICH FUNCTIONS AS THE REAR ENTRANCE/EXIT TO THE AUDITORIUM. UNDER THIS DECK SITS THE TICKET OFFICE, STAFF ROOM AND ACCESSABLE WC. THE ENTIRE AUDITORIUM IS ILLUSTRATED IN THIS PLAN.

**1ST FLOOR PLAN** [1:200]
ILLUSTRATING **ENTIRE** AUDITORIUM




**GROUND FLOOR PLAN: FIRE ESCAPES** [1:200]
ILLUSTRATING **ENTIRE** AUDITORIUM




**SOUTH ELEVATION** [1:200]

**CONCRETE ROOF**

ACTS AS A THERMAL CORE. ABSORBS HEAT IN DAYTIME AND RELEASES IT AT NIGHT REGULATES TEMPERATURE.

summer

winter

PROVIDES PROTECTION DURING SUMMER MONTHS AND LETS LIGHT IN DURING WINTER MONTHS. TEMP CONTROL

**SOLAR SHADING**

**TRIPLE GLAZING**

EXPENSIVE, BUT WILL INSULATE WELL AGAINST SYDNEY SUN.

**AMPITHEATRE**

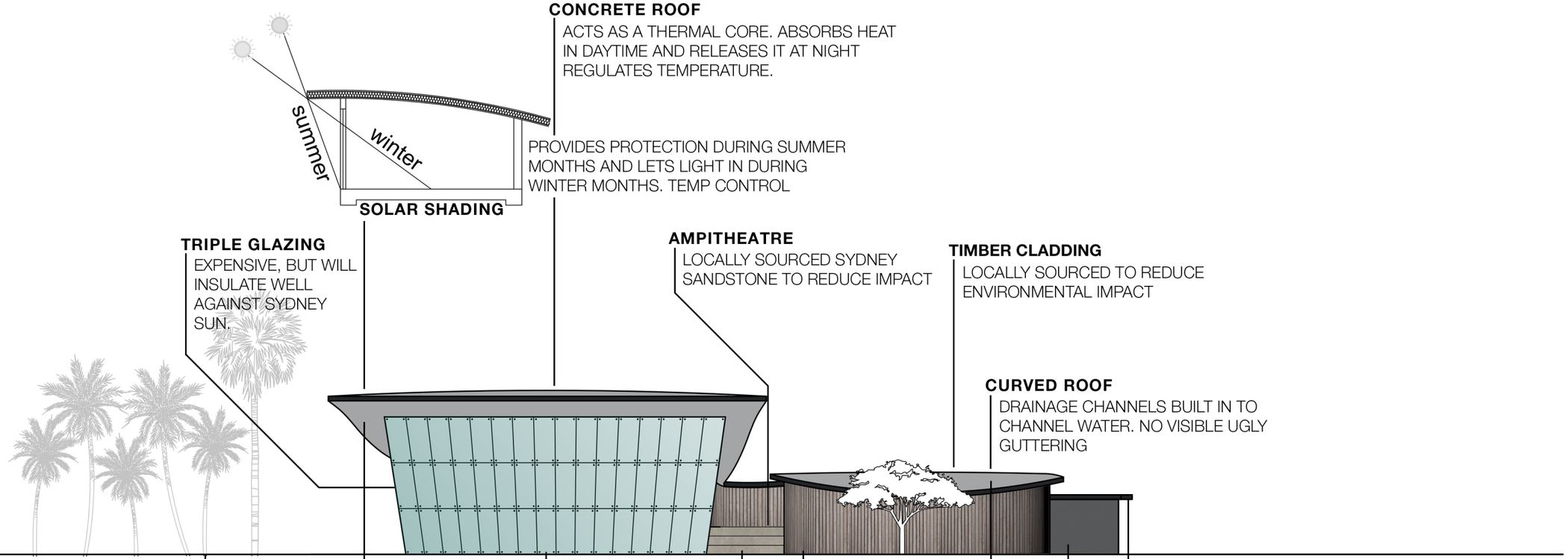
LOCALLY SOURCED SYDNEY SANDSTONE TO REDUCE IMPACT

**TIMBER CLADDING**

LOCALLY SOURCED TO REDUCE ENVIRONMENTAL IMPACT

**CURVED ROOF**

DRAINAGE CHANNELS BUILT IN TO CHANNEL WATER. NO VISIBLE UGLY GUTTERING



**SURROUNDING FOLIAGE**

**SOLAR SHADING**

**GLAZED CURTAIN WAL**

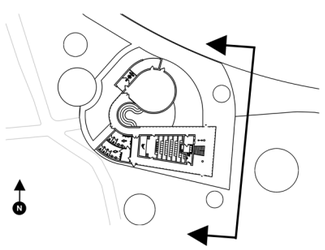
**OUTDOR AMPITHEATRE**

**REHEARSAL ROOM**

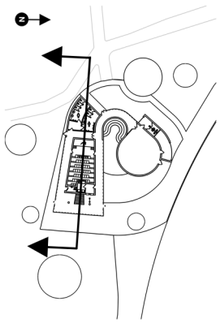
**ROOF**

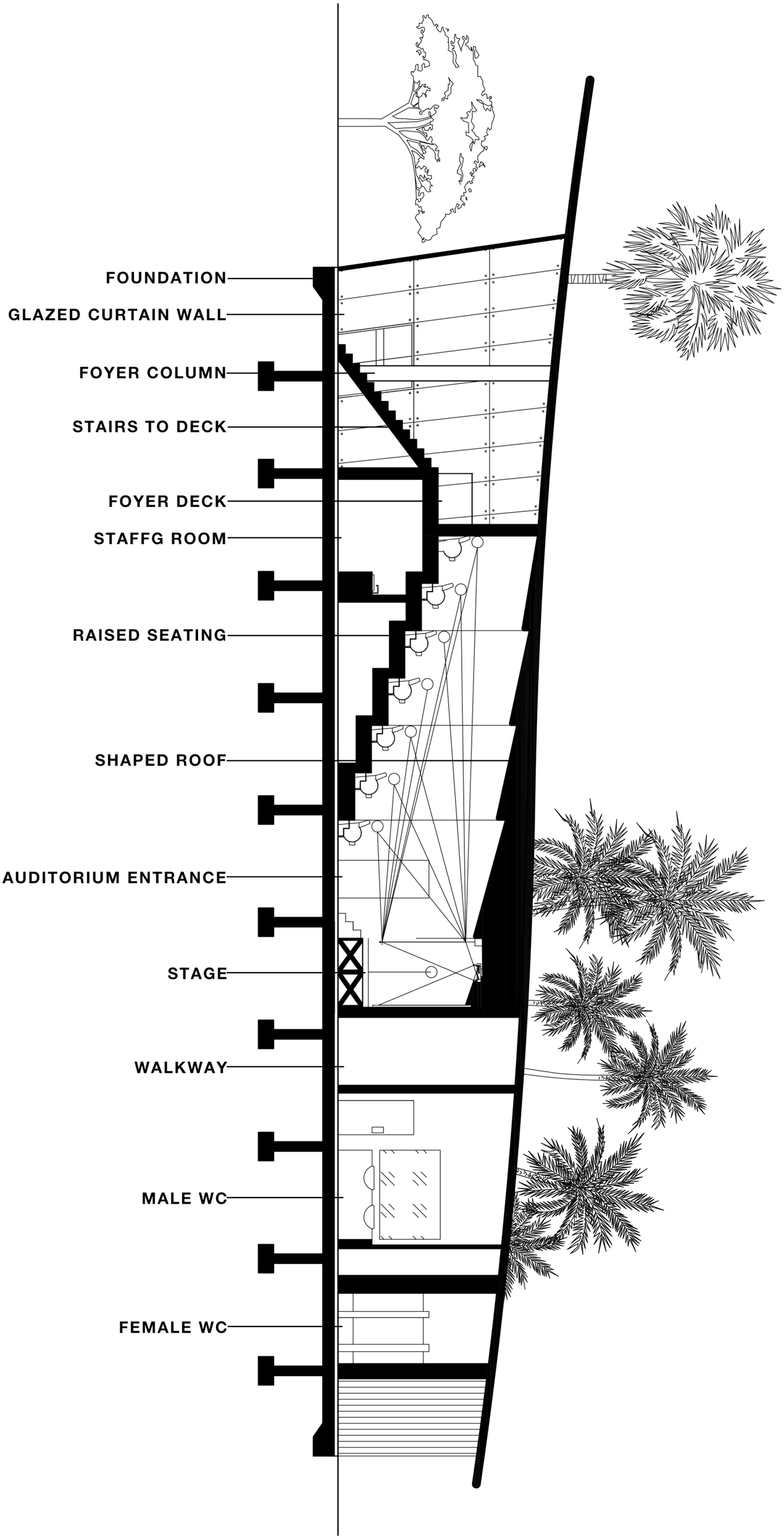
**STORAGE ROOM**

**SOLAR SHADING**



**EAST ELEVATION** [1:200]





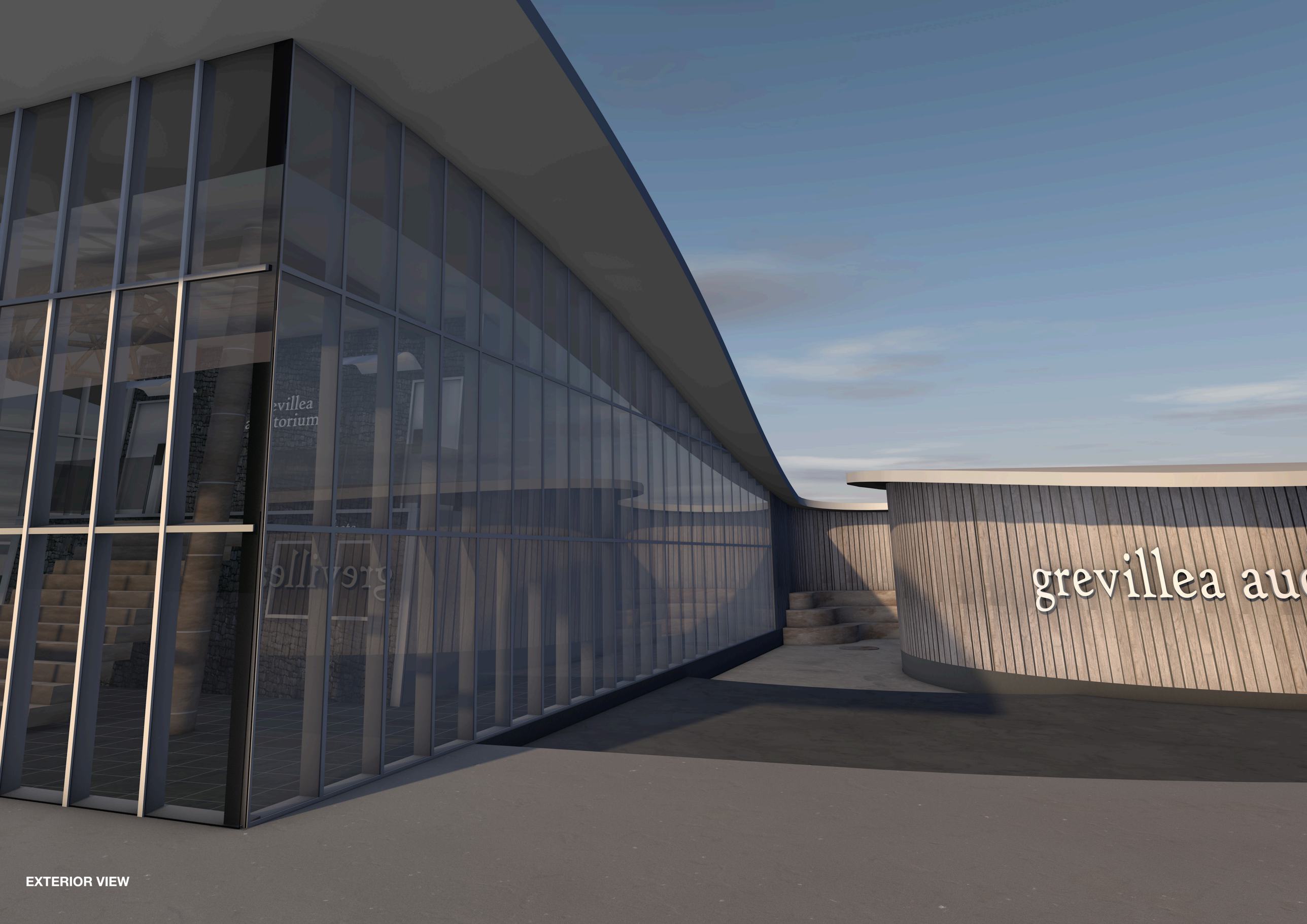

**LONG SECTION** [1:100]



**OUTDOOR PERFORMANCE AREA**

THE MODEL USED IN THESE RENDERS IS THE MOST COMPLICATED I HAVE EVER CREATED. DUE TO THE NATURE OF THE GLASS WALLS. IT WAS NECESSARY TO CONTAIN THE INSIDE AND OUTSIDE MODEL IN THE SAME SCENE. THE RESULT IS THAT THIS BUILDING IS FULLY NAVIGATABLE IN 3D, IF NOT QUITE FURNISHED IN SOME AREAS.

EACH PART WAS DRAWN IN AUTOCAD, IMPORTED TO CINEMA 4D. ALL LIGHTING AND TEXTURING TAKES PLACE IN CINEMA 4D, WITH FINISHING TOUCHES ADDED IN PHOTOSHOP.




EXTERIOR VIEW

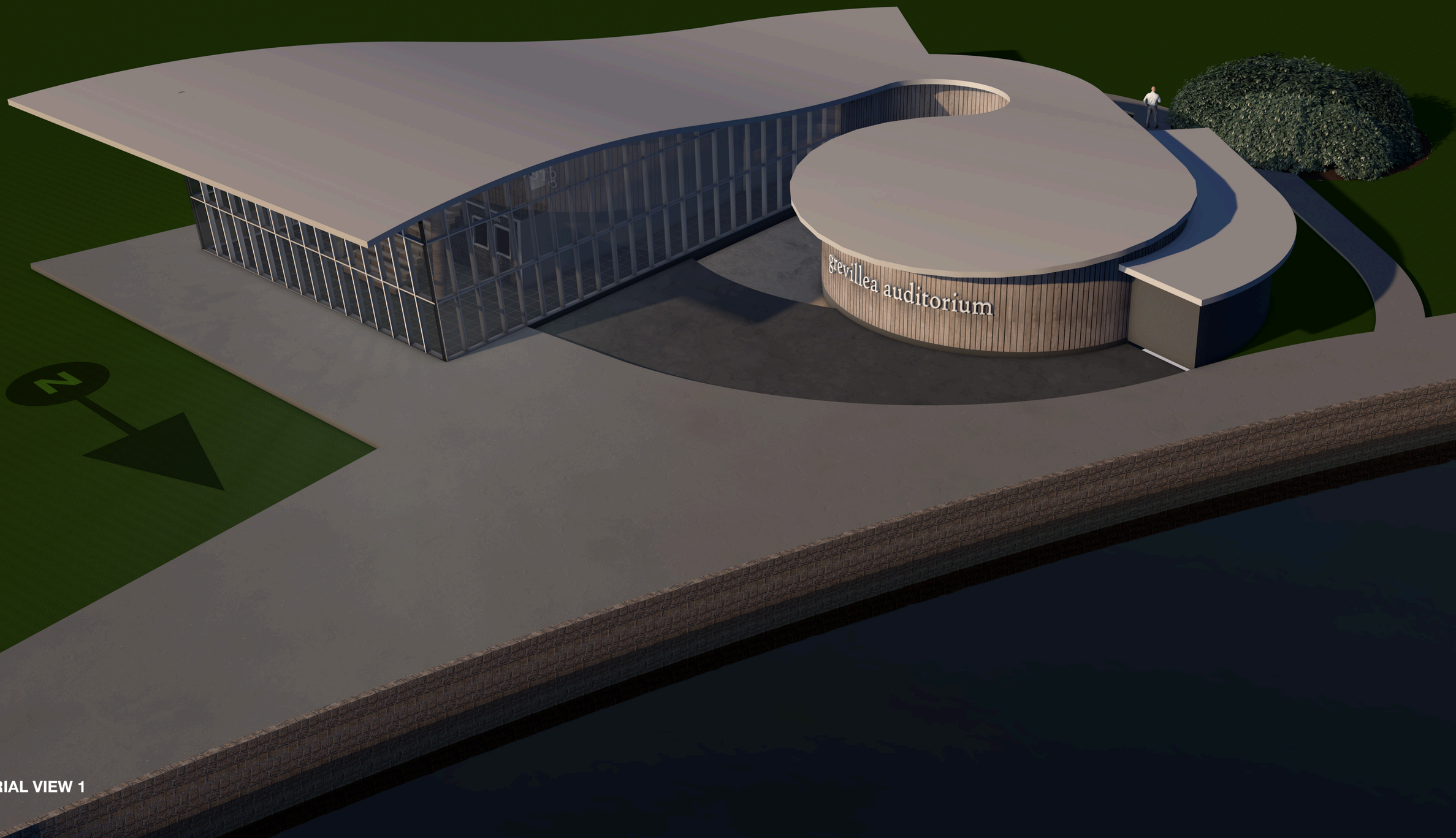



FOYER

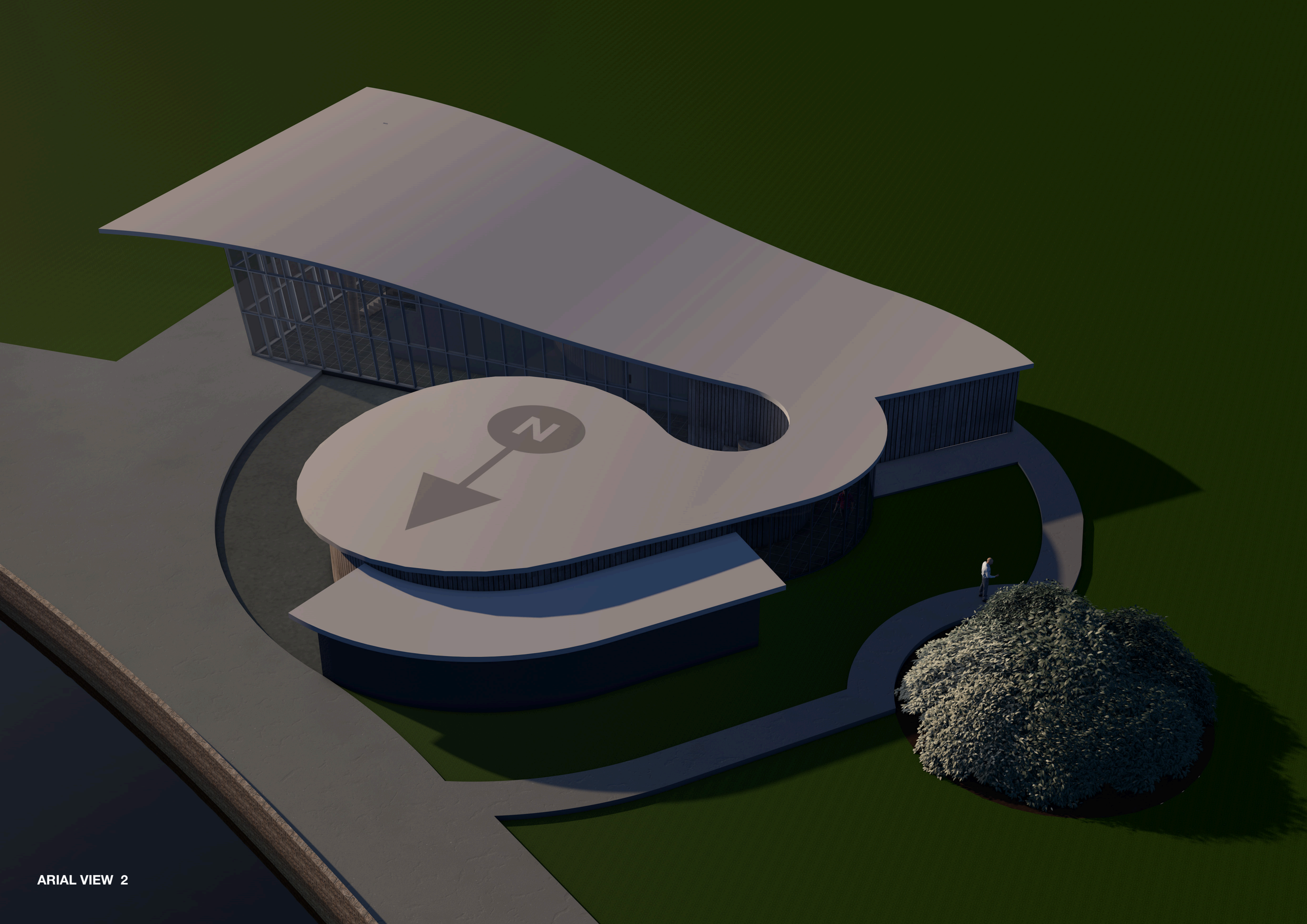
REAR GARDEN

SIGN

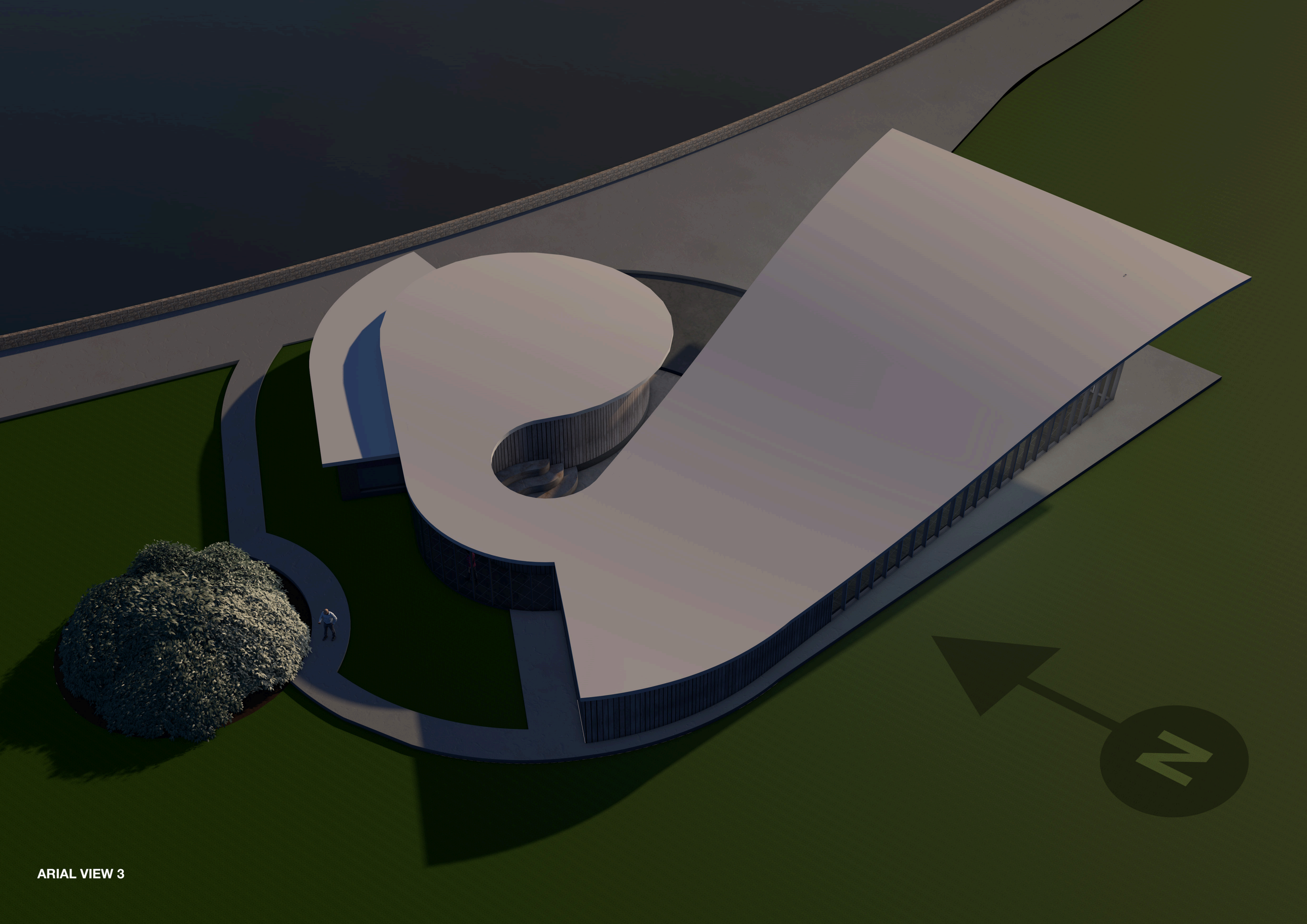
AUDITORIUM VISUAL




ARIAL VIEW 1



ARIAL VIEW 2




ARIAL VIEW 3

# ORIGINAL PRESENTATION [2x A1]

william doble 13488782




**greville auditorium**

*grevillea: an evergreen tree or shrub which bears conspicuous flowers that lack petals, most kinds of which are native to Australia.*



lobby



rear garden



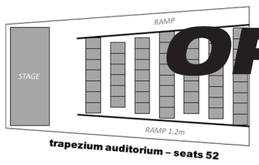
outdoor amphitheatre



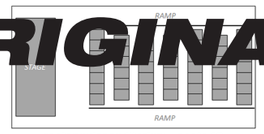
auditorium

william dobie 13488782

# ORIGINAL PRESENTATION [2x A1]

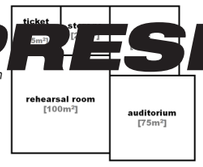



trapezium auditorium – seats 52




rectangular auditorium – seats 46

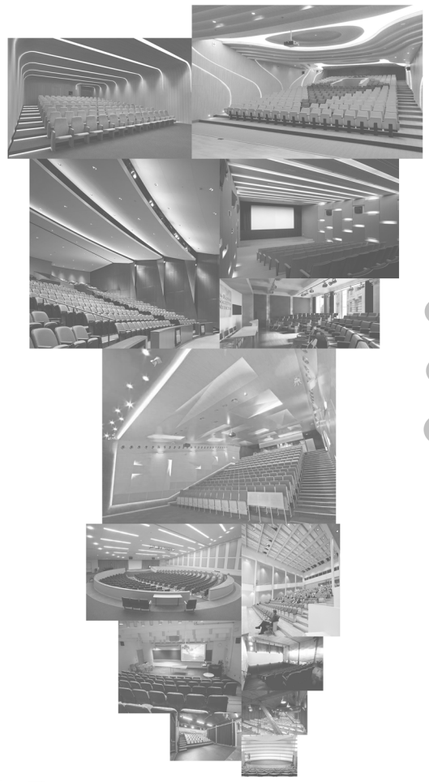
*experiments with different ... theatres for ... The ... auditorium are 75m². The trapezoid auditorium can seat an extra 6 people when compared to the rectangular one*

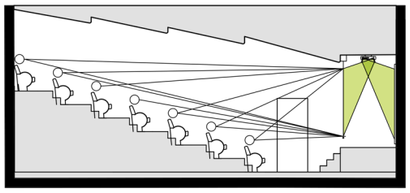


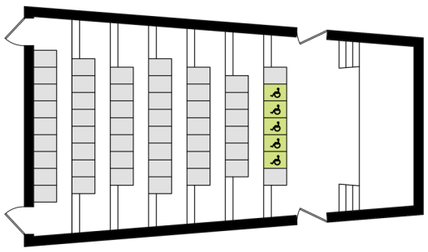

original landscaping [1:500]

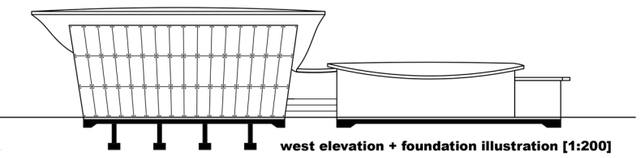
## auditorium

*The auditorium in this building is designed for presentations, small speeches, community classes and also doubles as an indie movie theatre. To accomodate these functions there are two screens in the auditorium, in front and behind the stage. There is a short throw projector mounted on a rotatable plate that can project onto either screen. The front one for movies, the rear one for presentations. The auditoria's seating is designed so that one can see the top and bottom of the front screen no matter where they are sat. this also ensures that at any seat a speaker will be clearly visible and audible. The auditoria's roof has been shaped to breakup the roof surface and reduce echo, and there are noise reduction panels along the left and right walls. The auditorium is also wheelchair accesable - with 5 designated chairs reserved for up to 3 wheelchair users to sit in front of.*

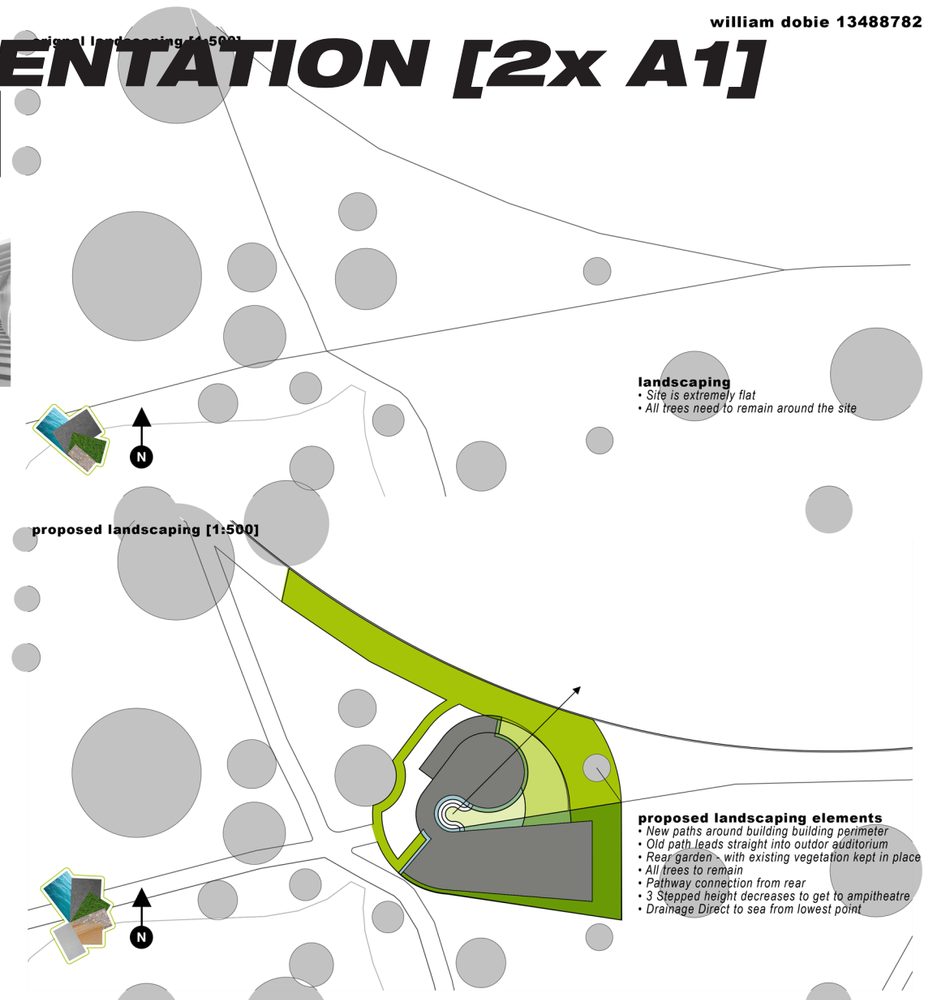








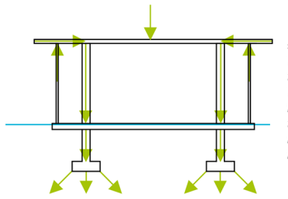
west elevation + foundation illustration [1:200]




proposed landscaping [1:500]

**landscaping**
- *Site is extremely flat*
- *All trees need to remain around the site*

**proposed landscaping elements**
- *New paths around building building perimeter*
- *Old path leads straight into outdor auditorium*
- *Rear garden - with existing vegetation kept in place*
- *All trees to remain*
- *Pathway connection from rear*
- *3 Stepped height decreases to get to ampitheatre*
- *Drainage Direct to sea from lowest point*



**structural explaination**

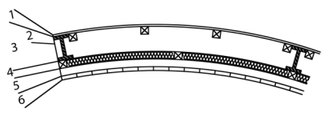
*The outer most, glazed curtain walls are not structural. The loads are transfered to the formed concrete roof which is cantilevered over the North, East and South sides. The roof transfers it's load to the steel column structural walls of the auditorium below and to two columns in the lobby. From here the load of the building is tranfered into a concrete isolated spread footings foundation under the auditorium - with a more lightweight raft foundation underneath the walkways and rehearsal room as shown in the drawing above..*

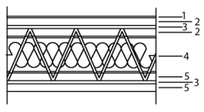
**roof detail [1:10]**

*Concrete was chosen for the roof material for two reasons, despite not being the most sustainable. Concrete acts as a thermal mass which will be essential in keeping the building passively cooled. It is also structurally appropriate for the cantilevers and shapes that are so prominant in the roof design.*

**wall detail [1:20]**

*1: Flexible Plasterboard*
*2: Flexiboard Framework*
*3: Structural Steel*
*4: Vertical Timber Frame*
*5: Horizontal Timber Frame*
*6: Vertical Timber Classing*

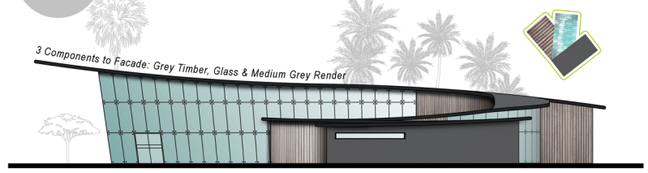


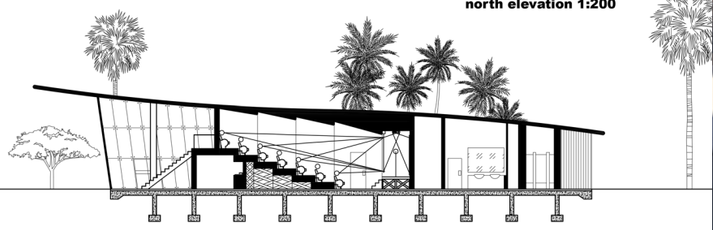

*1: Waterproof Membrane*
*2: Outer Concrete Skin*
*3: Steel Reinforcement Truss*
*4: Rigid Foam Insulation*
*5: Inner Concrete Skin*



north section 1:200



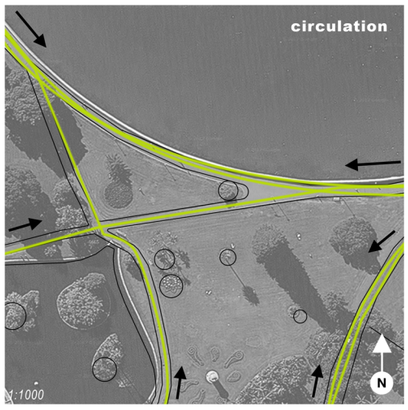

north elevation 1:200

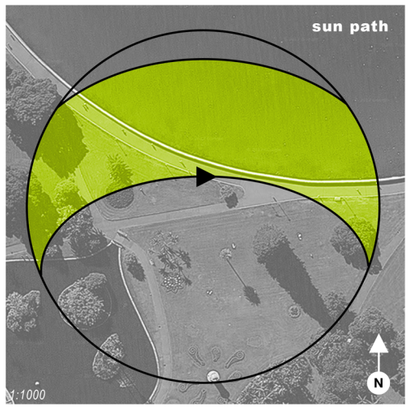


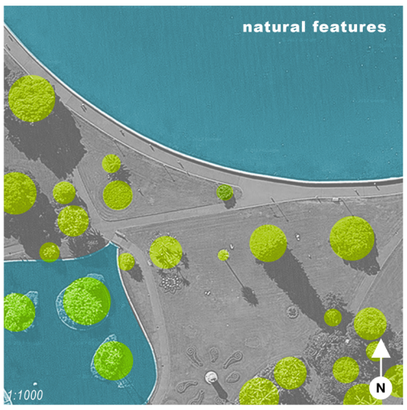


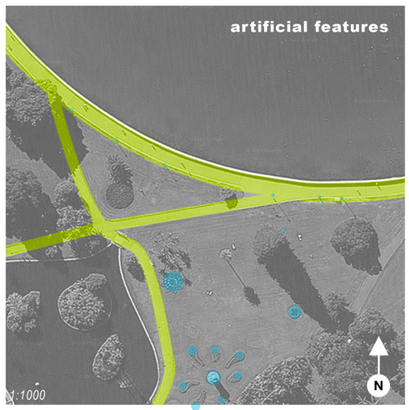


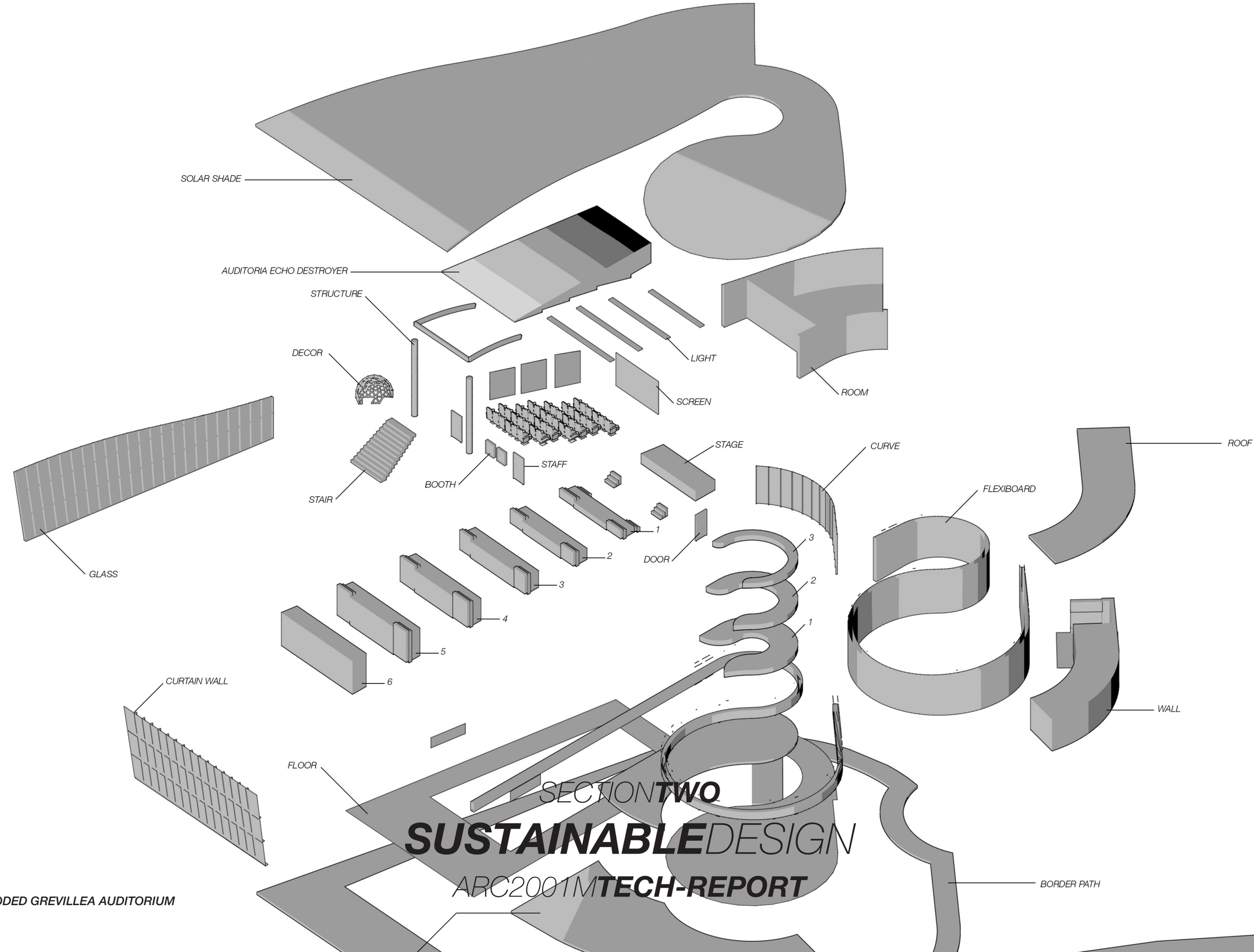





SECTION**TWO**

# **SUSTAINABLE**DESIGN

ARC2001M**TECH-REPORT**

***EXPLODED GREVILLEA AUDITORIUM***

**DOCUMENTS**

1: TECHNICAL REPORT

WILLIAM DOBIE

SECTION**THREE**

# ***INTEGRATED***DESIGN

ARC2003M**NEVERWHERE**

*IMAGE: SITE CONTEXT: GRAPHITI THEME*

# S E R P E N T I N E



FEARED BY MANY
*ESPECIALLY DOOR*

ONE OF SEVEN SISTERS

IMPERIOUS

ONLY WEARS THIS DRESS
*IT NEEDS A SPECIAL ROOM*

NEITHER HAPPY NOR SAD.

TOUCH OF CLASS

EYES SHARP

BEHAVE,
*OR SERPENTINE WILL TAKE YOU*

CONTEXT STREETSCAPE










CONTEXT STREETSCAPE



Windows should
not be blocked

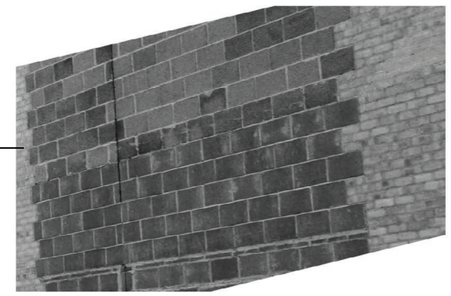
Towering Adjacent Building

Sign on Corner of Site



Adjacent Façade

Corner Street



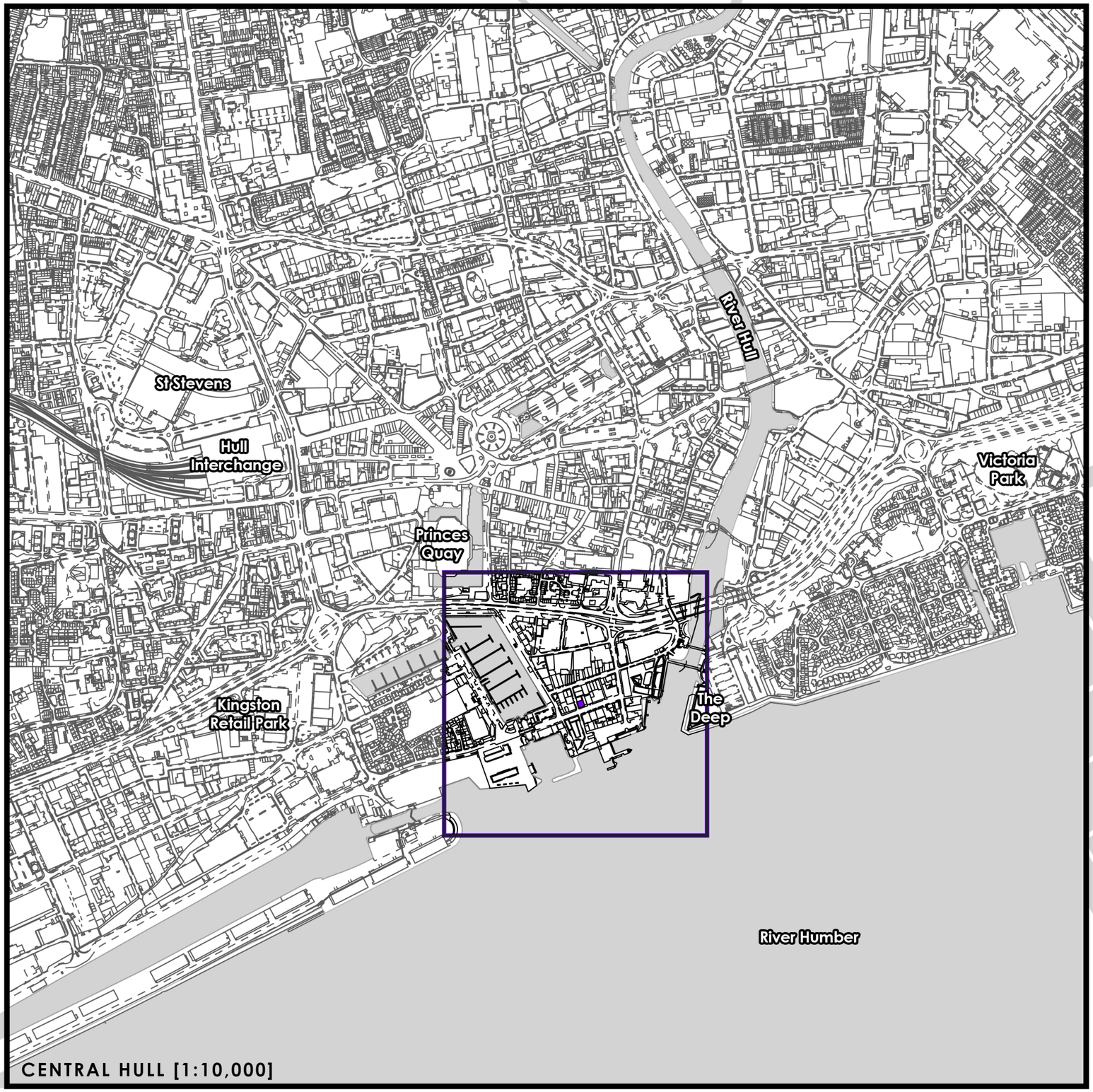
Ugly Blockwork



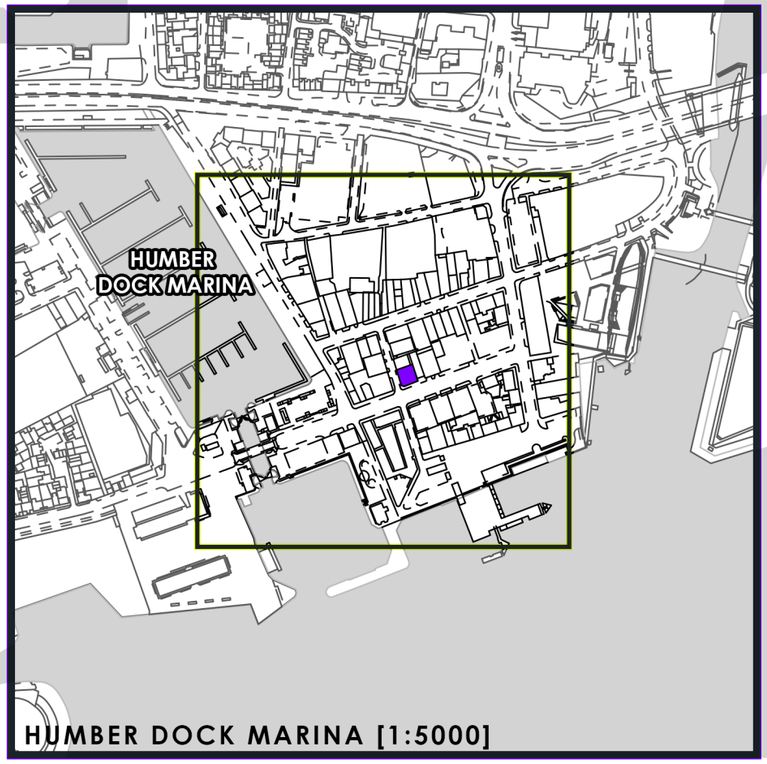
Gap in rear corner
of site

SUBJECT ANALYSIS

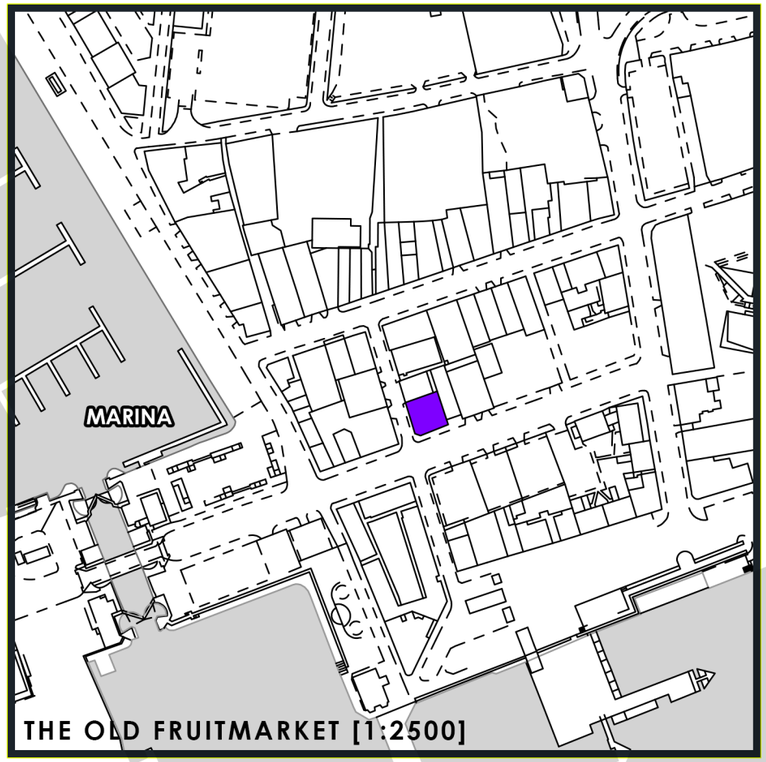
**THREE SITE FACTORS THINGS TO ADDRESS WITH THE BUILDING DESIGN**




CENTRAL HULL [1:10,000]

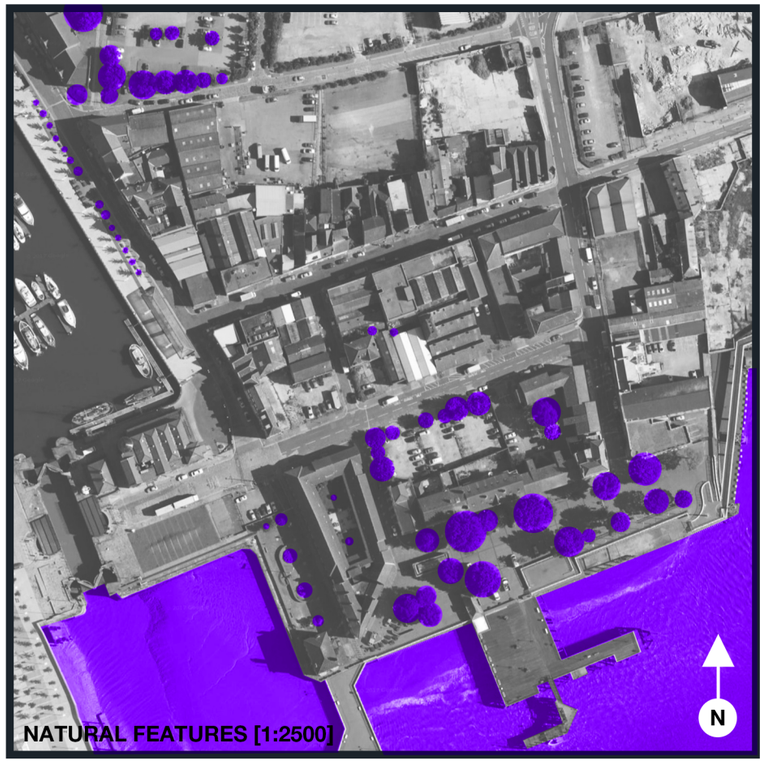



HUMBER DOCK MARINA [1:5000]




THE OLD FRUITMARKET [1:2500]



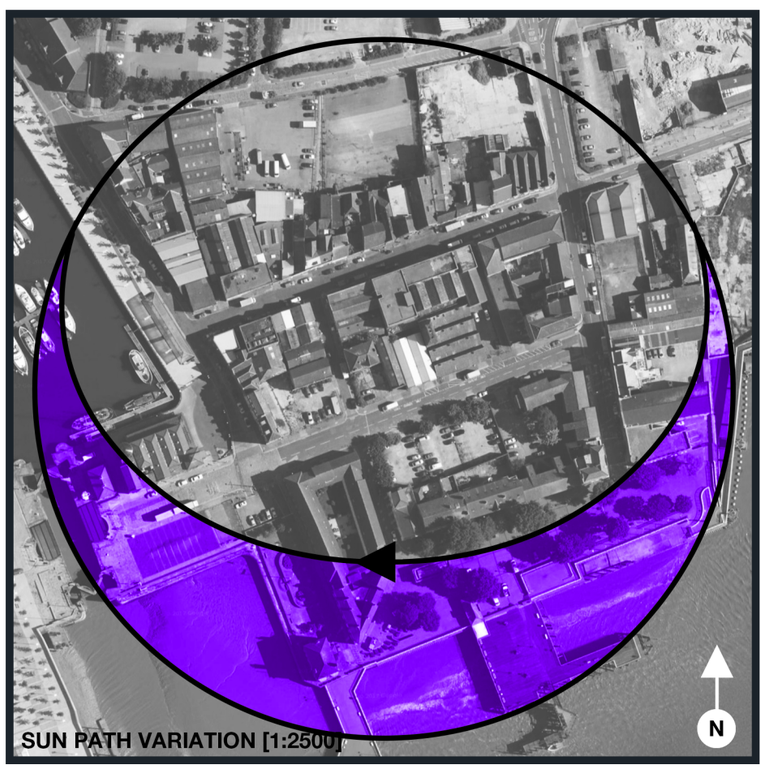

1512 H/Y

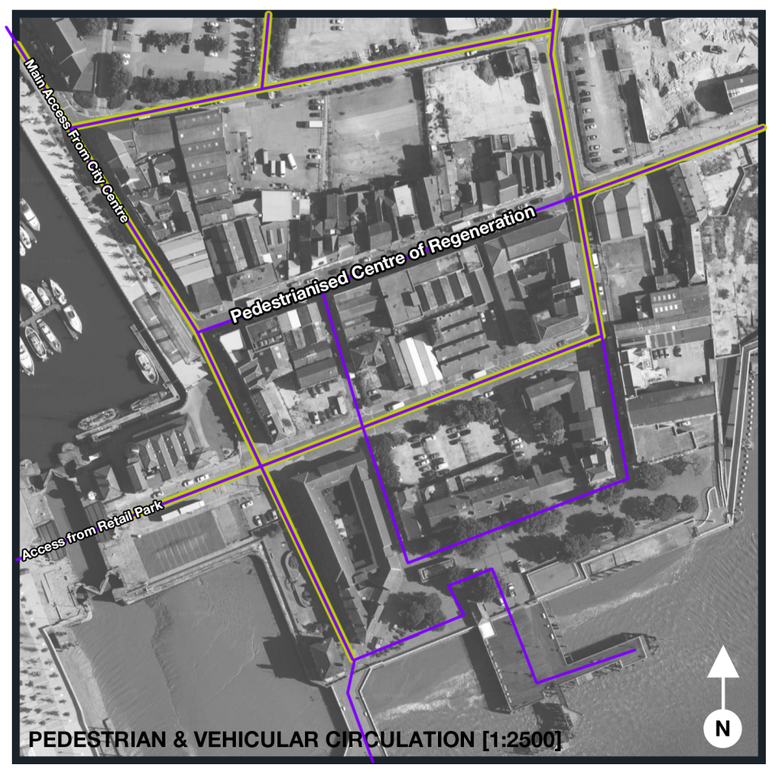
679MM/Y

MAX AVG: 13.8 km/h

AVG HI: 14.0°C
REC HI: 34.4°C

AVG LO: 6.7°C
REC LO: -11.1°C





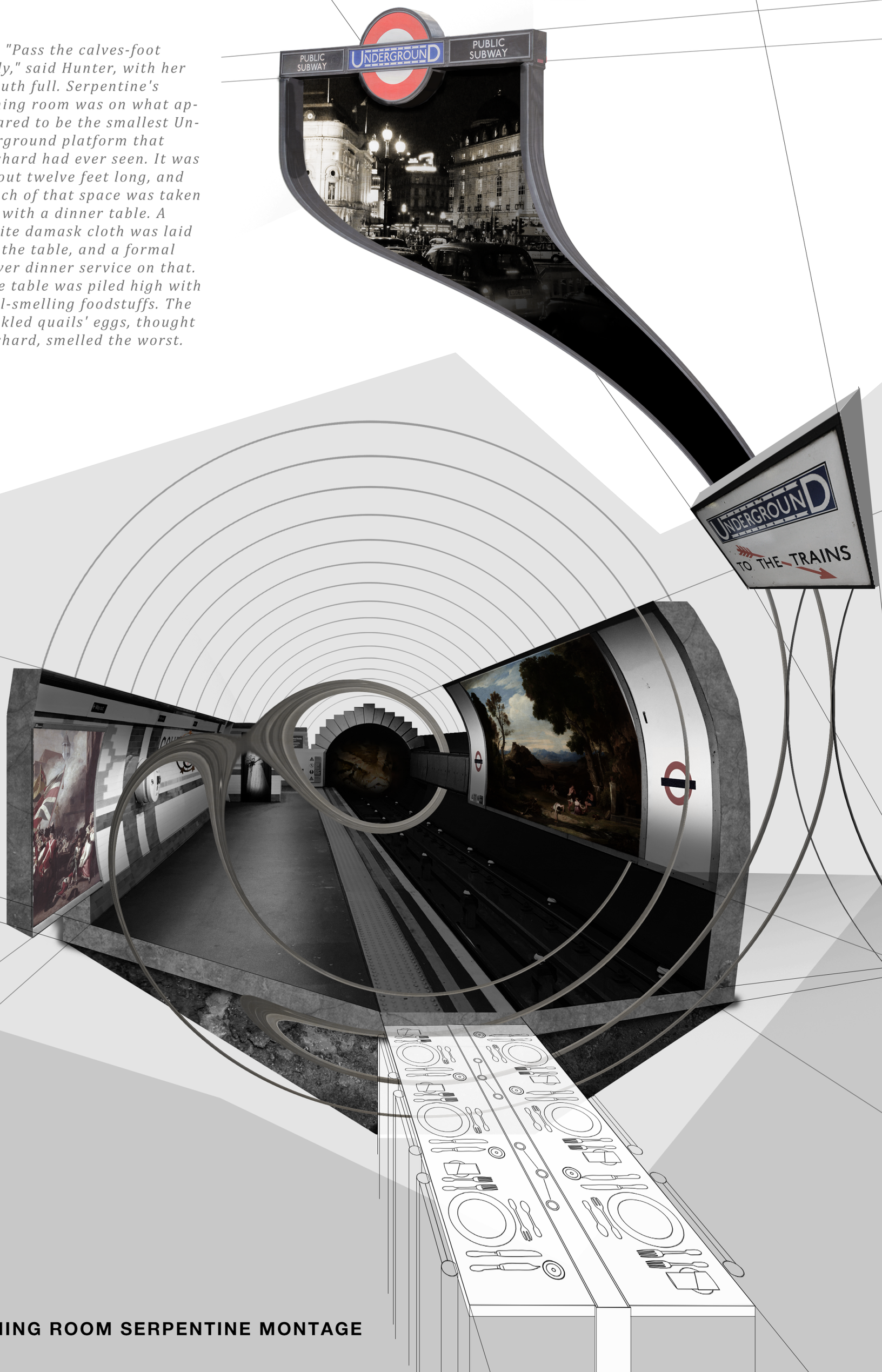

**SERPENTINE'S STABLE MONTAGE**

*Hunter picked up another wooden bucket, this one filled with water, and hauled it across the stable floor. "I don't know what you drank," she said. "But it must have been potent." Hunter dipped her hand into the bucket and flicked it at Door's face, spraying her with water. Door's eyes flickered.*

*"No wonder Atlantis sank," muttered Richard. "If they all felt like this in the morning it was probably a relief. Where are we?"*

*Hunter flicked another handful of water at Door's face. "In the stables of a friend," she said. Richard looked around. The place did look a little like a stable. He wondered if it were for horses—and if so, what kind of horses would live beneath the ground? There was a device painted on the wall: the letter S (or was it a snake? Richard could not tell) circled by seven stars.*

*"Pass the calves-foot jelly," said Hunter, with her mouth full. Serpentine's dining room was on what appeared to be the smallest Underground platform that Richard had ever seen. It was about twelve feet long, and much of that space was taken up with a dinner table. A white damask cloth was laid on the table, and a formal silver dinner service on that. The table was piled high with evil-smelling foodstuffs. The pickled quails' eggs, thought Richard, smelled the worst.*



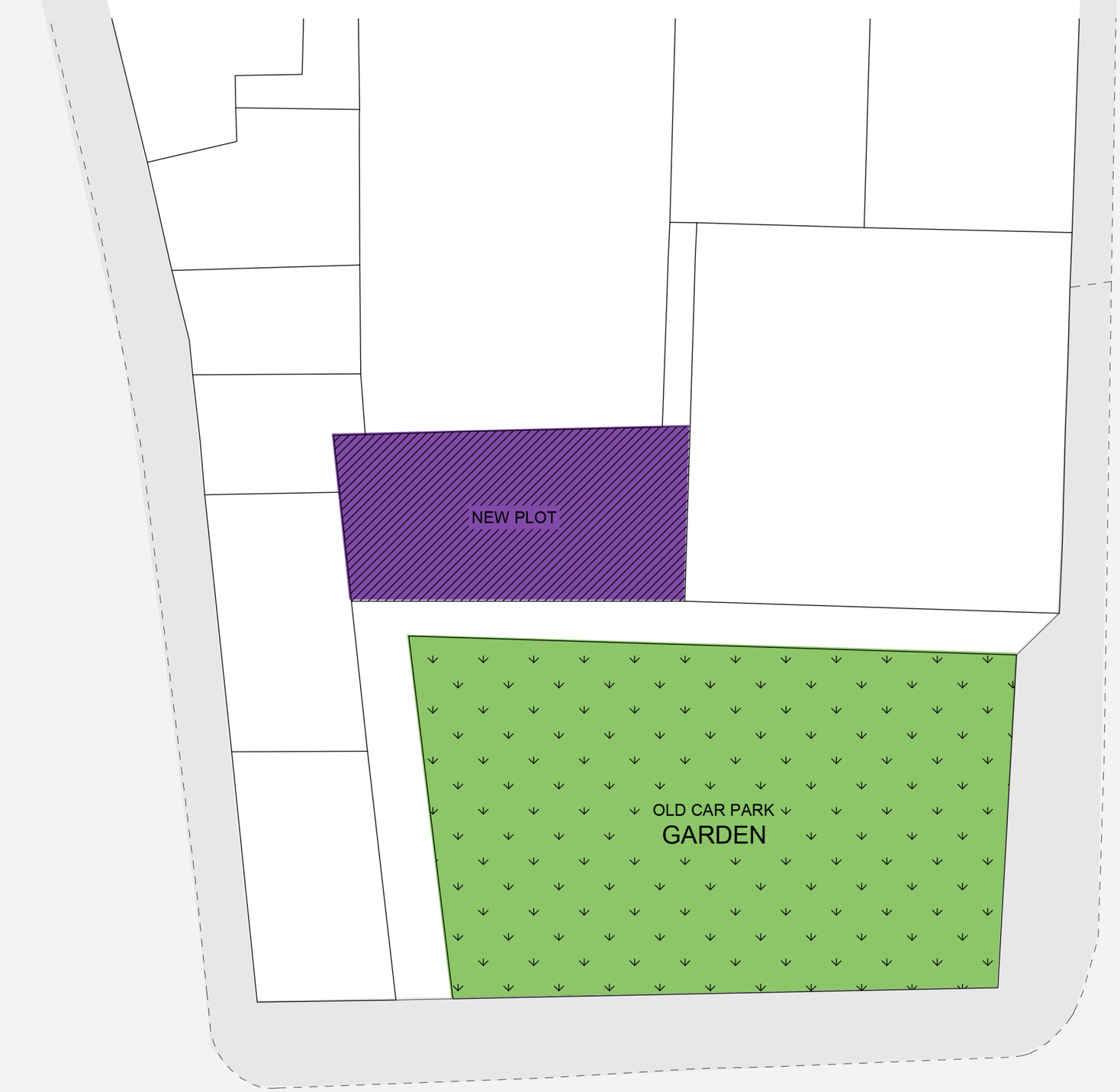

**DINING ROOM SERPENTINE MONTAGE**

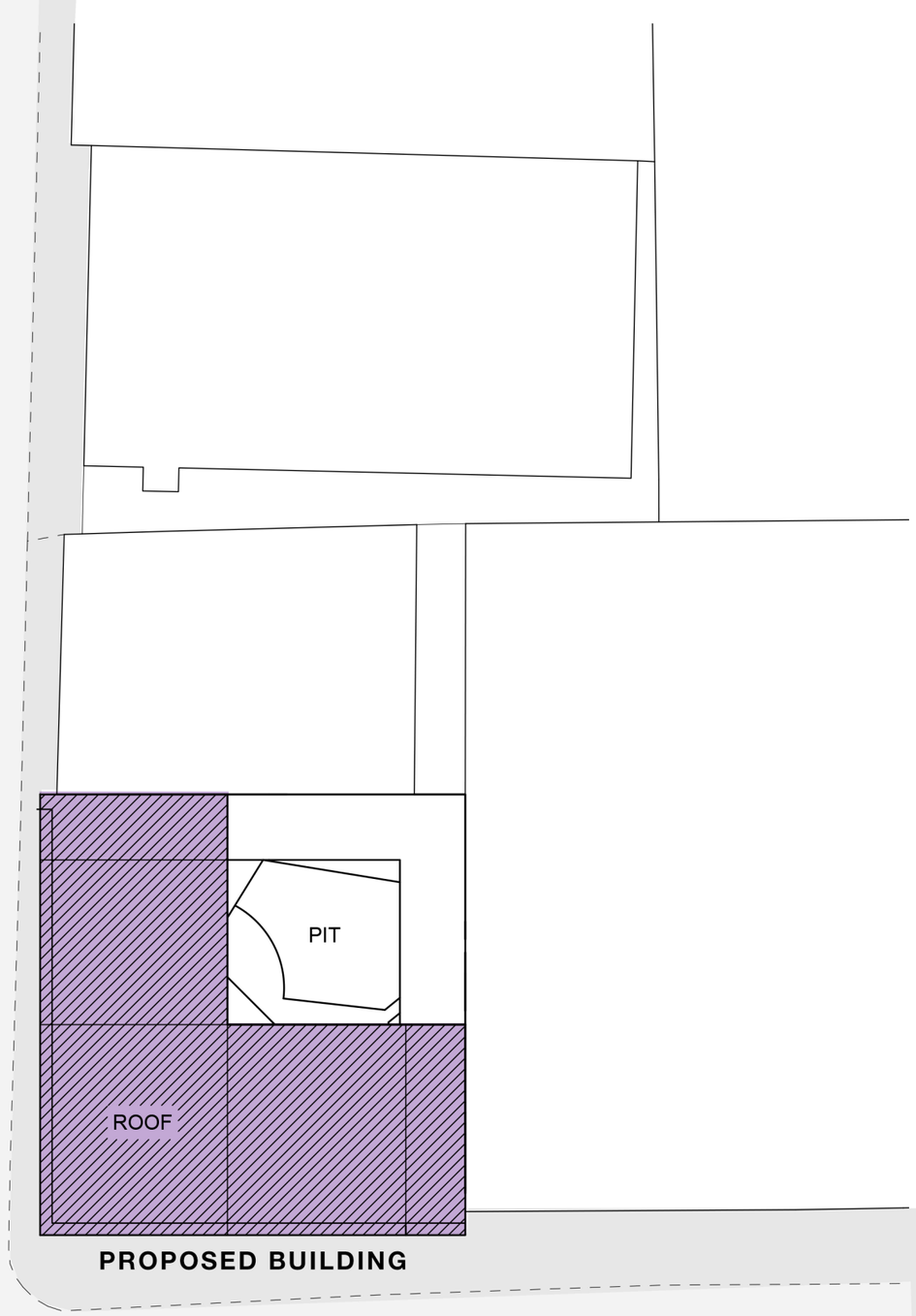

01482
871772




ABOVE GROUND [SHOP]

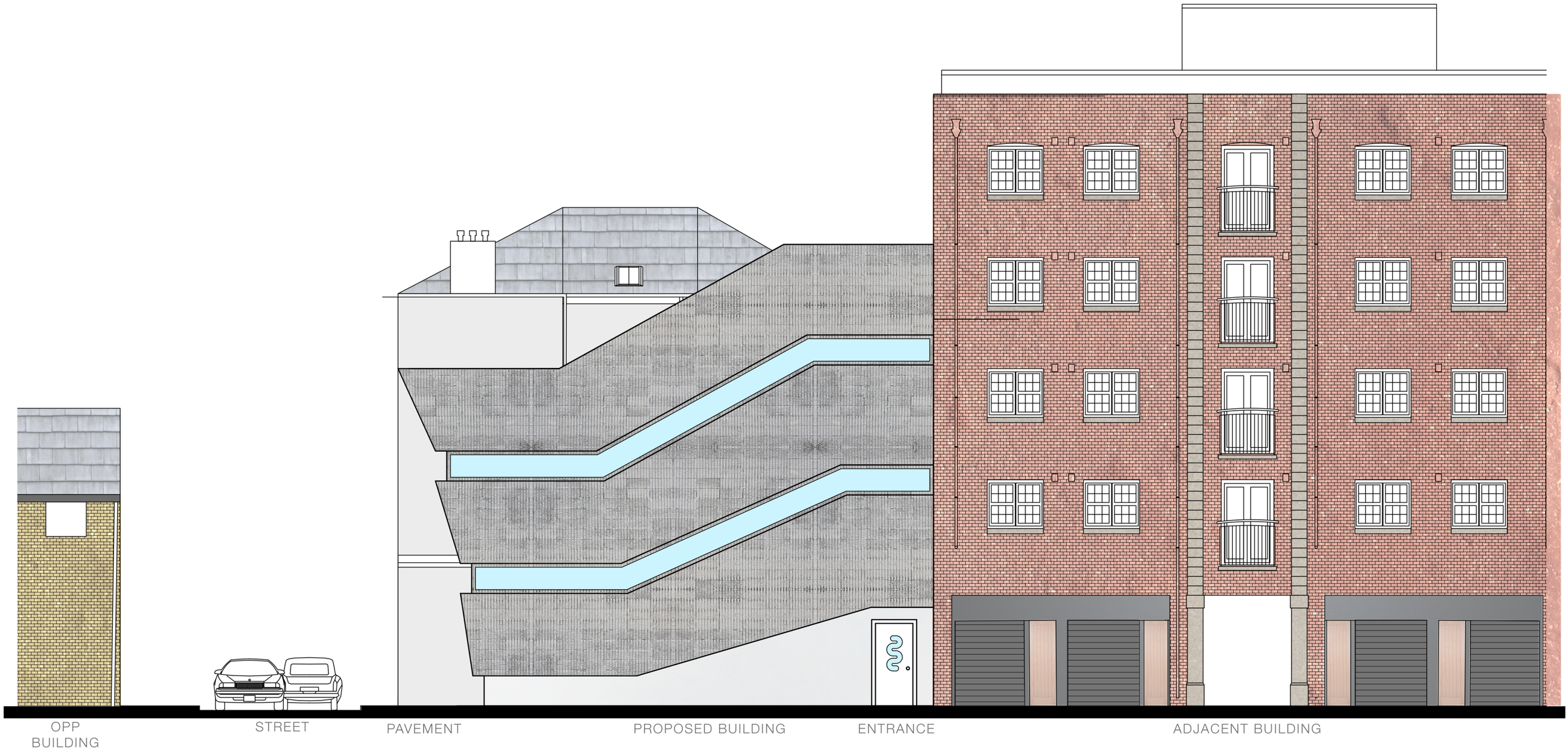
| | | | | |
|---|---|---|---|---|
| SERPENTINE'S STUDY | STAIR | STABLE | | |
| CELLAR | | DINING ROOM | STAIR | RECEPTION ROOM |
| REPTILE ROOM | STAIR | CHAMBER OF SECRETS | | |



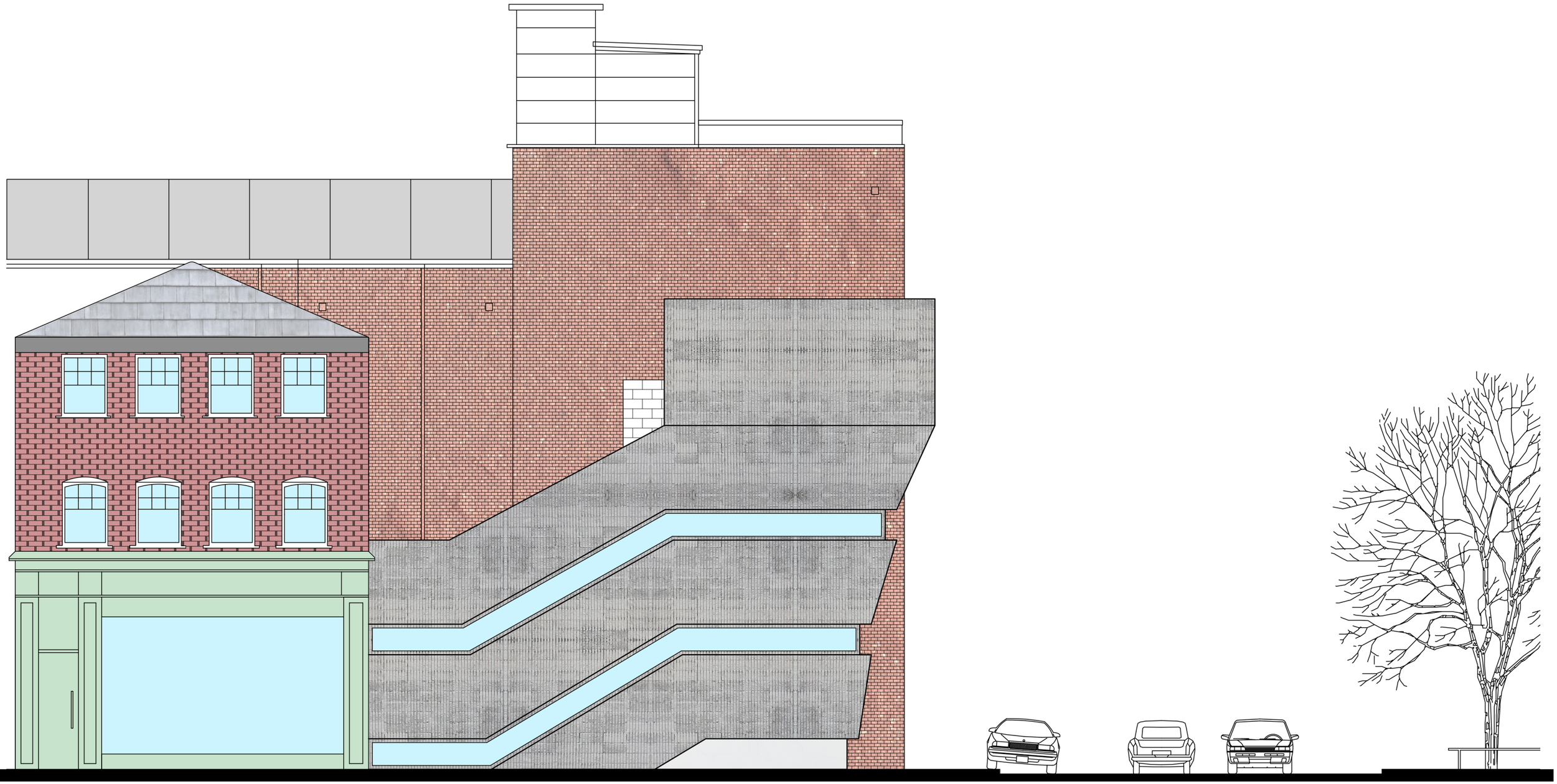




*Proposal includes sections that are not located on the specified site. These regions would be part of a larger development plan: A new green space to replace the current car park, and a takeaway food establishment in a new plot to the north.*

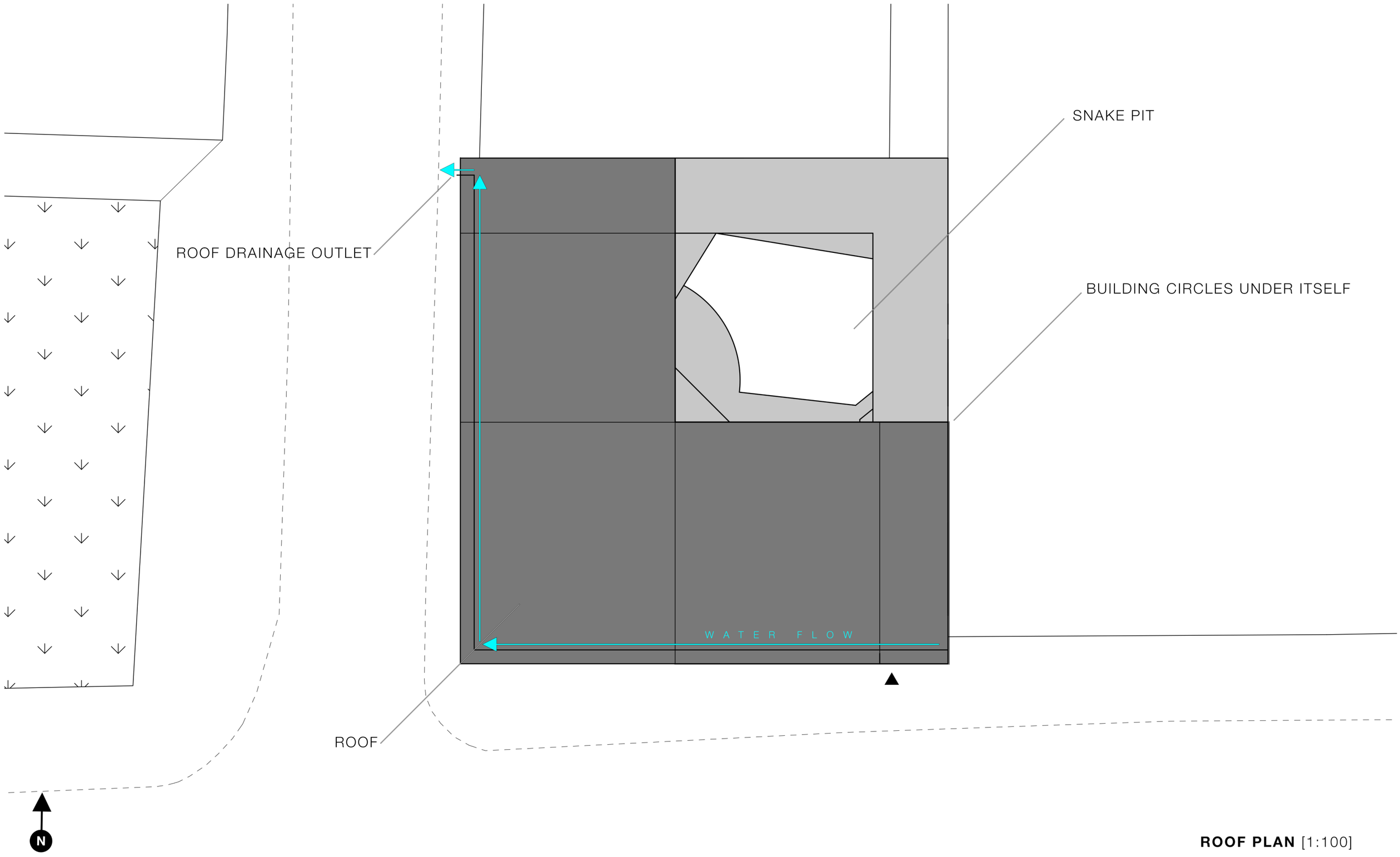
**LANDSCAPE PROPOSAL AND SITE PLAN [1:200]**



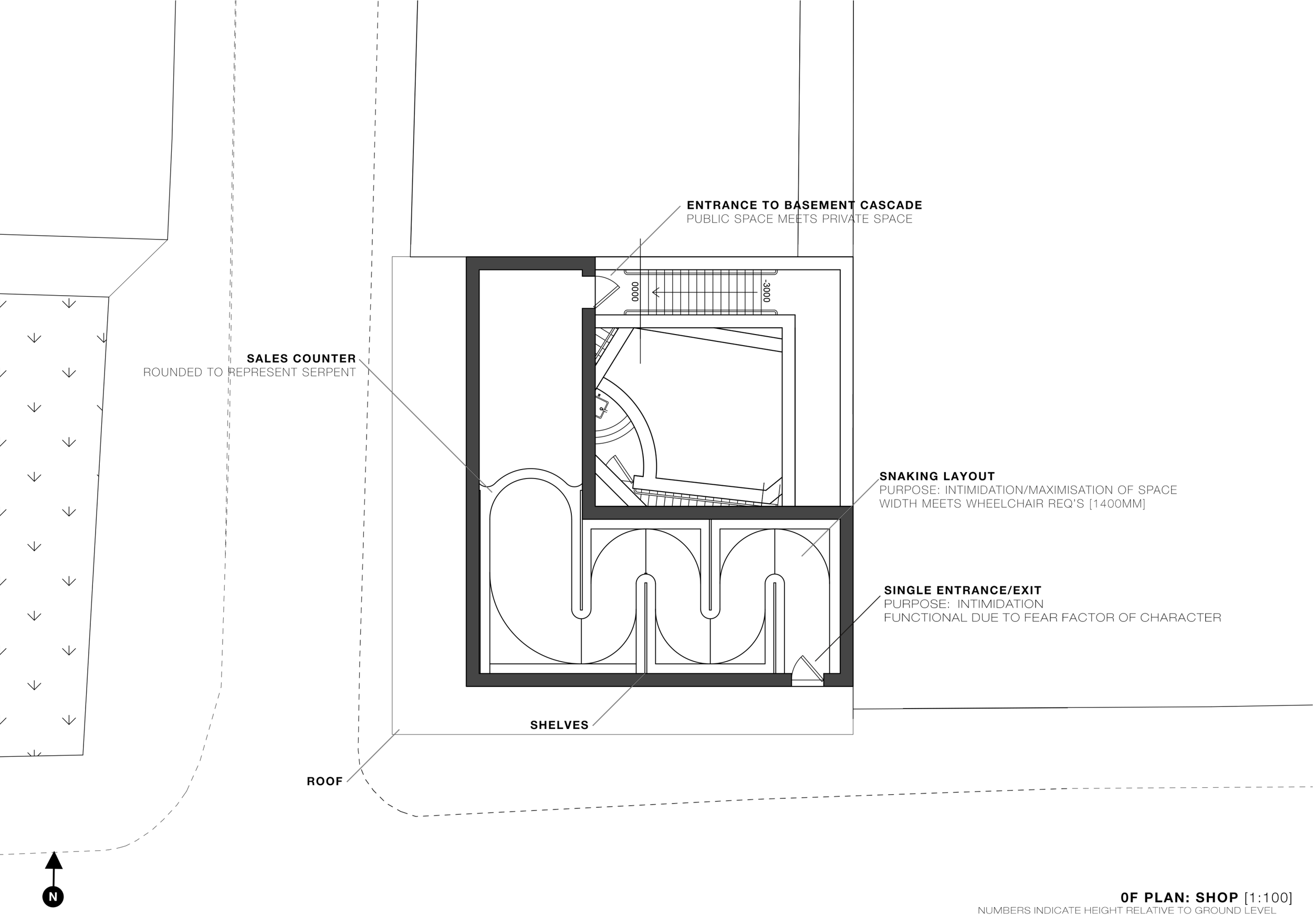

**SOUTH ELEVATION, ENTRANCE [1:100]**



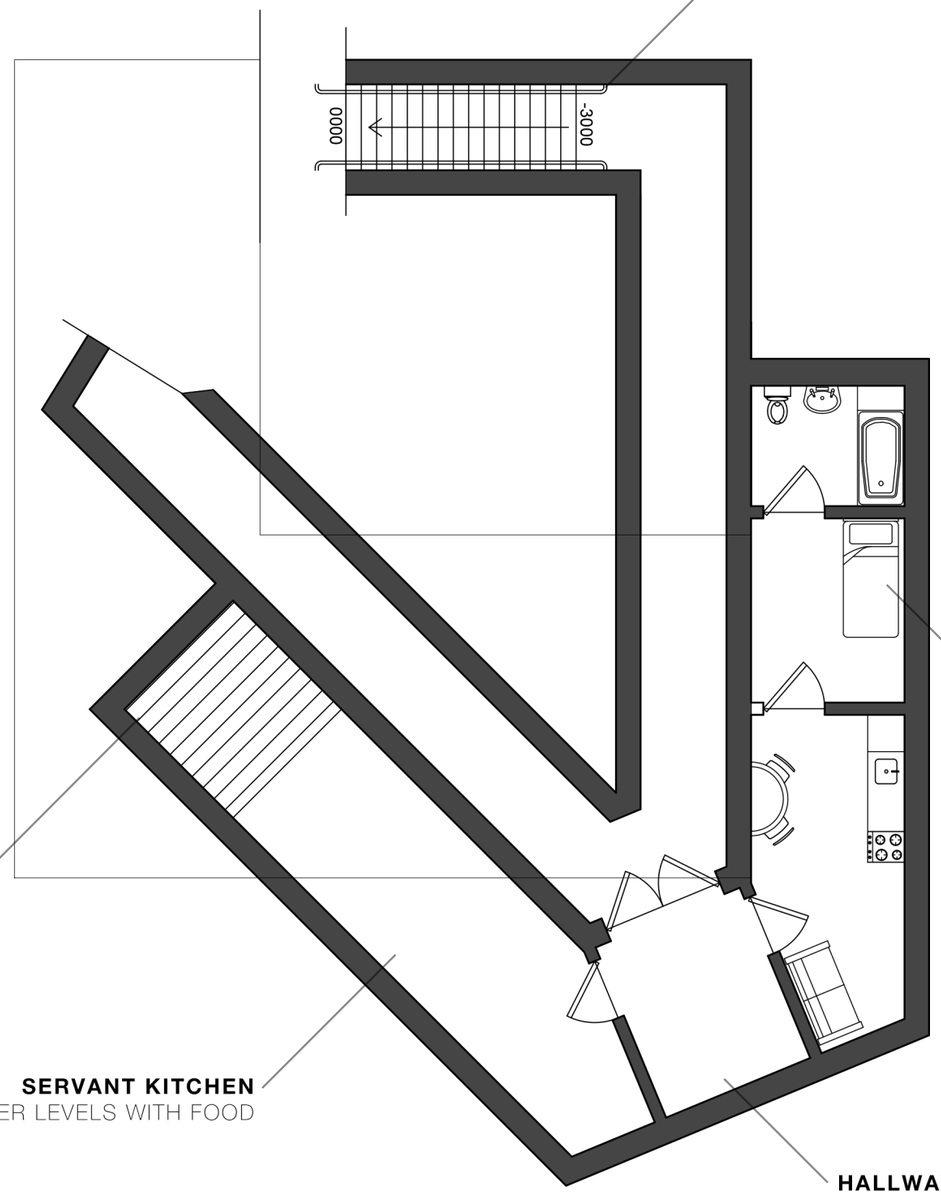

**WEST ELEVATION [1:100]**




**ROOF PLAN** [1:100]




**0F PLAN: SHOP** [1:100]
NUMBERS INDICATE HEIGHT RELATIVE TO GROUND LEVEL




**HANDRAILS**
FITTED TO EVERY STAIRCASE ACCORDING TO PART M REGULATIONS

**STAFF FLAT**
INTENTIONALL SMALL AND BASIC

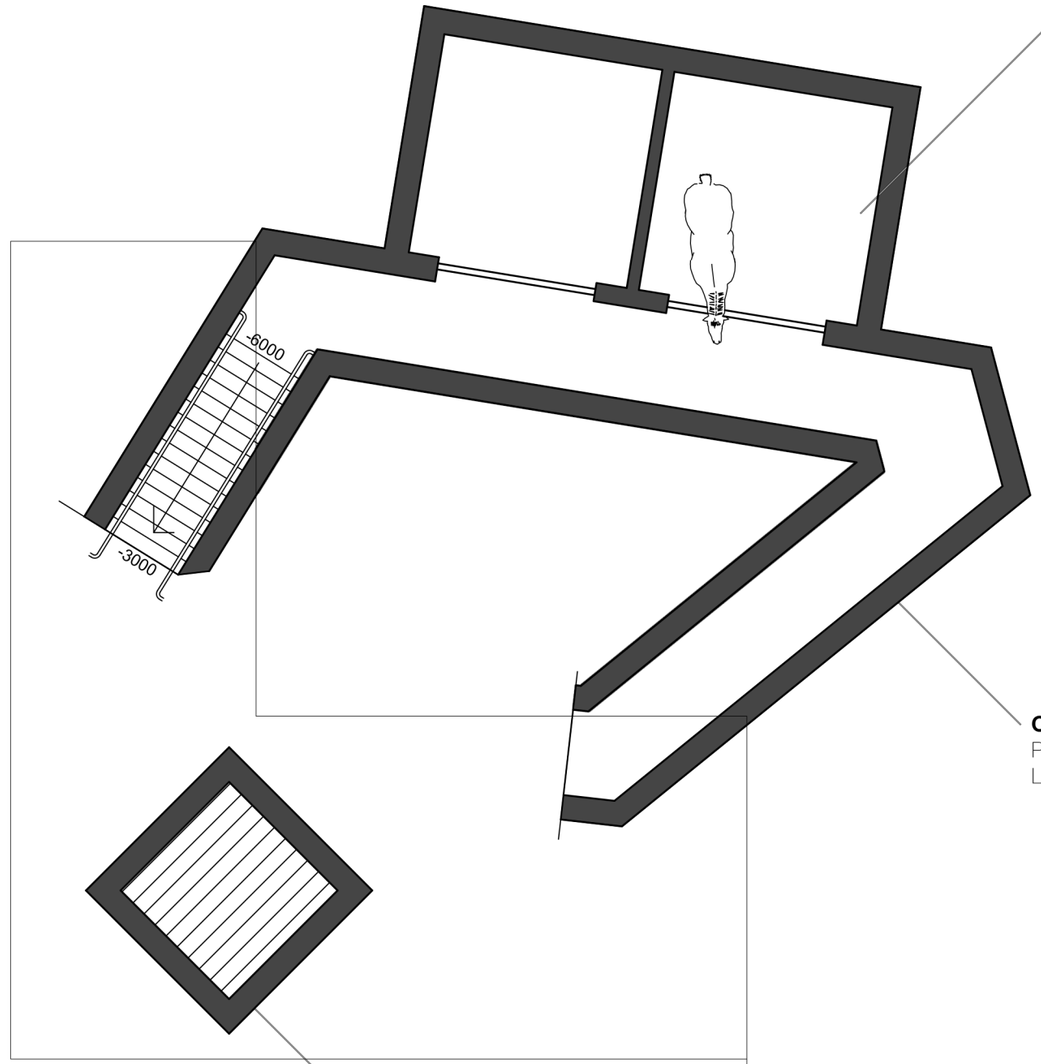
**ELEVATOR TO -3F**
PURPOSE: TO CARRY FOOD BETWEEN LEVELS QUICKLY

**SERVANT KITCHEN**
PURPOSE: TO SERVE LOWER LEVELS WITH FOOD

**HALLWAY**
PURPOSE: TO DISTINGUISH BETWEEN LIVING AND WORKING AREAS

N

**-1F PLAN: STAFF QUARTERS** [1:100]
NUMBERS INDICATE HEIGHT RELATIVE TO GROUND LEVEL [MM]



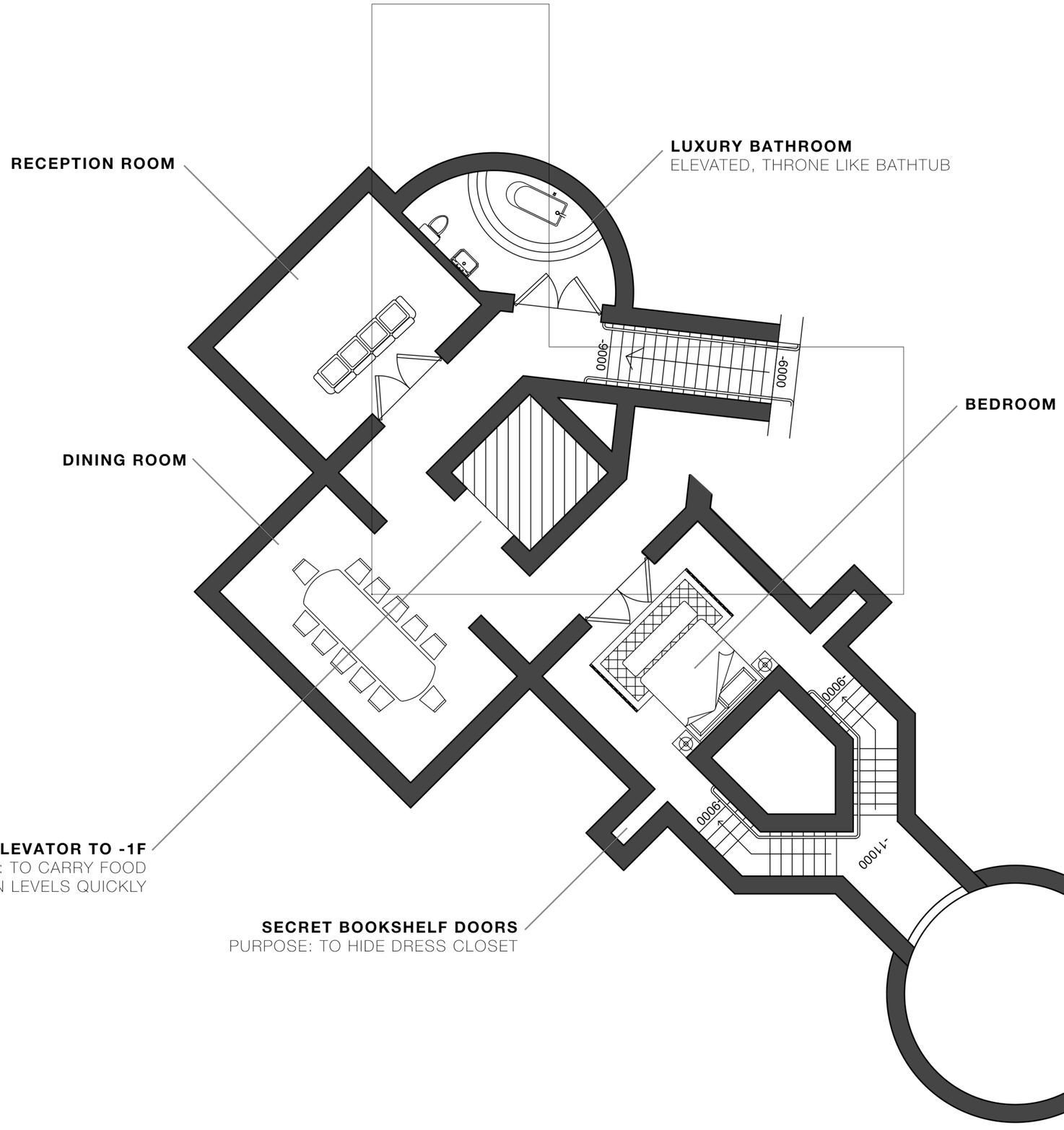

**STABLE**
NARRATIOVE LINK, HORSE FOR ILLUSTRATION.

**CASCADING LAYOUT**
PURPOSE: TO CARRY PERSONS AROUND THE BUILDING LONGWINDEDLY. INTIMIDATION. REPRESENTS A SERPENT

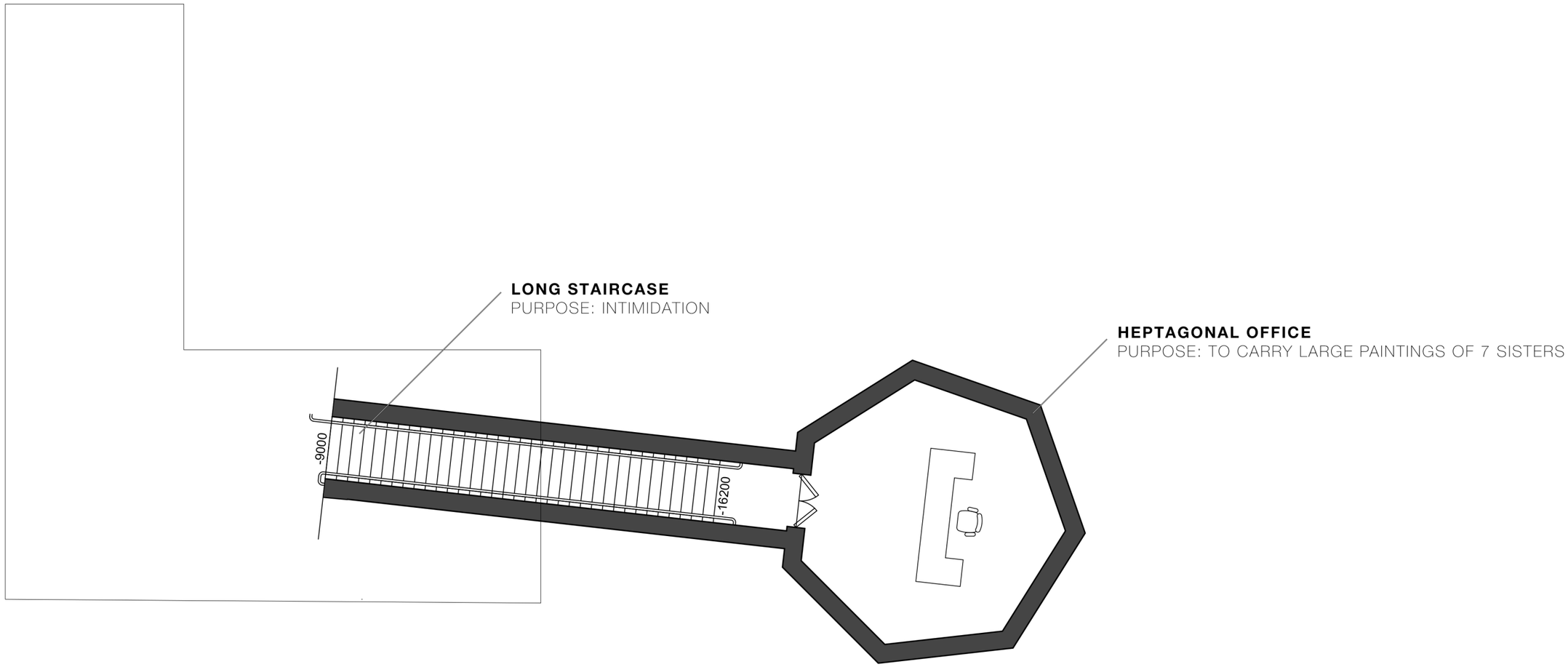
**ELEVATOR SHAFT**
DOES NOT STOP AT THIS FLOOR

N

**-2F PLAN: STABLE** [1:100]
NUMBERS INDICATE HEIGHT RELATIVE TO GROUND LEVEL [MM]

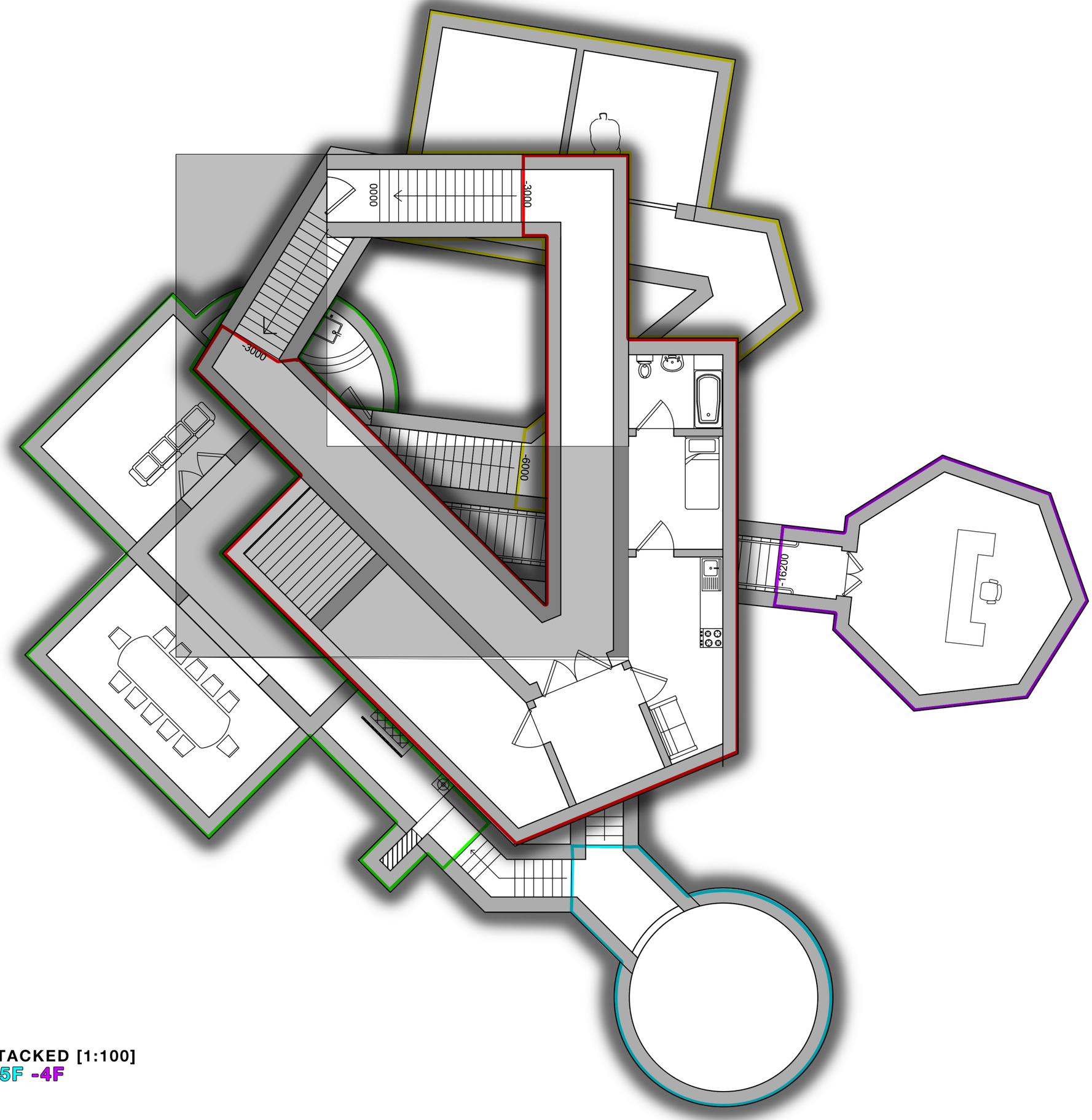



**-3F PLAN: ERPENTINE'S QUARTERS** [1:100]
NUMBERS INDICATE HEIGHT RELATIVE TO GROUND LEVEL [MM]



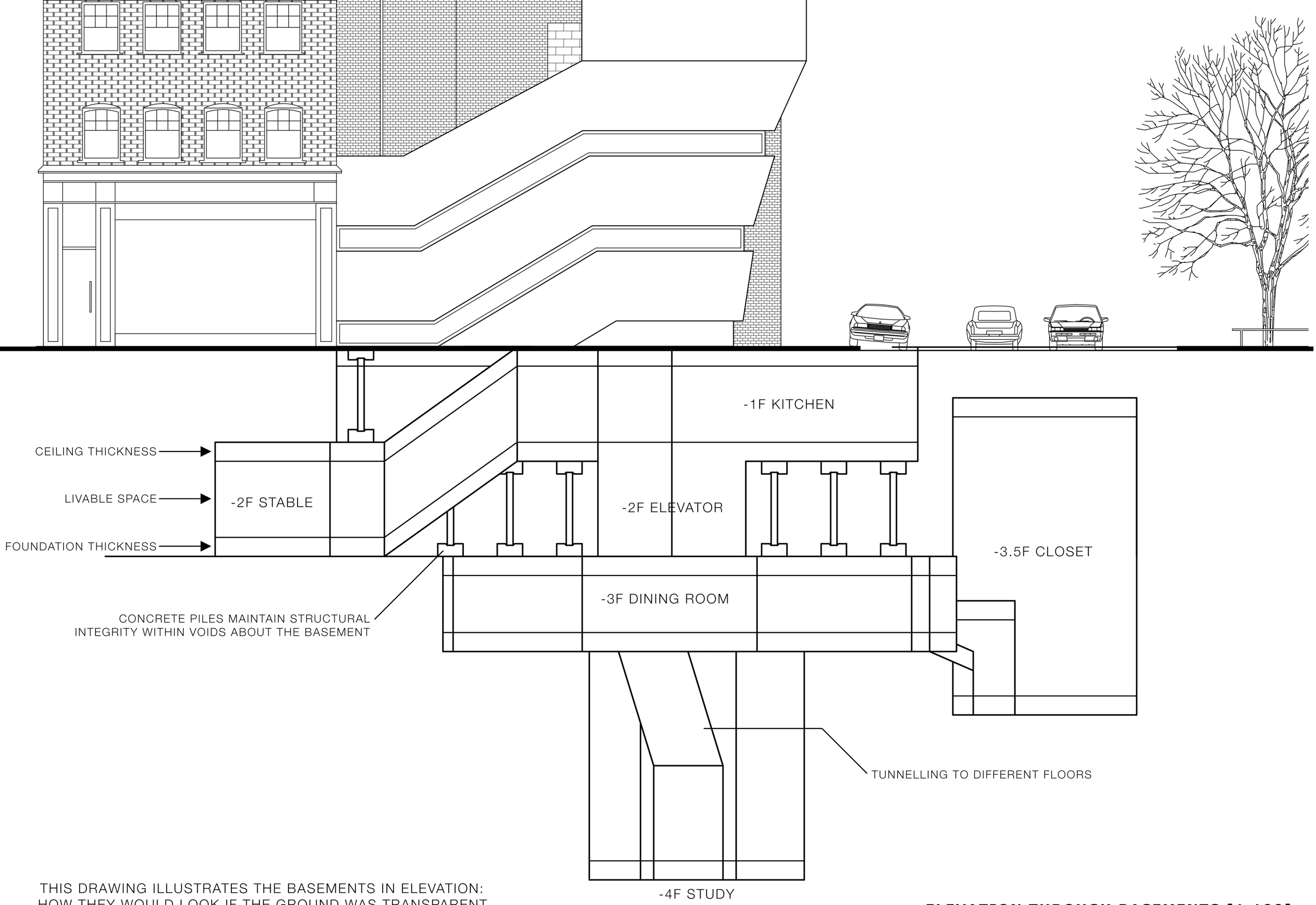

N

**-4F PLAN: STUDY** [1:100]
NUMBERS INDICATE HEIGHT RELATIVE TO GROUND LEVEL [MM]



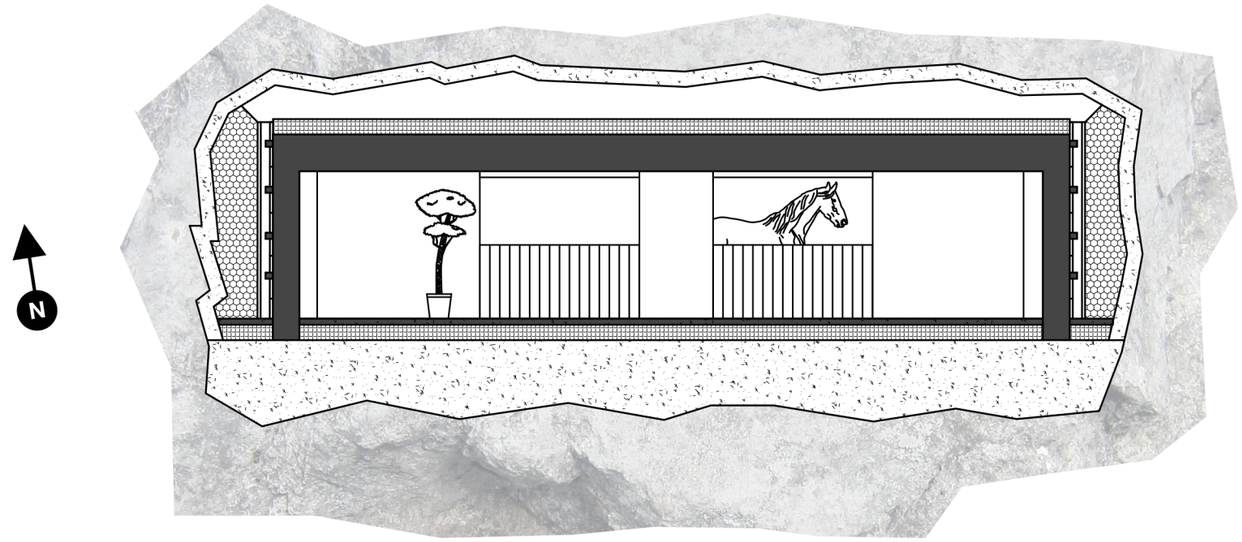

**BASEMENT PLANS STACKED [1:100]**

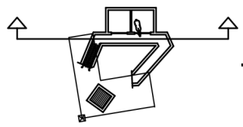
**-1F -2F -3F -3.5F -4F**



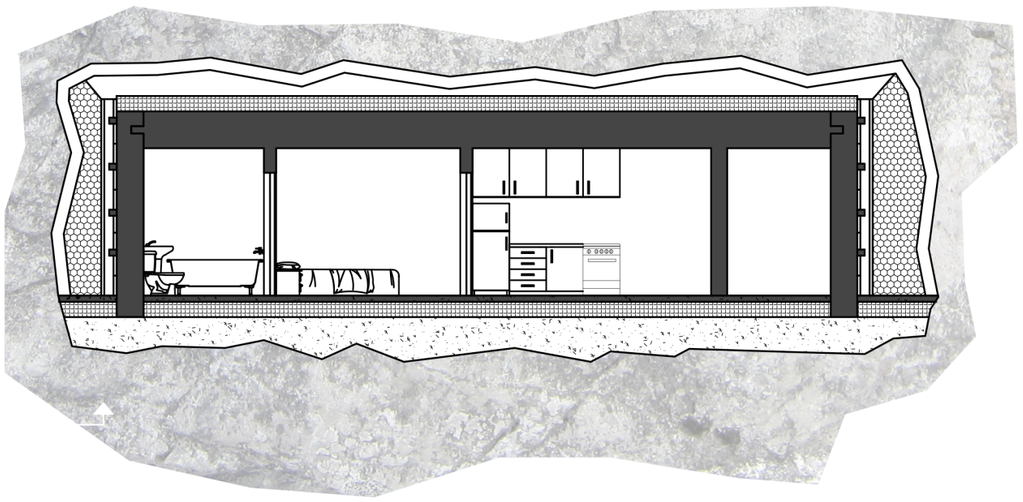

THIS DRAWING ILLUSTRATES THE BASEMENTS IN ELEVATION:
HOW THEY WOULD LOOK IF THE GROUND WAS TRANSPARENT.

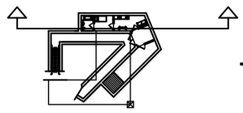
**ELEVATION THROUGH BASEMENTS [1:100]**





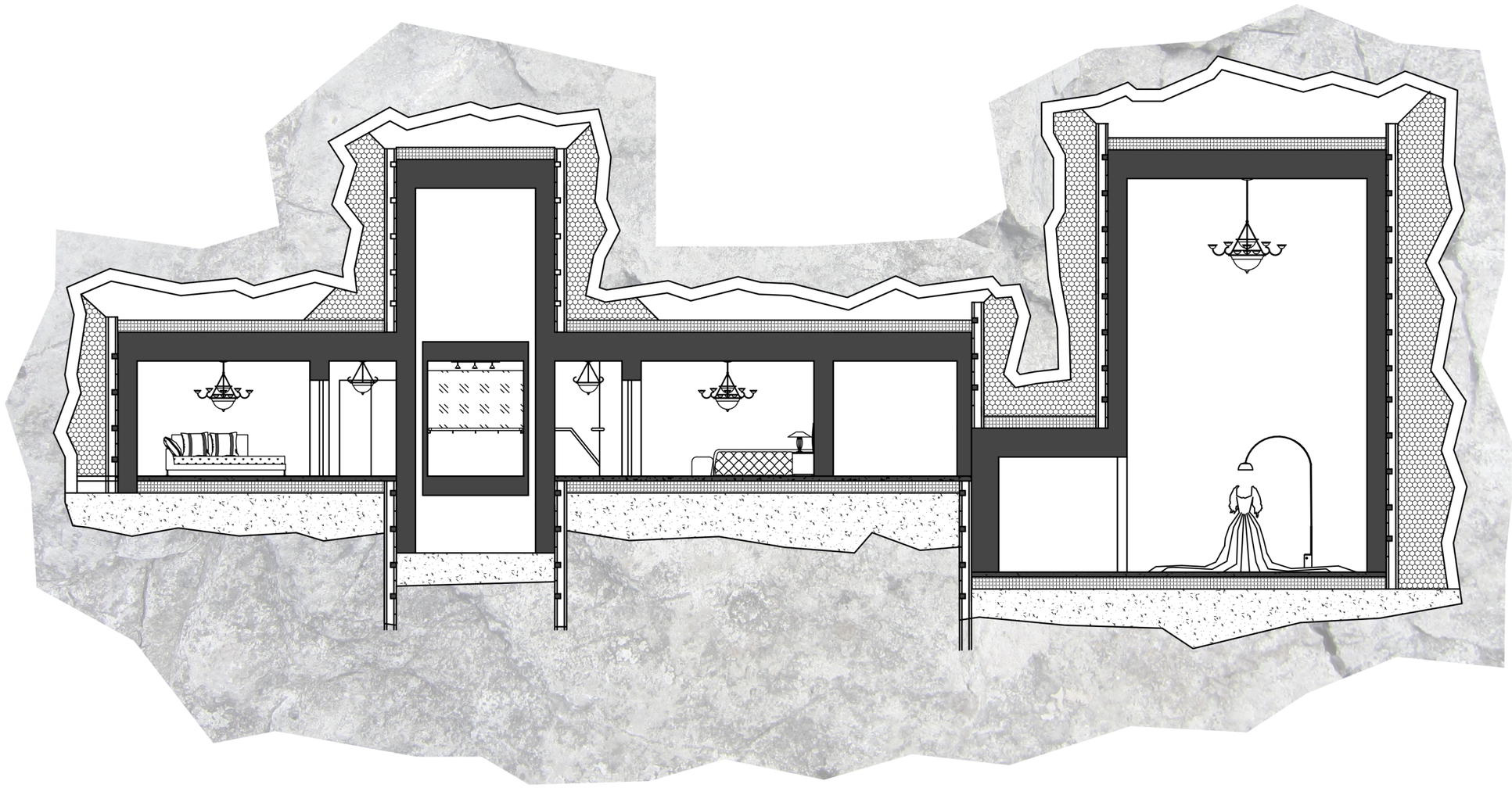
-2F SECTION: STABLE [1:100]

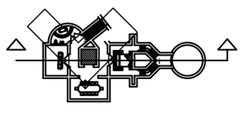




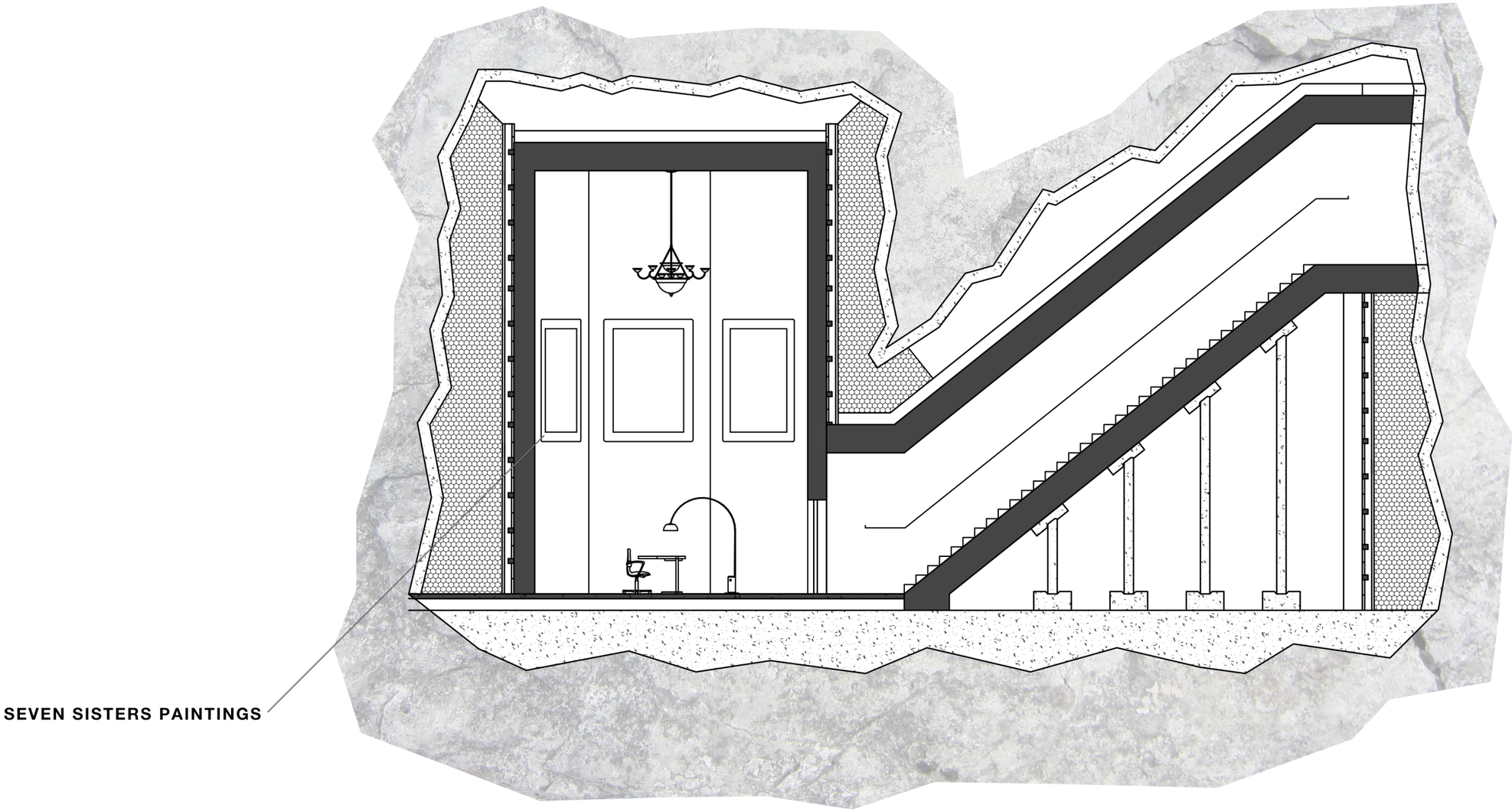
-1F SECTION: STAFF QUARTERS [1:100]

-1F & -2F SECTION





**-3F SECTION: SERPENTINE'S QUARTERS**[1:100]

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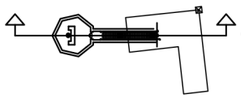
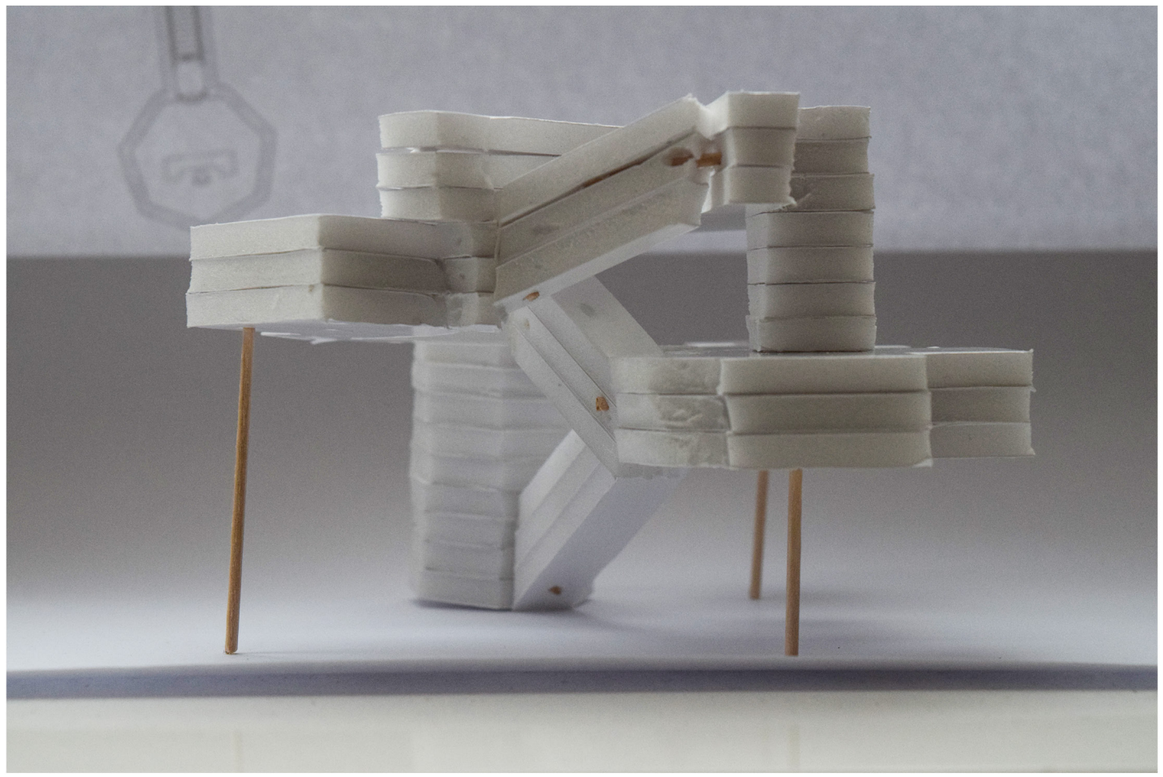
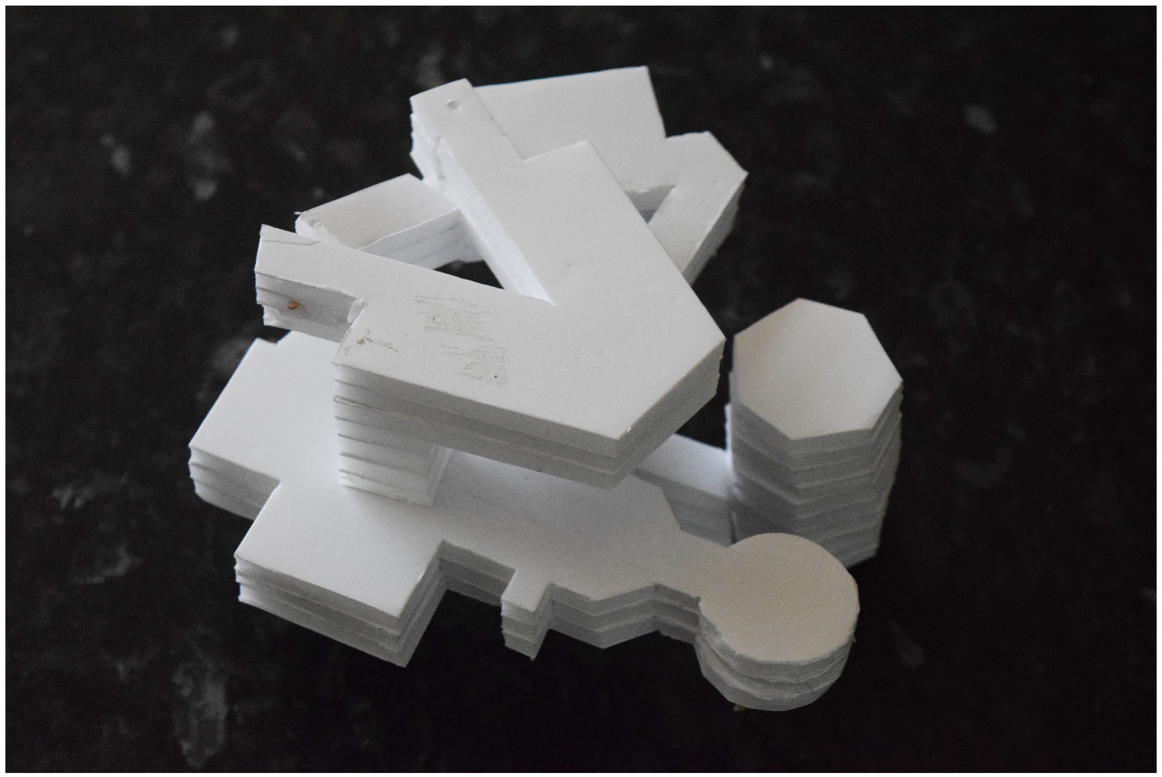
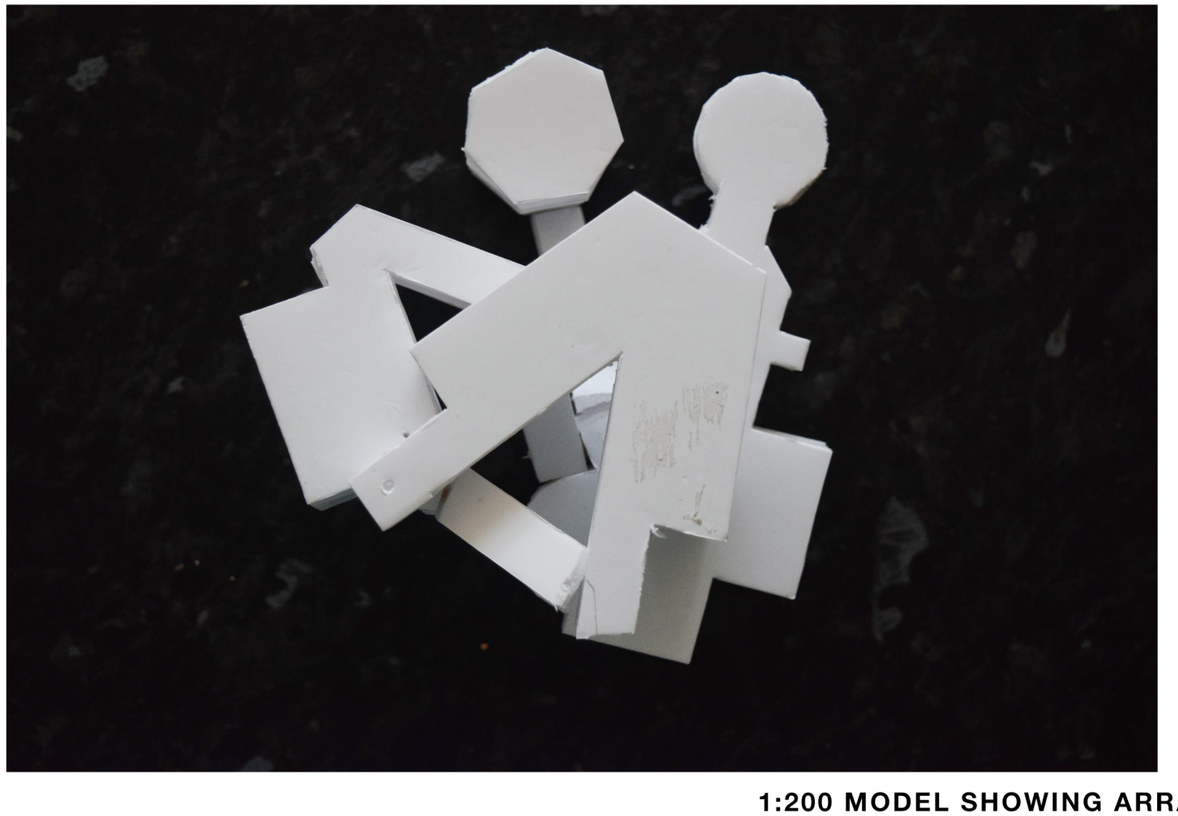


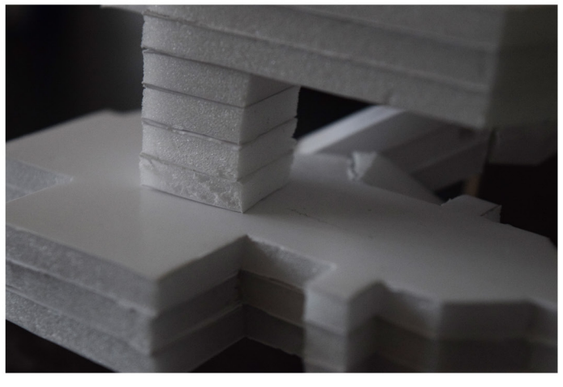
**-4F SECTION: SERPENTINE'S STUDY** [1:100]

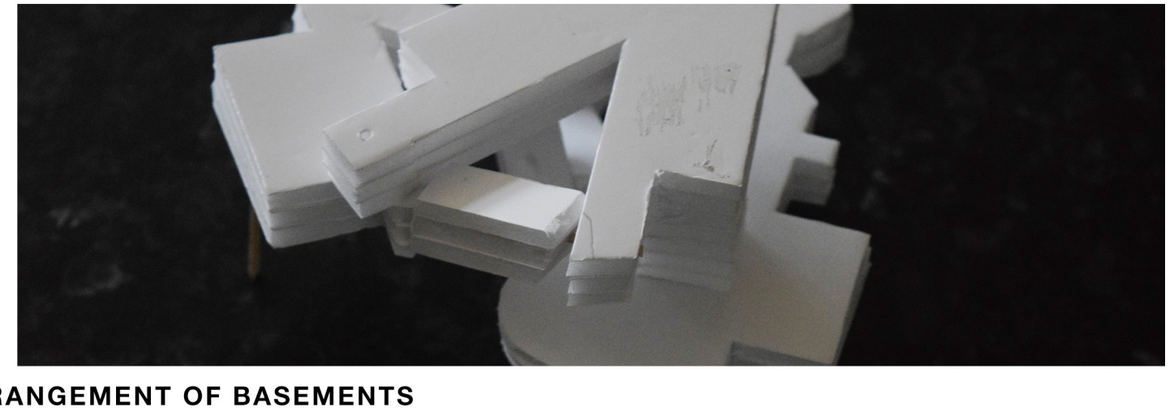




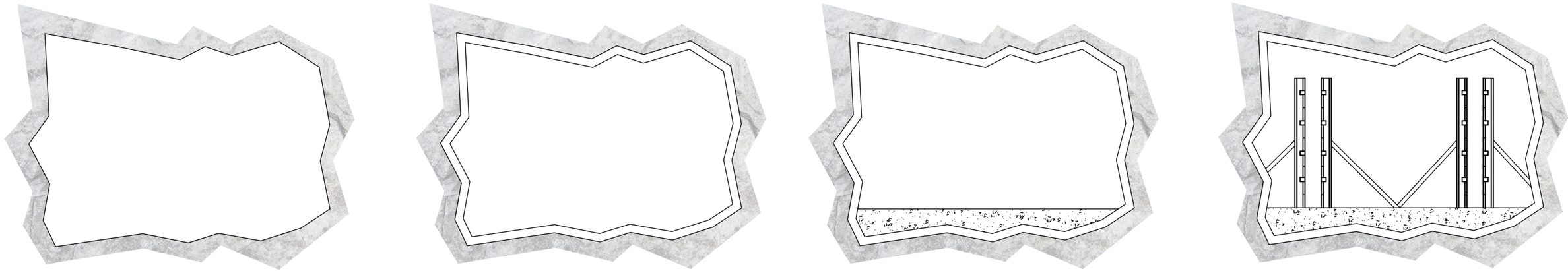




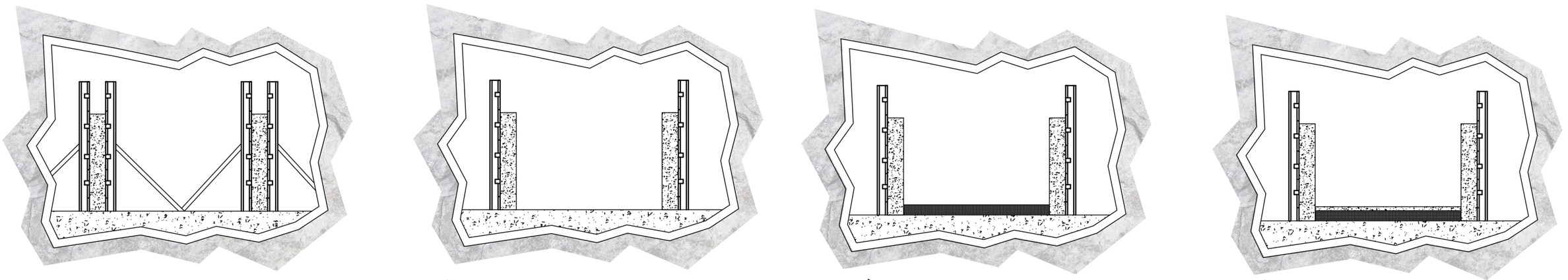




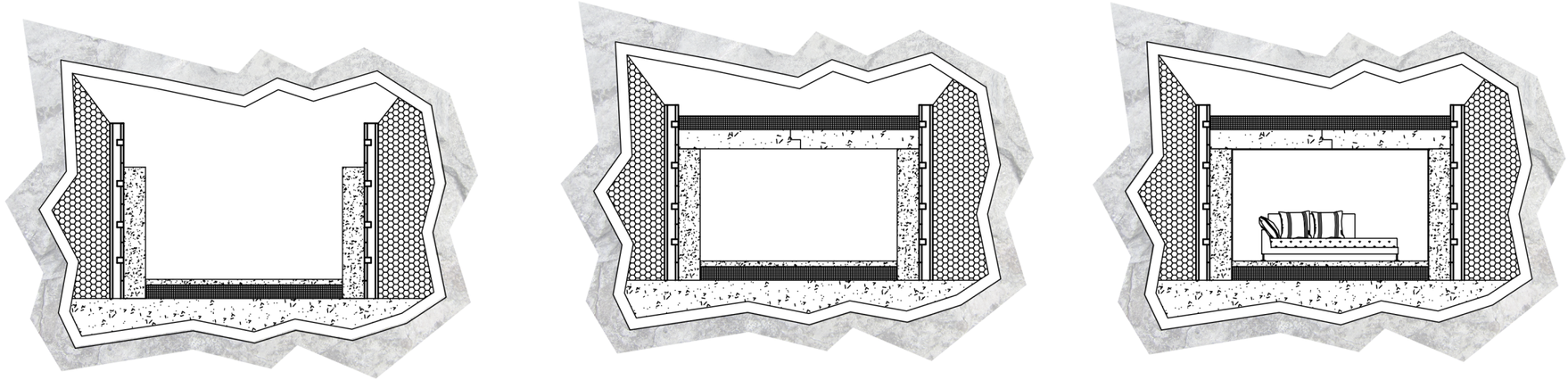
1:200 MODEL SHOWING ARRANGEMENT OF BASEMENTS



**1: TUNNEL SPACES** → **2: SPRAY CONCRETE**
FOR INITIAL STRUCTURAL STABILITY
→ **3: POUR CONCRETE** → **4: BUILD TIMBER IN-SITUE FRAMES**
SUPPORT WITH EXTRA BEAMS



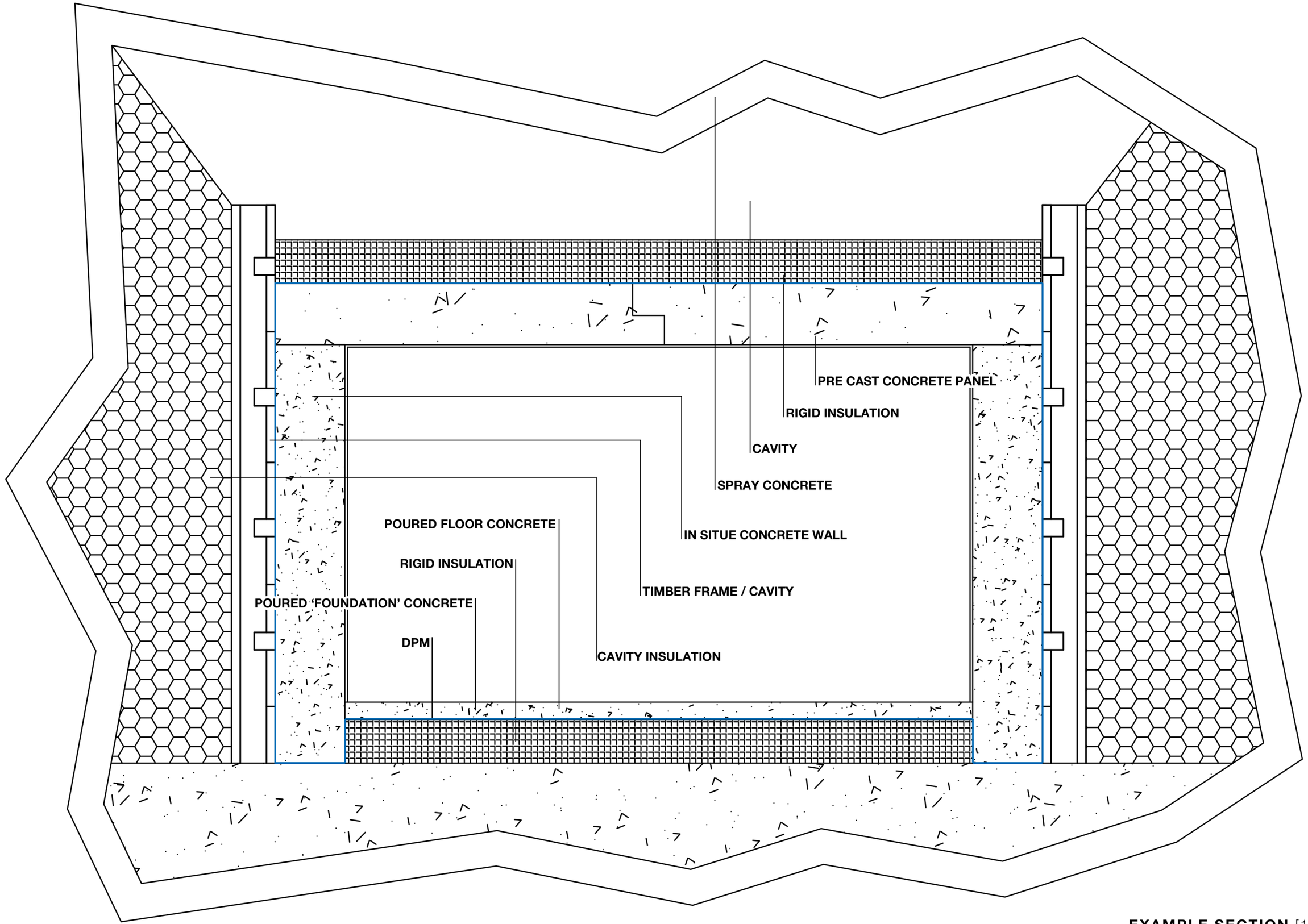
**5: POUR CONCRETE** → **6: REMOVE INTERIOR FRAMES** → **7: LAY RIGID INSULATION**
IN AMOUNGST CROSS FRAME
→ **8: POUR CONCRETE FLOOR**



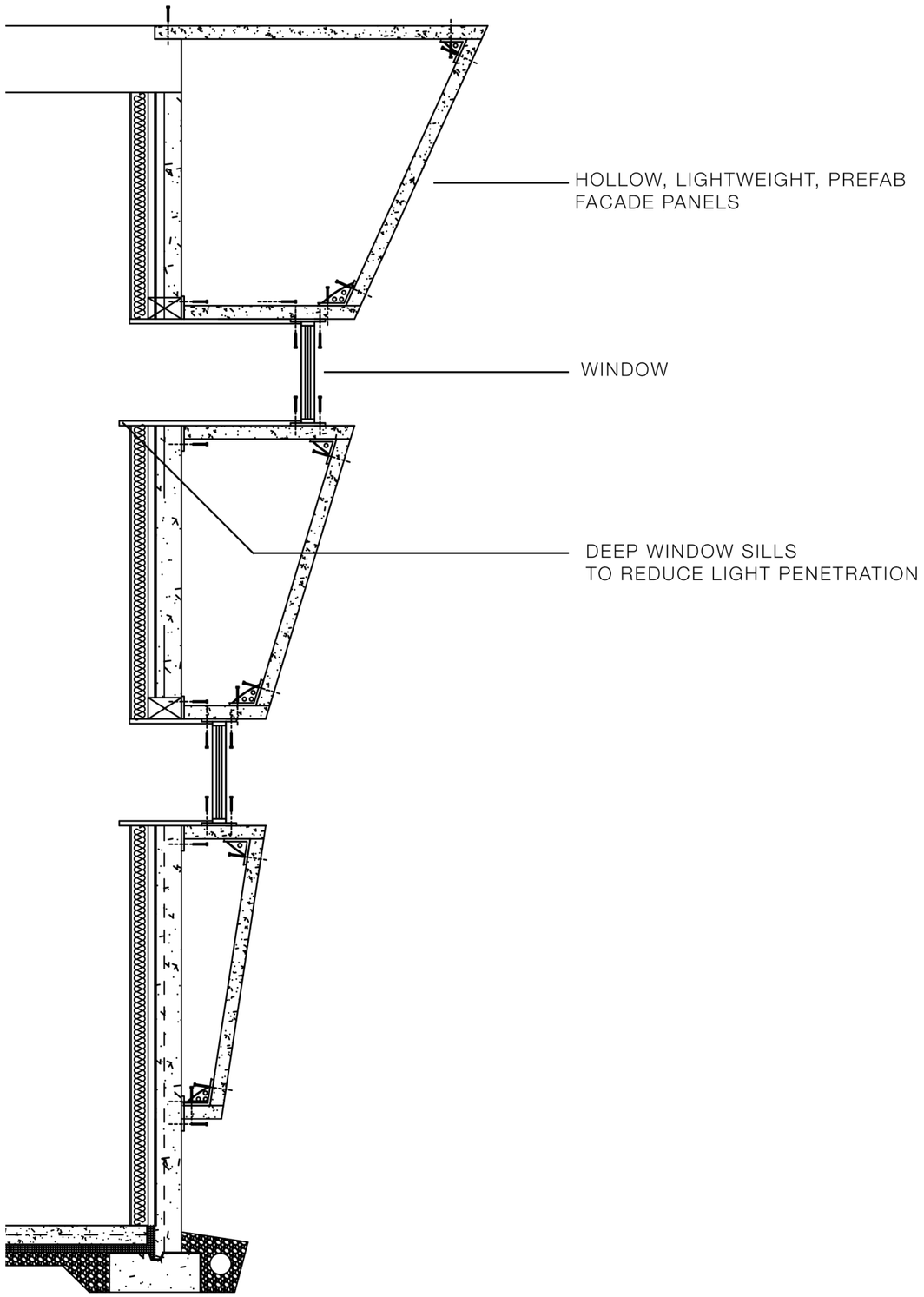
**9: SPRAY EXPANDING INSULATION** → **10: INSERT PREFAB CEILING** → **11: FURNISH!**

THE BASEMENTS OF THIS BUILDING EXTEND FAR BEYOND THE CONVENTIONAL LIMITS OF THE SITE. IN FORDER TO ACHIEVE THIS, TUNNELING NEEDS TO BE USED TO CREATE THE SAPCES, THEN STRUCTURAL SUPPORT IS ADDED AFTERWARDS USING A VARIETY OF CONCRETES AND INSULATION

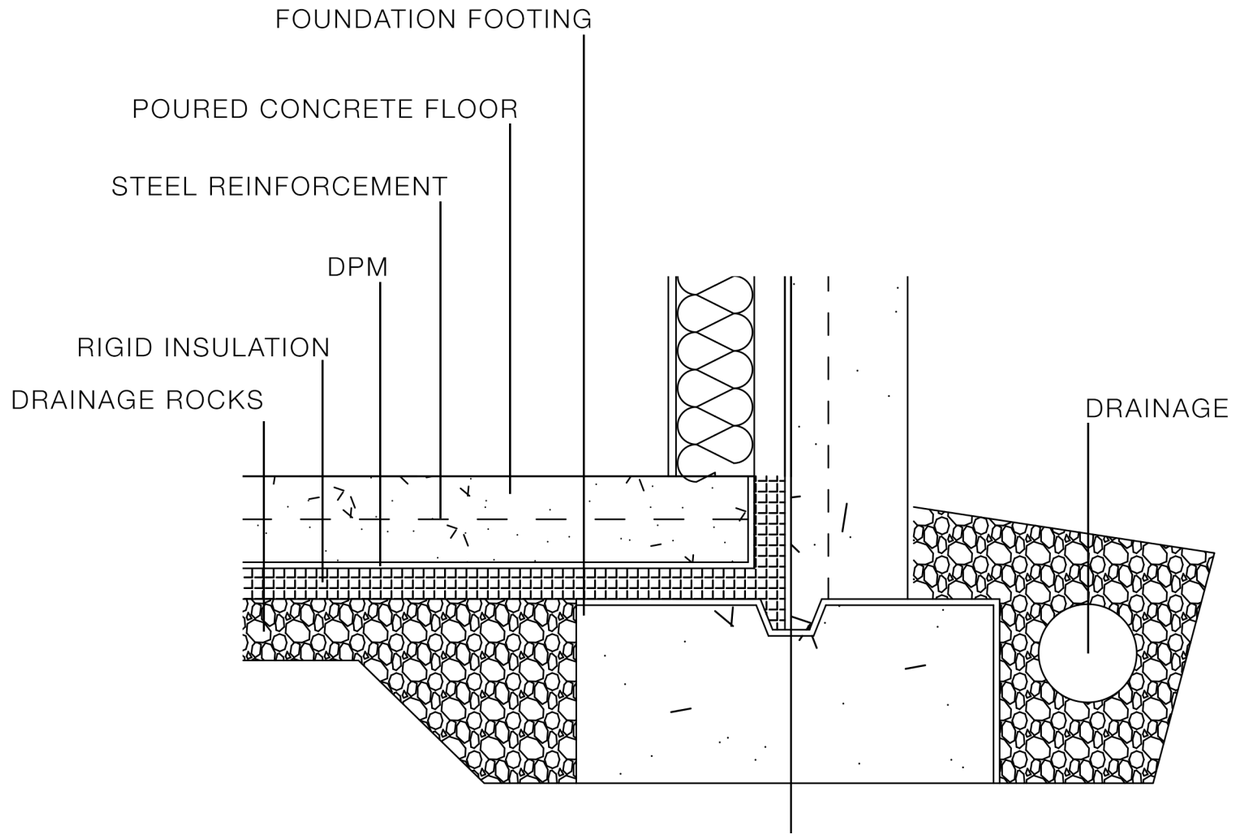
**EXAMPLE CONSTRUCTION STEPS** [1:100]



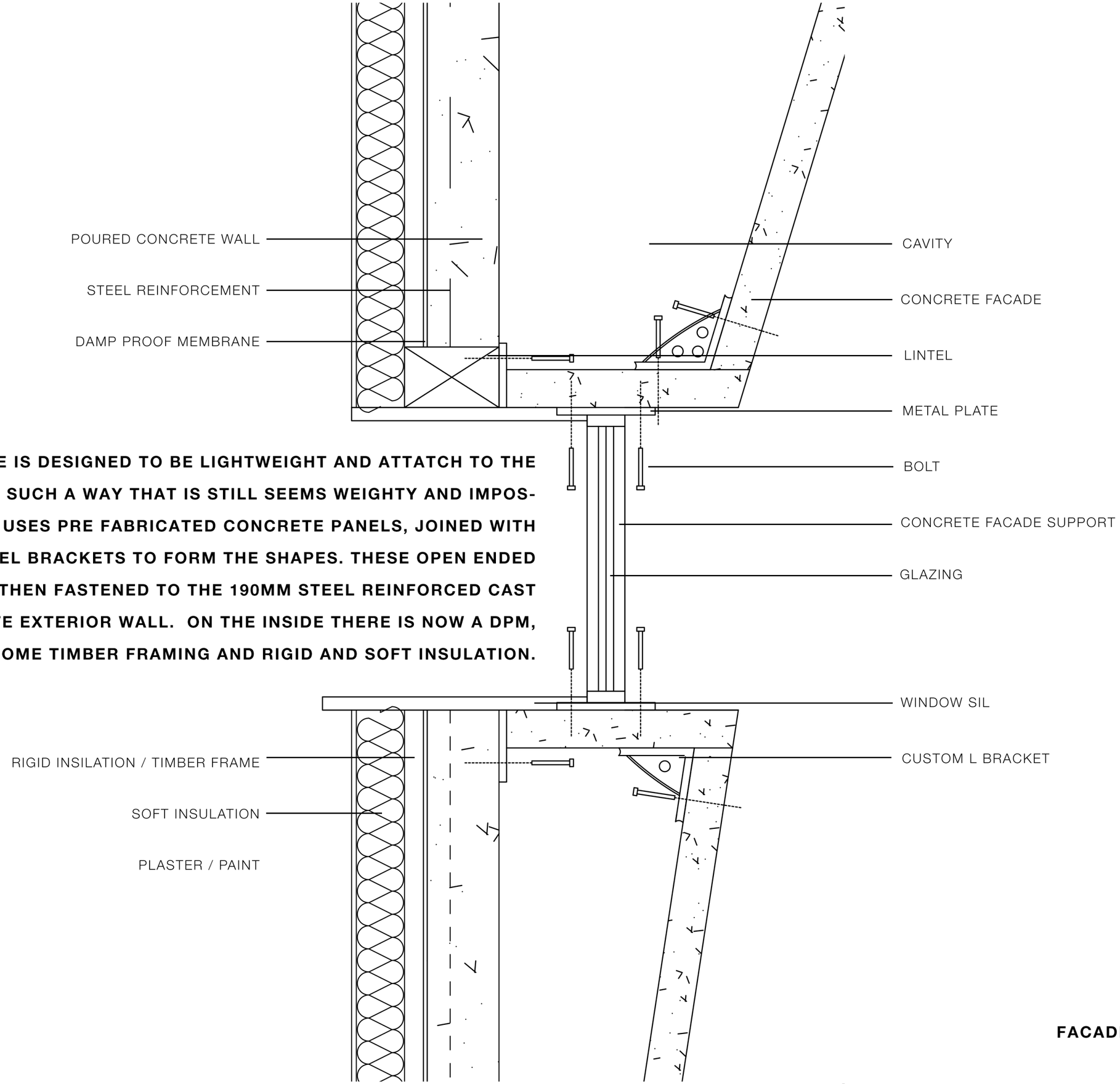

**EXAMPLE SECTION** [1:20]




**FACADE SECTION** [1:40]




**WALL / FOUNDATION JOIN** [1:20]



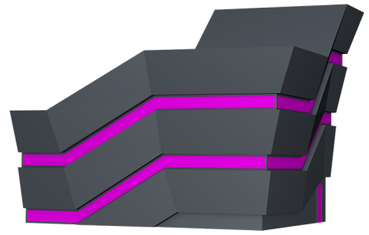

**THE FACADE IS DESIGNED TO BE LIGHTWEIGHT AND ATTATCH TO THE BUILDING IN SUCH A WAY THAT IS STILL SEEMS WEIGHTY AND IMPOSING. IT USES PRE FABRICATED CONCRETE PANELS, JOINED WITH CUSTOM STEEL BRACKETS TO FORM THE SHAPES. THESE OPEN ENDED SHAPES ARE THEN FASTENED TO THE 190MM STEEL REINFORCED CAST CONCRETE EXTERIOR WALL. ON THE INSIDE THERE IS NOW A DPM, SOME TIMBER FRAMING AND RIGID AND SOFT INSULATION.**

**FACADE DETAIL** [1:20]

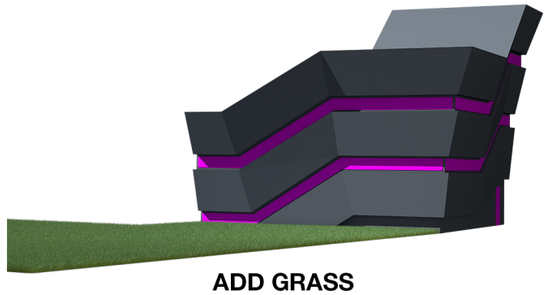


*FINAL EXTERIOR RENDER*

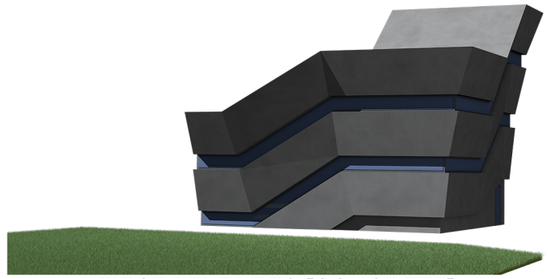
MAXON
CINEMA4D



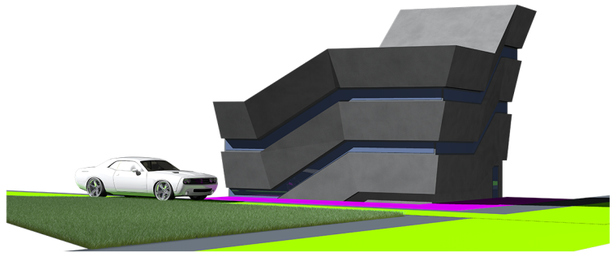
FIRST 3D MODEL



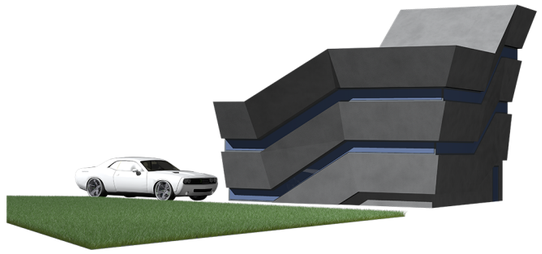
ADD GRASS



FIRST TEXTURES [CONCRETE]



ADD CAR, ALIGN GROUND



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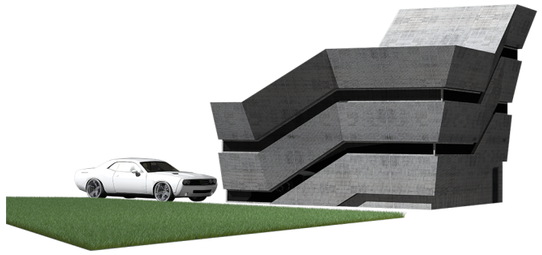


ADD FINAL TEXTURES



ADJUST LIGHTING



ADD DRAINAGE DETAIL

Ps
ADOBE
PHOTOSHOP



BASE PHOTO



ADD GRASS



TIDY UP EDGES



ADD SKY



ADD PAVEMENTS & ROADS



FIX NEIGHBOURING GARAGES



ADD IVY & GRAPHITI



FINAL TOUCHES [TEXTURE OVERLAYS]

## VISUAL DEVELOPMENT: EXTERIOR

*SHOP RENDER: STACKS OF STUFF*

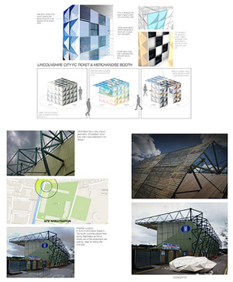


*STAIRWELL RENDER: INTIMIDATION*



*BATHROOM RENDER: A TOUCH OF CLASS*

DISPLAYBOARD EVOLUTION 2015 - PRESENT WILLIAM DOBIE



2015



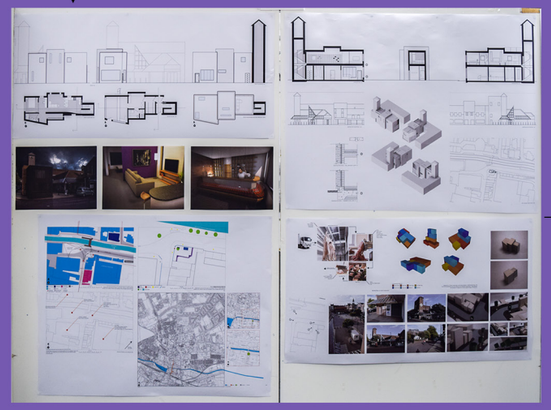
EARLY 2016




MID 2016

1ST YEAR

2ND YEAR



LATE 2016




EARLY 2017




MID 2017




LATEST

SECTIONTHREE

# INTEGRATEDDESIGN

ARC2001MCURRICULUM-VITAE

*IMAGE: TWO YEARS OF CRIT BOARDS*

**DOCUMENTS**
1: CURRICULUM VITAE
WILLIAM DOBIE

SECTION**FOUR**

# **DESIGN**AND**SOCIETY**

ARC2001M**GROUPWORK**

***IMAGE: UNIVERSITIE'S PRIVATE-PUBLIC CAMPUS***

**DOCUMENTS**

1: SINCIL BANK: HOUSING STRUCTURES

WILLIAM DOBIE, LUKE PARKHUSRT, ELLIOT FOSTER, MICHAELLA LOPEZ

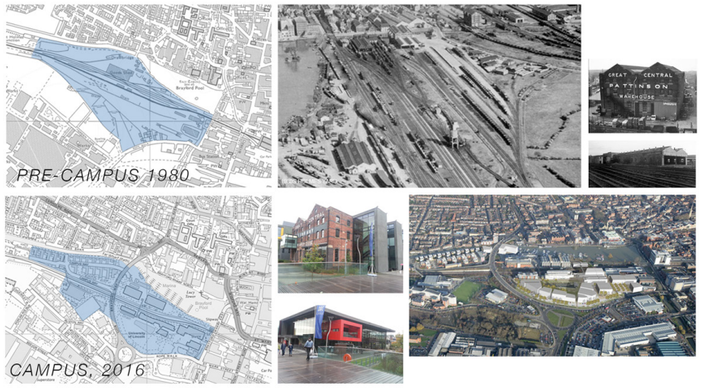
2: PRIVATE AND PUBLIC REALM: UNIVERSITIES

MALENE RIISE, LAUREN JONES, DEMI MCCOID, WILLIAM DOBIE, LUKE ASPEY

PRIVATE PUBLIC PRESENTATION

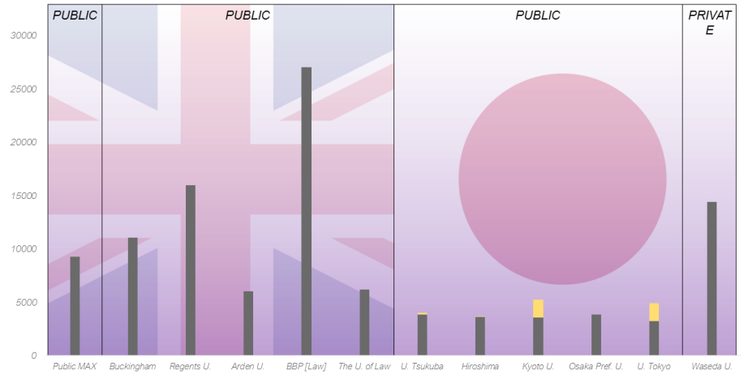



## CAMPUS HISTORY




## PRIVATE & PUBLIC UNIVERSITIES

*TUITION FEES IN THE UK & JAPAN*



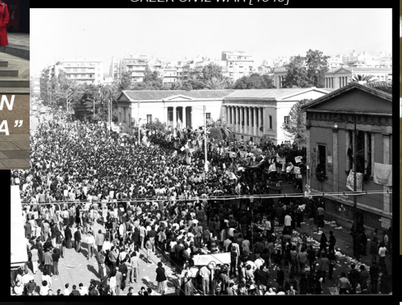




SU PROTEST [LINCOLN 2017]

## FREEDOM OF SPEECH

GREEK CIVIL WAR [1949]





**UNIVERSITY ASYLUM** - GREEK JUNTA INVASION [NOV 17 1973]

## SECURITY & GUN LAWS



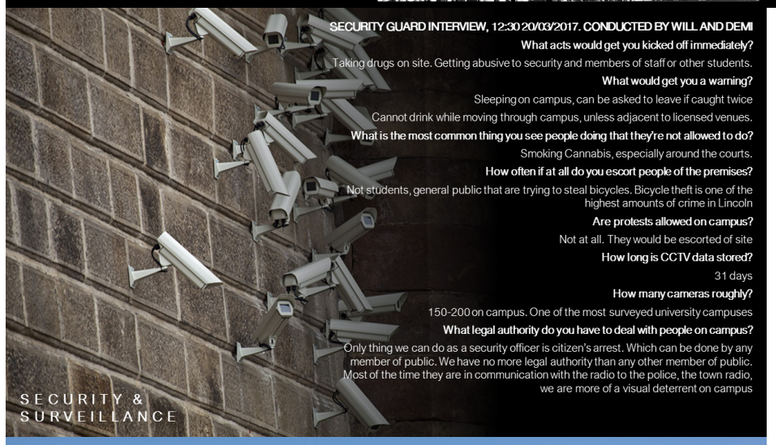




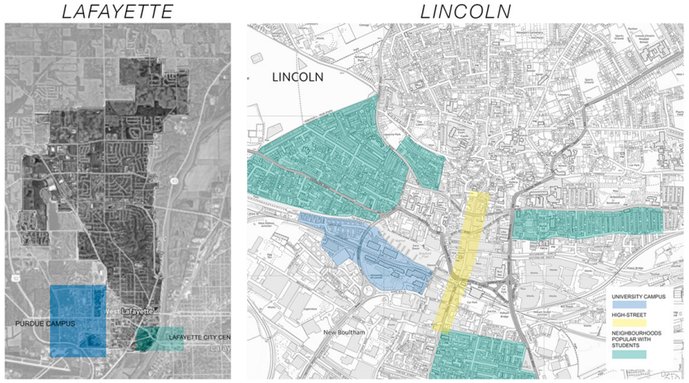
"YOU CAN'T BUILD PEACE WITHOUT A PIECE"




"RID THE PIECE, KEEP THE PEACE"




## LOCATION WITHIN CITY










## *Social Capital*

*Connections between people in a community*

*Ranges from short convocations to social events and leisure activities*

*Contributes towards sense of community*



## *How is Social Capital Influenced?*

| Context | Life cycle needs |
|---|---|
| Movement structure | Ownership and Personalisation |
| Local facilities | Lifestyle differences |
| Mixed use | Public space |
| Mixed tenure | Natural surveillance |

# SINCIL BANK PRESENTATION

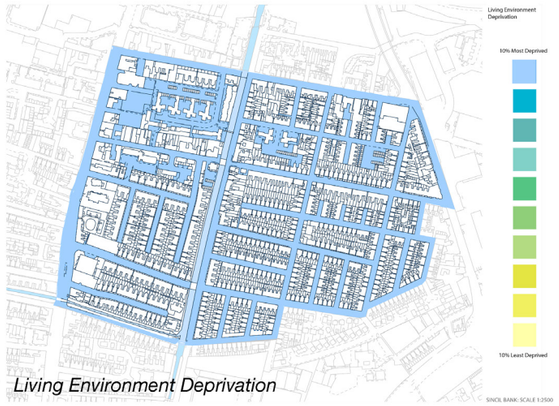
## Context

*Industrial Past*

*Housing built around industry*

*Industry shut down*

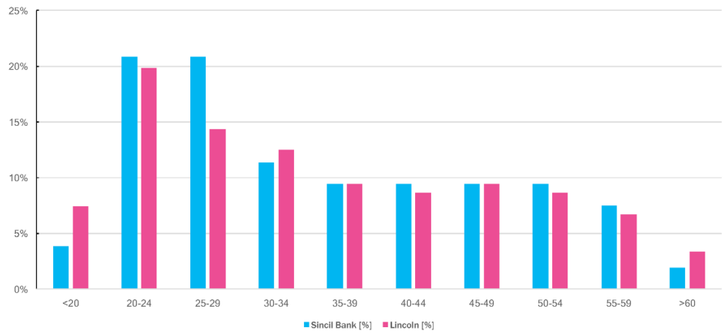





*Context* ***Living Environment Deprivation***




## *Life Cycle Needs*




*Population Make Up for Sincil Bank & Lincoln*

## *Questionnaire Results*




## *Ownership*

*Lack of ownership contributes towards neglect and antisocial behavior.*

*No sense of territorial responsibility.*

*Blinds Shut to increase privacy, but reduces natural surveillance*





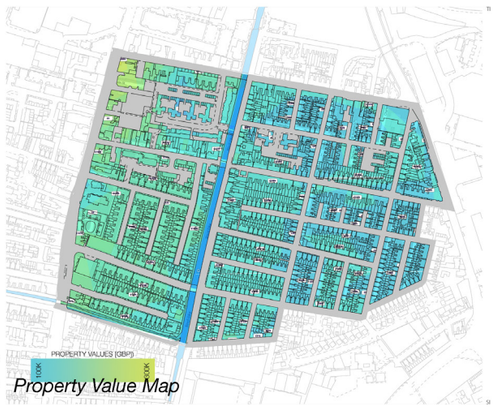
## *Personalisation*

*If there was more public space there would be higher social capital.*

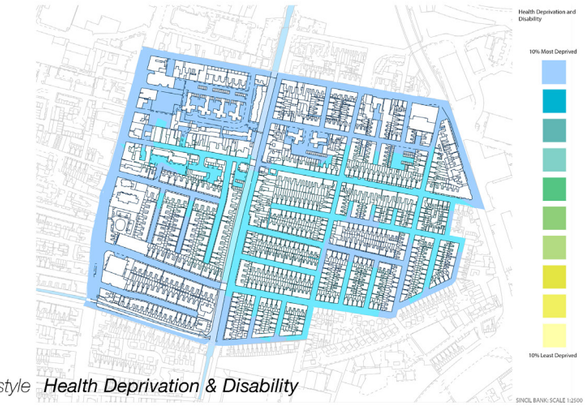
*More public space = More interaction between members of the community.*

*Only public space in the area we looked at promotes antisocial behaviour because its not well maintained.*

## *Public & Private Land*




*Mixed Tenure* ***Property Value Map***




*Lifestyle* ***Health Deprivation & Disability***

## *Natural Surveillance*

*...limits the opportunity for crime by taking steps to increase the perception that people can be seen.*



## *Conclusion*

*Where does Sincil Bank have potential?*

| | | |
|---|---|---|
| ***Movement Structure*** | ***Local Facillities*** | ***Context*** |
| ***Access*** | ***Mixed Use*** | ***Ownership*** |
| ***Footpaths*** | ***Life Cycle Needs*** | ***Personalisation*** |
| ***Natural Surveillance*** | ***Public Space*** | ***Mixed Tenure*** |
| | | ***Lifestyle Differences*** |

*William James Dobie - 13488786 - University of Lincoln*

SECTION**FOUR**

# **DESIGN**AND**SOCIETY**

ARC2001M**ESSAY**

***IMAGE: GRANARY SQUARE, KINGS CROSS***
*SRC: GOO.GL/E4LZ1H*

**DOCUMENTS**

1: THE IMPACT OF PRIVATISATION OF PUBLIC SPACE ON SOCIETY IN LONDON AND THE REST OF THE UNITED KINGDOM

WILLIAM DOBIE