



To Preserve Nature and Nurture

THROUGH THE THERAPUTIC BENEFITS OF BIOPHILIC DESIGN AND
MEANINGFUL MAKING

**Arranged by:
Monique Morris**

Final major project



The Greyfriars Chapel Bird sanctuary and Wellness Facility

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Final major project

THE BRIEF

LOCATION:

CANTERBURY'S
GREYFRIARS CHAPEL AND
FRACACIA GARDENS



DELIVERABLES

IN DEPTH RESEARCH
COMMUNITY ENGAGMENT
CONCEPT DESIGN
DETAILED DESIGN DRAWINGS
VISUALISATIONS

OUR VISION

Our long-term vision for the site focuses on our key priorities of:

- Conserving this important scheduled ancient monument
- Caring for nature and wildlife
- Offering space for relaxation and to benefit mental health
- Becoming an integral part of the local community through engagement

My Goal

To design an engaging a bird sanctuary that provides a non-clinical and supportive environment for men aged 45 and over, focusing on mental wellbeing through nature immersion, self-reflection, and hands-on activities.

TARGET AUDIENCE

- Men aged 45+
- Individuals seeking a tranquil and restorative environment.
- Those interested in birdwatching, photography, and woodworking.
- Individuals who may benefit from non-conventional forms of therapy and self-reflection.
- Those who value nature and its therapeutic benefits.
- Those dealing with mental health issues, social isolation or boredom.

OBJECTIVES

1. **Promote Mental Wellbeing:** Create a space that encourages relaxation, contemplation, and stress reduction through interaction with nature.
2. **Facilitate Self-Reflection:** Design secluded areas for individual introspection and quiet contemplation.
3. **Offer Distraction & Engagement:** Provide hands-on activities, such as woodworking and photography, to engage the mind and offer a sense of purpose.
4. Offer **opportunities** for men **to connect** with others who share similar interests (if desired).
5. **Educate & Inspire:** Showcase the beauty and importance of birds through exhibitions and learning opportunities.

DESIGN APPROACH

1. **Accessibility & Comfort:** Design a space that is accessible, comfortable, and welcoming for men of all physical abilities.
2. **Sustainability:** Incorporate sustainable design principles and materials to minimize environmental impact.
3. Site should offer **diverse landscapes**, including woodland, heathland, wetlands and open spaces.
4. Consider **light pollution** and **noise pollution**.
5. **Acoustics:** Consider noise levels and design spaces to minimize distractions.

KEY CONSIDERATIONS

- The project should create a safe, supportive, and non-judgmental environment for men.
- The design should reflect the unique **needs and interests of the target audience**.
- The layout should be **acessible** for those with limited mobility.
- The sanctuary should be **a place of healing and rejuvenation**.
- The project should be designed to encourage men to **reconnect with nature**.

APPENDICES

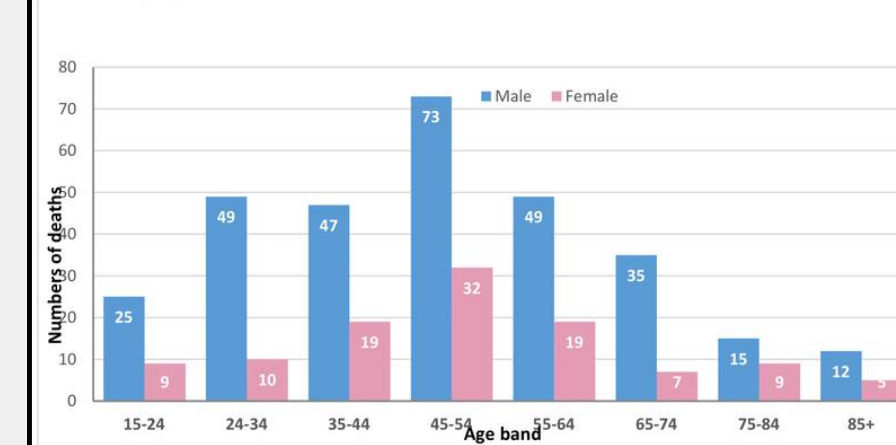
1.  **Floor Plans and Elevations**
2.  **Material and Furniture Specifications**
3.  **Traffic flow diagrams**
4.  **Visualisations**

USER ANALYSIS

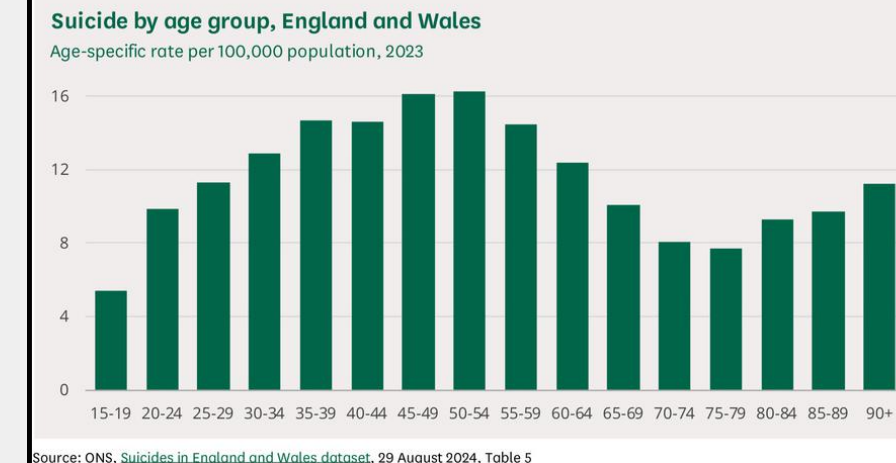
These statistics paint a clear picture of the need and opportunity for a bird sanctuary and wellness centre in Canterbury city centre.

1. The **alarmingly high suicide rates among men aged 45 and over**, both nationally and locally, highlight this group as a **vulnerable population requiring targeted support**. Compounding this vulnerability is the well-documented phenomenon that **men are significantly less likely to seek help for mental health challenges compared to women**.
2. Research consistently shows that **societal expectations** around **masculinity** often **discourage** men from expressing vulnerability or admitting to struggles, leading to delayed or absent help-seeking. This **reluctance to engage with traditional mental health services** necessitates **innovative and accessible interventions**.
3. By creating a **non-clinical, nature-based environment**, we can potentially **bypass the stigma associated with traditional mental health settings**, making support **more approachable** for men who may otherwise avoid it.
4. Combining the **therapeutic benefits of nature exposure**, with the **pre-existing interest in bird watching among adults aged 45-65+**, make a bird sanctuary an ideal intervention.
5. With a significant portion of **Canterbury's population** falling within the **40-69 age range**, there's a substantial **potential audience** for a sanctuary focused on mental wellbeing.

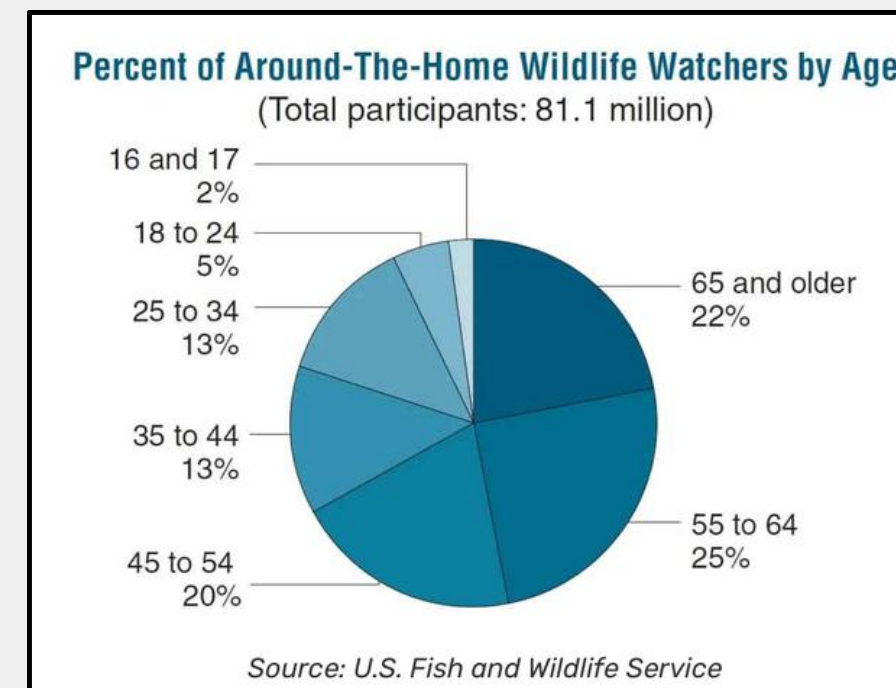
Chart 2 – Number of deaths from suicide and events of undetermined intent 2015-17 by age band and gender in Kent



**NUMBER OF DEATHS BY SUICIDE
FOUND HIGHER IN MEN THAN
WOMEN**



HIGHEST IN 45-49 AGE RANGE



**MAJORITY OF BIRDERS ARE 45
AND OVER**

FACILITIES

Interior

Reception-	To welcome visitors provide aid with signups/ general questions/exhibitions
Toilets-	Accessible for anyone
Kitchen-	Open access to tea, coffee and other refreshments aim to achieve a home from home experience .
Staff room-	Somewhere restricted for staff to keep thier belongings - may benefit being close to kitchen
Workshop-	To help guests busy their minds with hands on tasks . <ul style="list-style-type: none">• Adjustable height worktops• Tool storage• Well lit work areas• Material storage
Exhibition-	Allow users to invite friends and family to view thier weekly craftsman's ship. <ul style="list-style-type: none">• Plenty of room to manouver• Natural light to create a tranquil environment• Planted interior to continue the connection with nature

Specific for my target audience

Accessibility-	Lifts, grab rails and wider door openings ensure everyone can navigate the space comfortably, regardless of physical limitations .
Acoustics-	Prioritising acoustic barriers to prevent background noise to ensure those with hearing difficulties can engage in conversation.
Visual clarity-	Clear signage/information boards and high contrasting colours ensure information is easily accessible for those with potential vision deterioration .
Ergonomic-	Offer a large array of seating, supportive yet comfortable and prevent fatigue .
Familiarity-	Familiar design elements and natural materials can provide a sense of comfort and security .

Exterior

Observation - Tower	Comfortable Seating , padded chairs, armrests. Visibility- inspiration from the periscope Insulation: maintain a comfortable temperature. Stability and safety with robust railings and non-slip surfaces .
Self Reflection hides	- Create a strong connection to nature through birdwatching self reflection. Have a good line of sight for adequate bird observation. Comfortable seating to encourage visitors to stay longer as well as located in a relaxing location. simple design to minimise distractions. writing surface for optional journaling, and contemplation aids.
Information- boards	These boards will have helpful information about mental support services as well as weekly itinerary of workshop activities and score boards (weekly bird finds).

The Team

Disclaimer: these are not real people.
The images are Ai generated and the
job descriptions are theoretical to help
understand the mission of my concept

The wise guy



Jake Meadows

**Therapist & workshop
faciliator**

Jake is a 36-year-old nature therapist with a background in bushcraft and carpentry. He spent five years running outdoor therapy sessions for men's mental health groups and has a calm, reassuring presence.

He's an experienced woodworker and often incorporates meaningful making—like carving walking sticks or birdhouses.

The eco warrior



Rueben Ash

**Homing Pigeon & NatureScape
Coordinator**

Reuben is 42 and has a long history working with birds, especially pigeons. He grew up around racing pigeons with his grandfather and now sees pigeon keeping as personal tradition. He is a quiet educator who speaks with insight and thoughtfulness. Reuben's home is full of rescued birds and plants. He has a passion for keeping indoor plants and owns 4 bio active terrariums.



Theo Lark

**Wildlife Garden & Habitat
Technician**

Theo is a 29-year-old naturalist with a background in permaculture and ecological landscaping. He currently has a job in a community wildlife garden and runs a popular chatty Saturday workshops on bird-friendly planting. Easygoing and knowledgeable, Theo's always up for sharing his passion for nature and will talk about just about anything.



Micheal Blossom

**Receptionist & Exhibition
Organiser**

Micah is 34, with a background in arts administration, hospitality, and community events. He was the front-of-house coordinator for a rural arts centre and has organised exhibitions on nature, wellbeing, and local heritage. His famous party trick is remembering names, birthdays, and people's favourite birds.

The calm one

The Glue

CONTEXT RESEARCH



Forest bathing Shinrin-yoku, is a Japanese practise with studies that show mindfully **engaging with nature has proven benefits** such as stress reduction, improved mood and boosted immune functions.

Homeforest is a smart, interactive system that uses technology to **mimic the calming effects of nature**. It creates a personalized, dynamic forest environment that responds to your presence and emotional state.



RSBP Arne is a SSSI with a wide variety of **biodiverse habitats**. Mostly heathlands, open greens and boarded woodlands. Multiple trails including 1.5 hours hike and easy access routes.

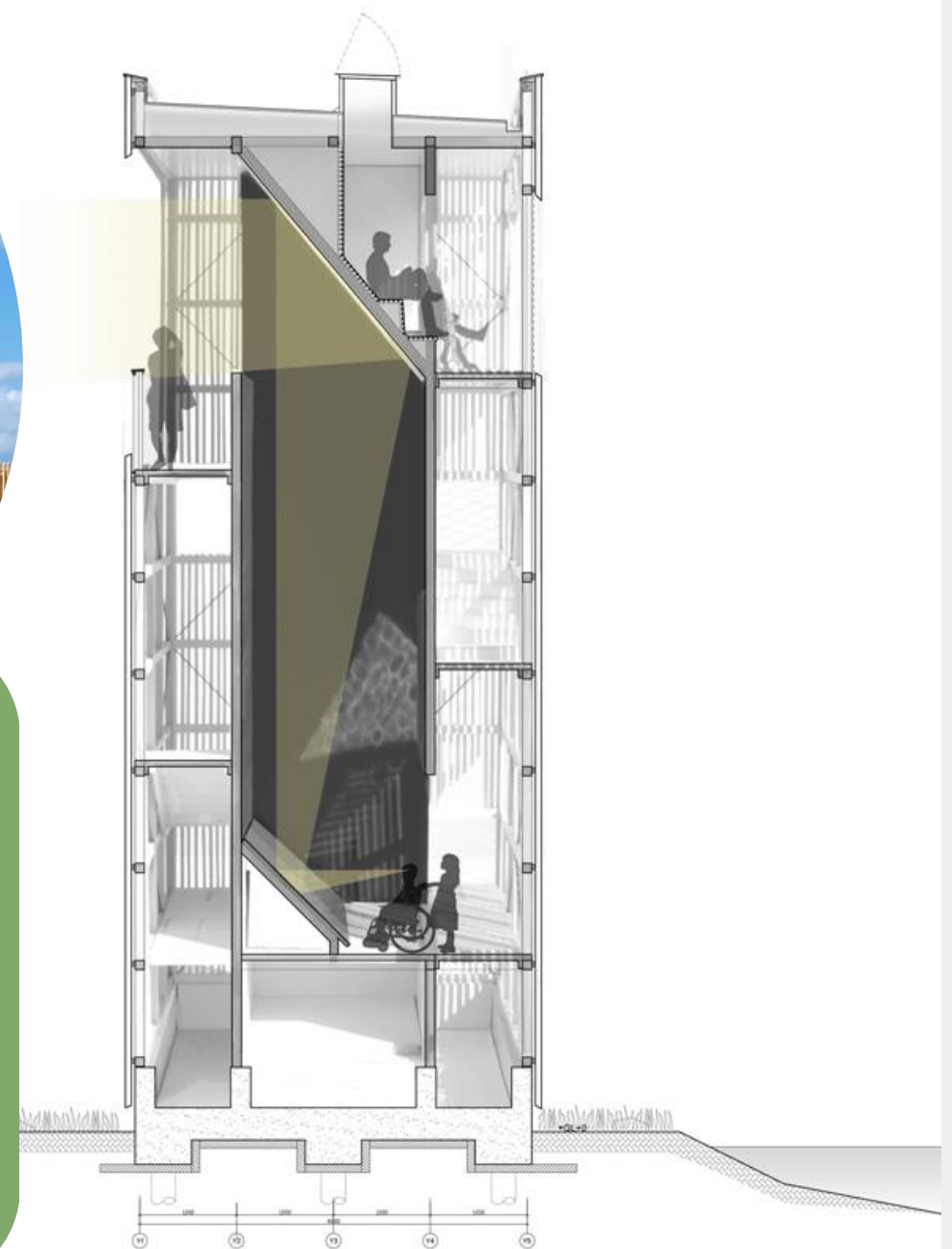


CASE STUDIES

- The healing power of nature: the need for nature for human health
- Natural soundscapes enhance mood recovery amid anthropogenic noise pollution
- Designing Urban Green Blue Infrastructure for Mental Health and Elderly Wellbeing
- Homeforest Davidson prize winner
- Forest Bathing (Shinrin-yoku)
- Periscope Tower
- RSBP Arne Dorset



The periscope tower designed by OOEPA, situated beside a lake in Finland, has strategically placed mirrors which allow people to experience elevated views from ground level making it accessible for a wide range of users



THE PURPOSE

The indoor garden

The **indoor garden** draws **inspiration** from the Japanese practice **shinrin-yoku**, also known as **forest bathing**. The garden gives users a **calm, nature connected space to pause and reflect all year round**.

The importance of having an indoor feature is a practical response to the **unpredictable British climate**. It allows users to **enjoy the benefits of being immersed in nature** regardless of the weather.

image:EdenProject Cornwall



The exhibition space

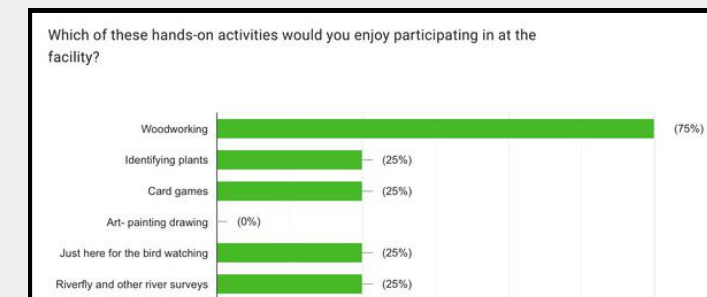
Many bird enthusiasts also **share a passion for creative practices** such as art **bird photography** and **woodworking**. As part of the design I've included a space where group members can **invite friends and family** to view their work whether that's **handmade objects or captured moments** this offers the **opportunity** for friends and family **to celebrate their creativity** but also **build a sense of community connection and support**. Sharing these works with friends and family and enhances **confidence and reinforces positive identity**.



The Pigeon Loft

The inclusion of a **pigeon loft** offers users **meaningful tasks** that can bring **routine into their daily lives**. Looking after birds **creates a sense of responsibility and purpose**. Whilst **hearing and observing** them can have **calming benefits**. There are studies to suggest there is something grounding about birds the movement sounds and presence.

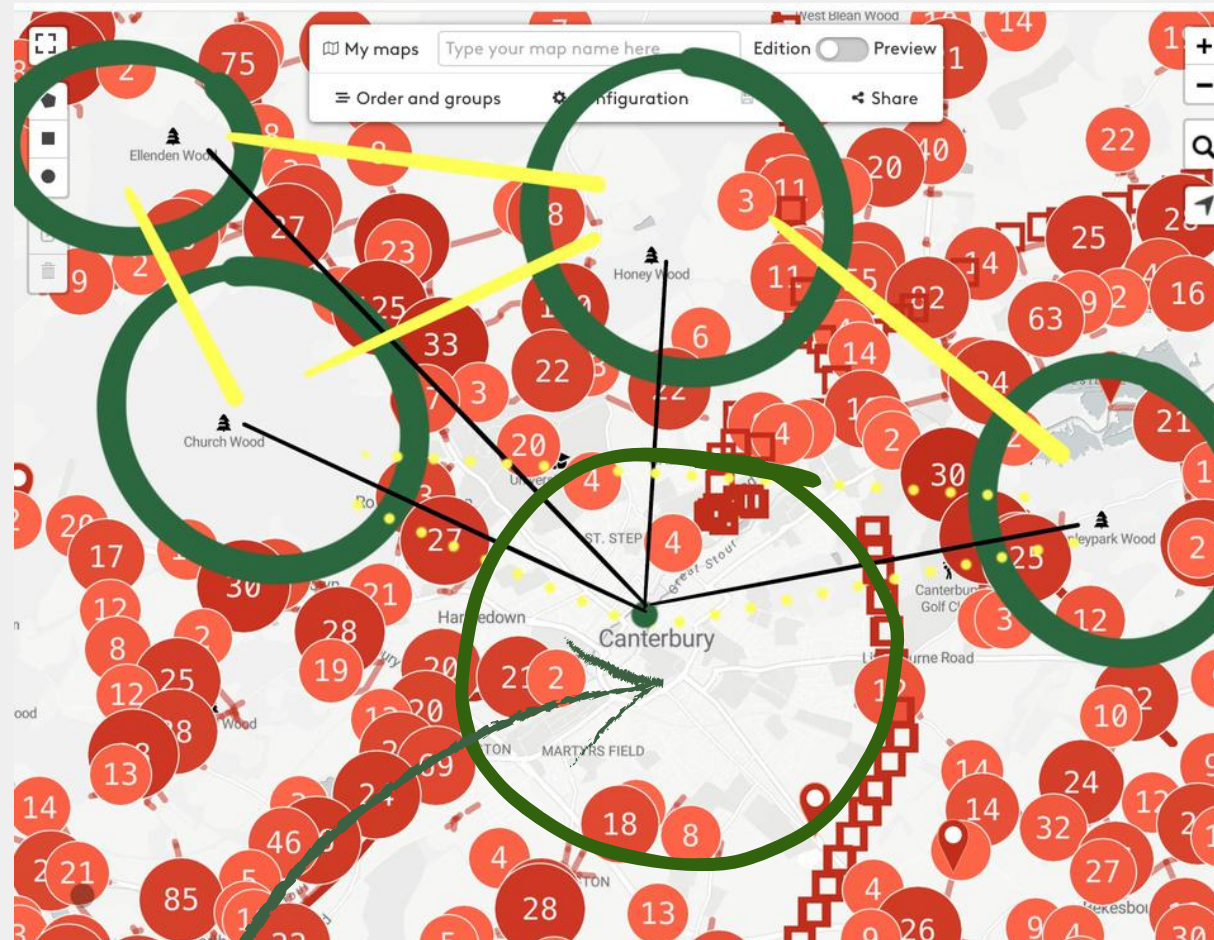
The Workshop



Survey feedback indicated that a **majority** of men find **hands-on tasks most helpful** for managing their mental health. Consequently, the main function room will **host weekly group activities** centered on these tasks to **engage meaningful making**. Notably, **75%** of survey participants **expressed interest in woodworking**. I proposed a weekly itinerary similar to this on the left.

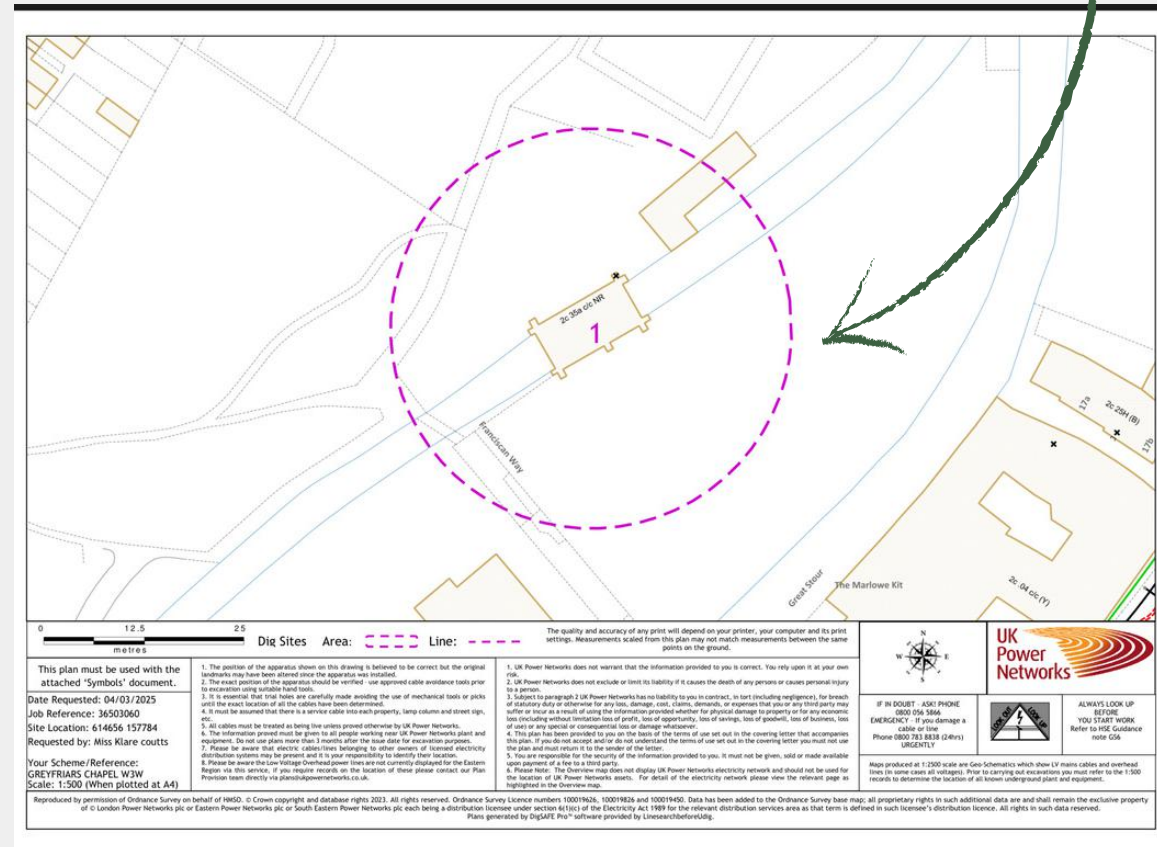
SITE ANALYSIS

Potential hazards in the surrounding area



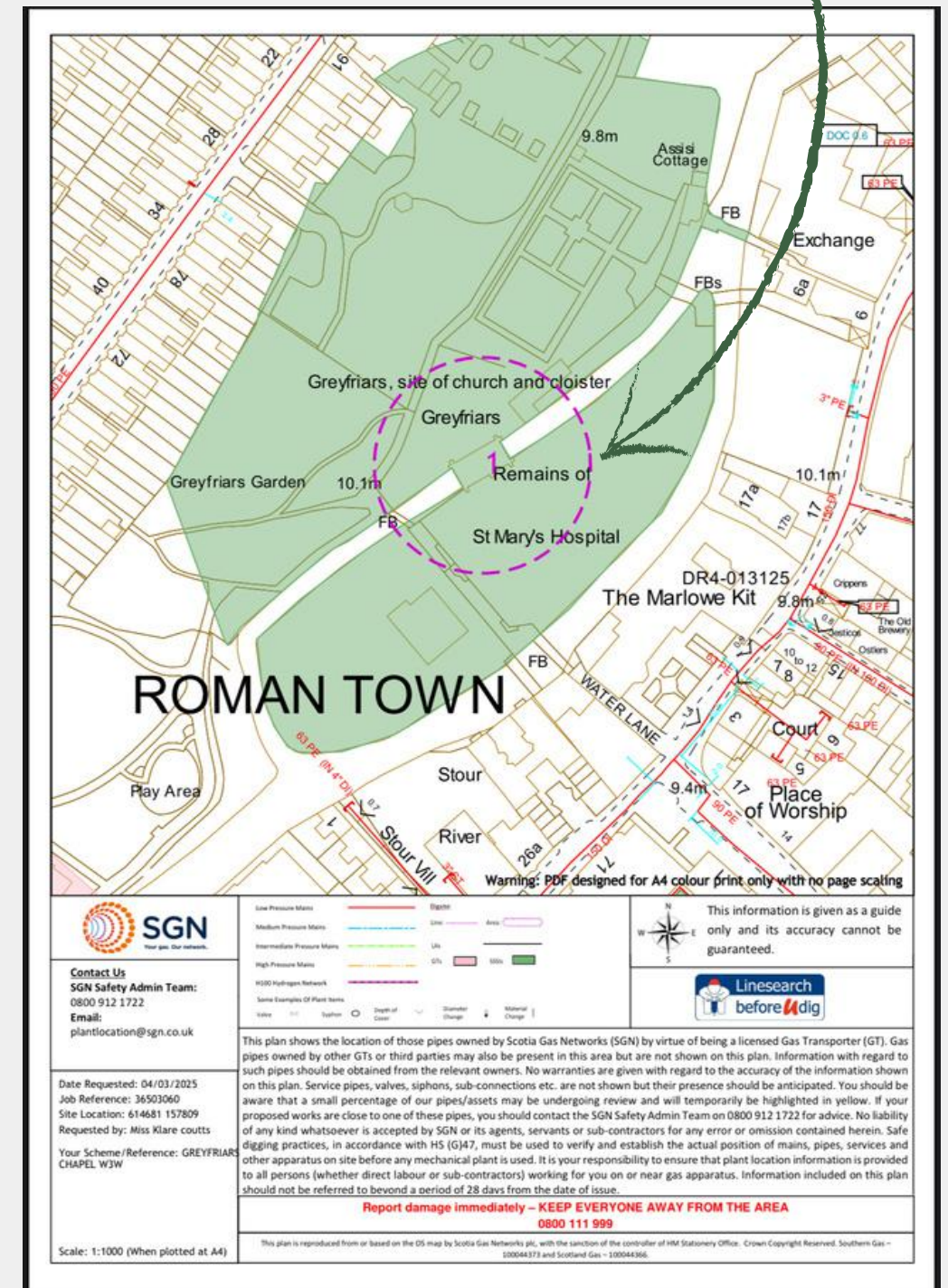
Natural Clearance

0 Electrical cables



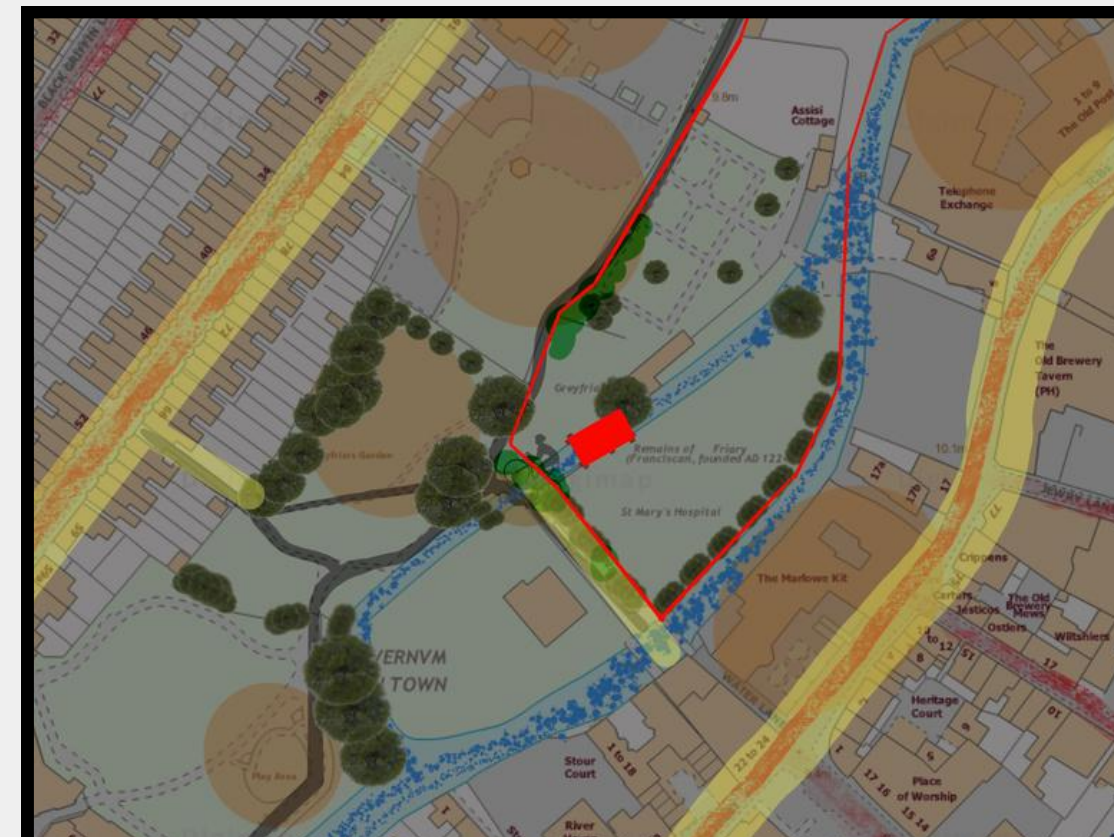
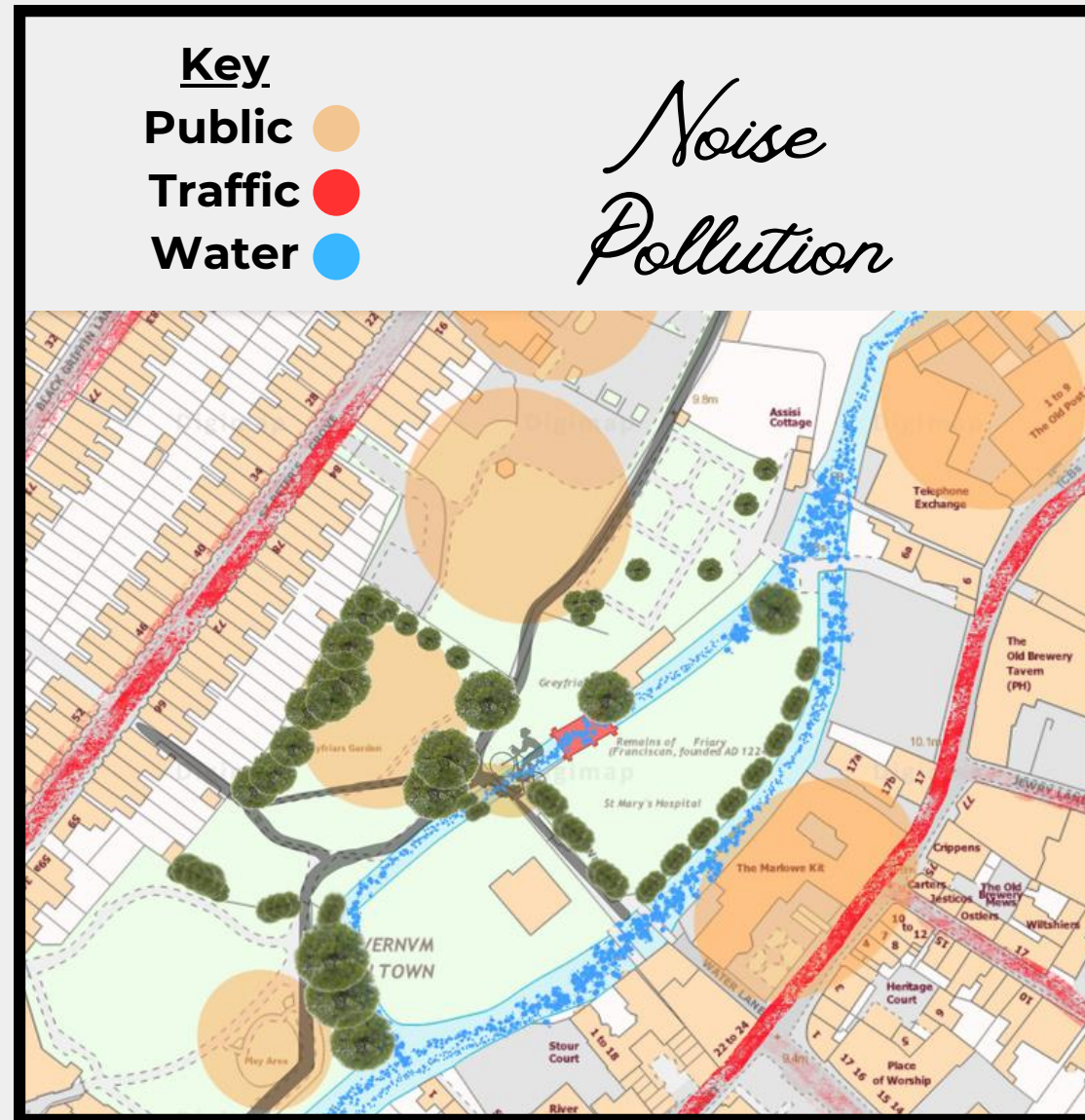
The area presents **very few environmental hazards to birds**, and the **lack of overhead wires and underground gas pipelines minimizes** both the need for **ground disturbance** and **potential noise pollution** from maintenance. Making it an **ideal location for a nature reserve**.

0 Gas pipes



SITE ANALYSIS

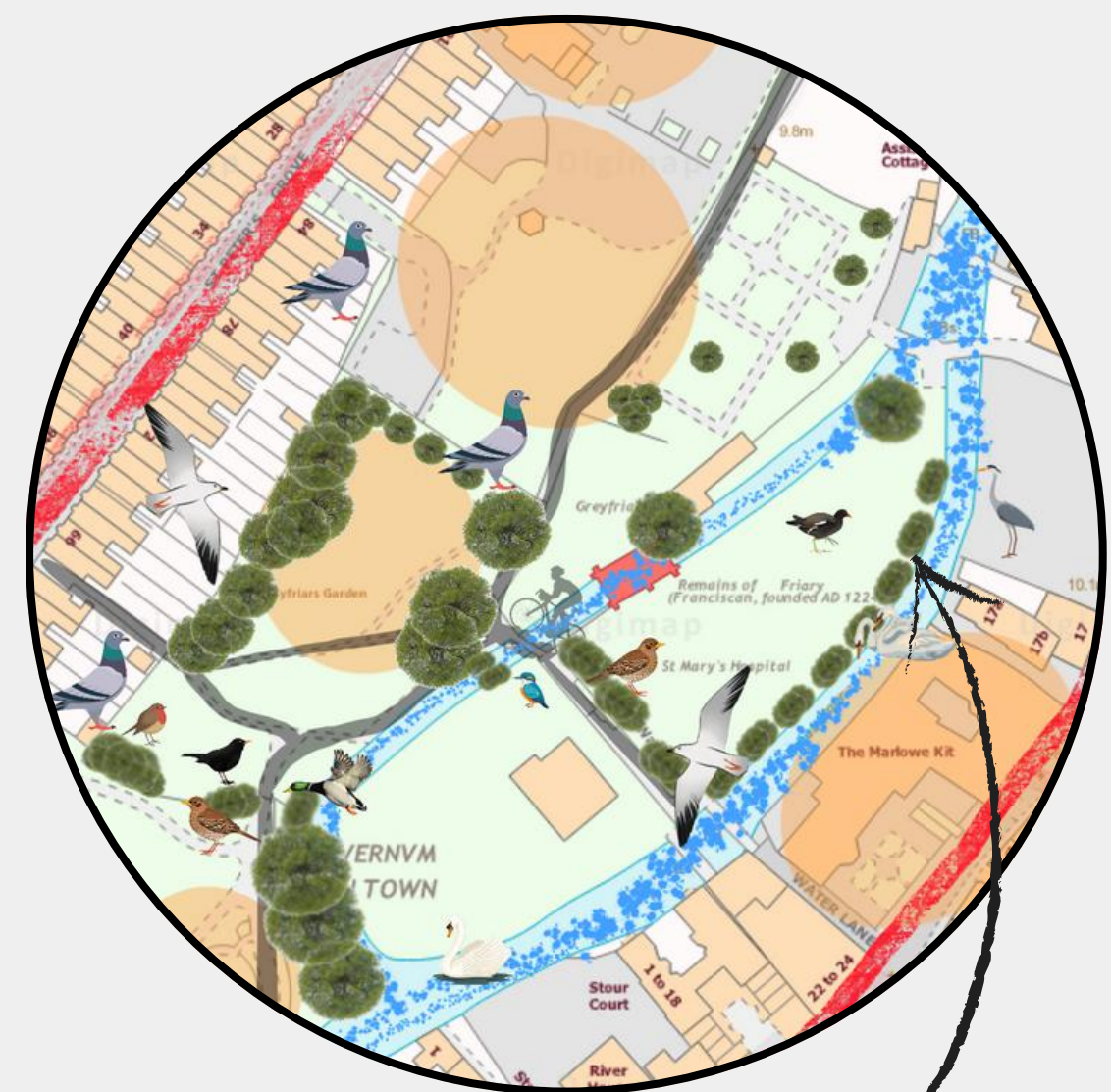
Human made pollution



The site's **remote location**, nestled **between residential streets** and away from the high street, provides a **naturally secluded environment**. A **dense tree line** effectively mitigates light pollution, while the adjacent **river helps to absorb and dampen noise** from neighboring properties. However, the few **lampposts illuminating the public footway** across the river create a **minor light disturbance**, suggesting the **need for additional foliage** to further **enhance light blockage**.

SITE ANALYSIS

Local Birds Spotted



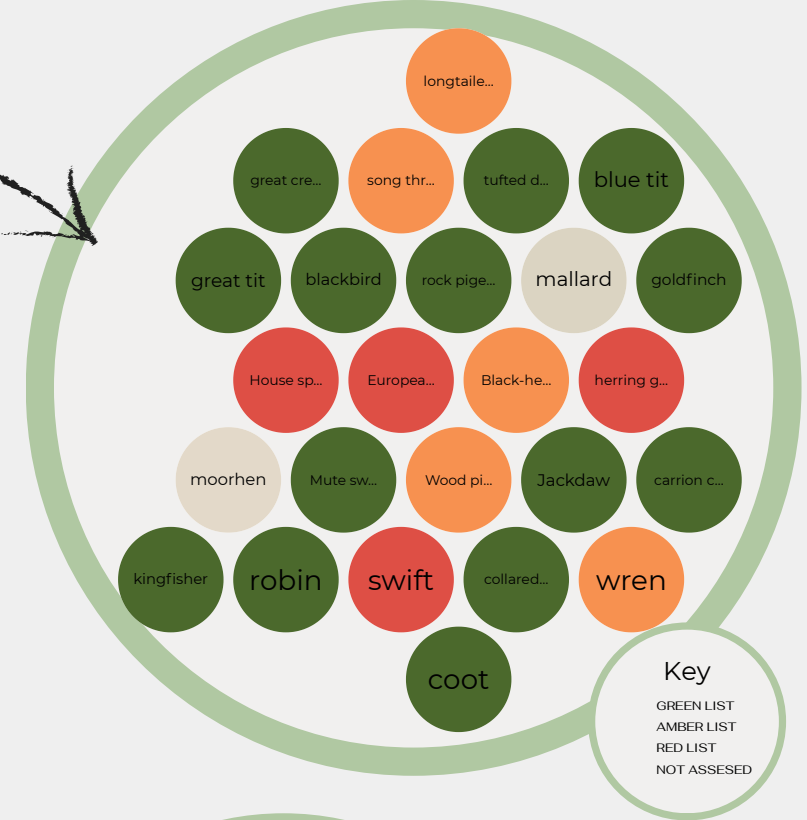
Sound map

A visual map of birds found during site visit on
DATE



Conservation List
The at-risk birds include Wood Pigeon, Long-tailed Tit, Swift, House Sparrow, Starling, Wren, Song Thrush, and Herring Gull.

Preferred Habitats



Key
GREEN LIST
AMBER LIST
RED LIST
NOT ASSESSED

Spotted by locals

Good Variety, good for attracting bird watchers.

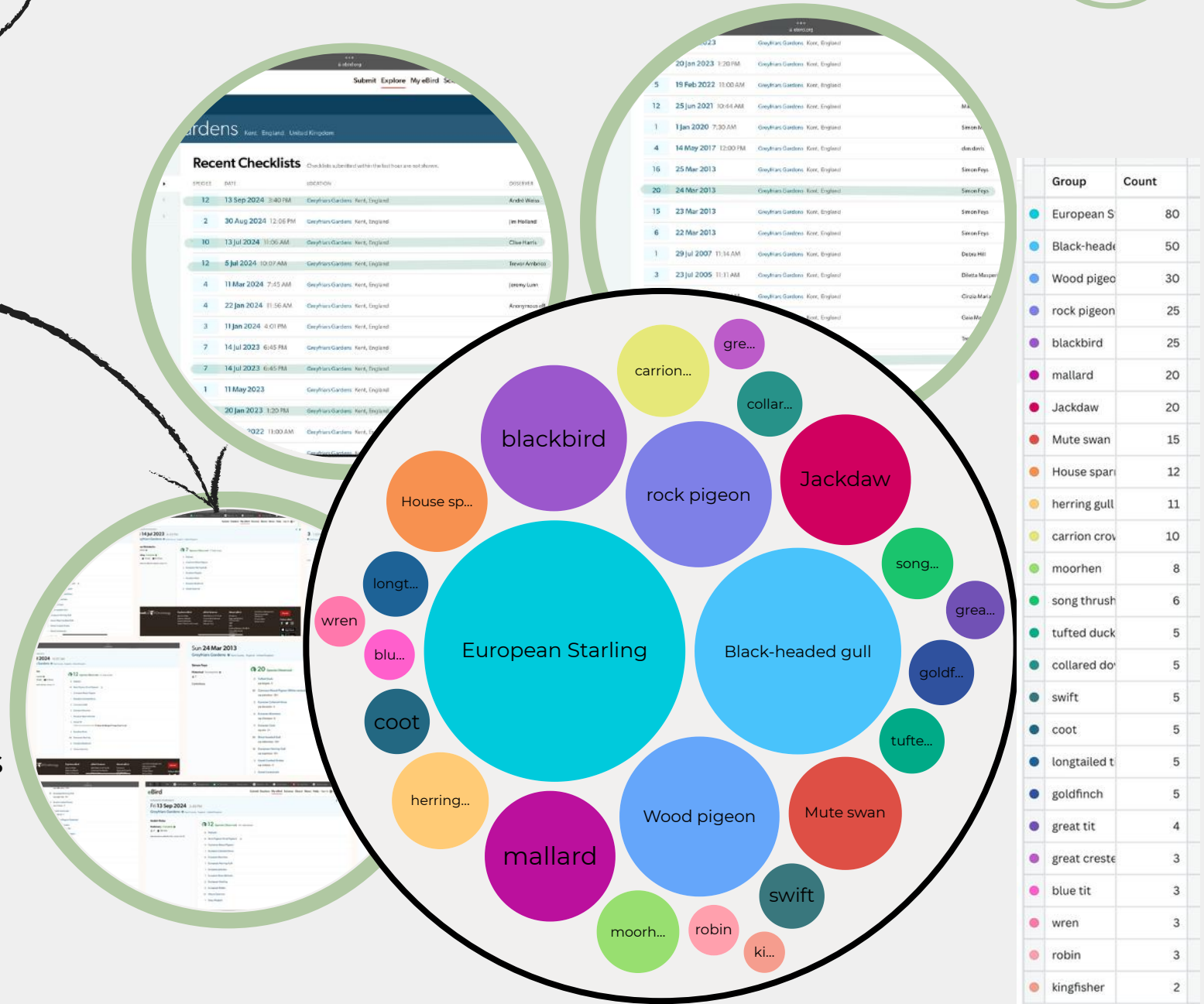
Starling: Most common (80 seen in 2024)

Pigeons: Many types, need good places to live/eat, **or think about keeping numbers down.**

Garden Birds: Already here (Sparrow, Blackbird, Robin, Tit), give them food and nests to bring more small birds.

Special Birds

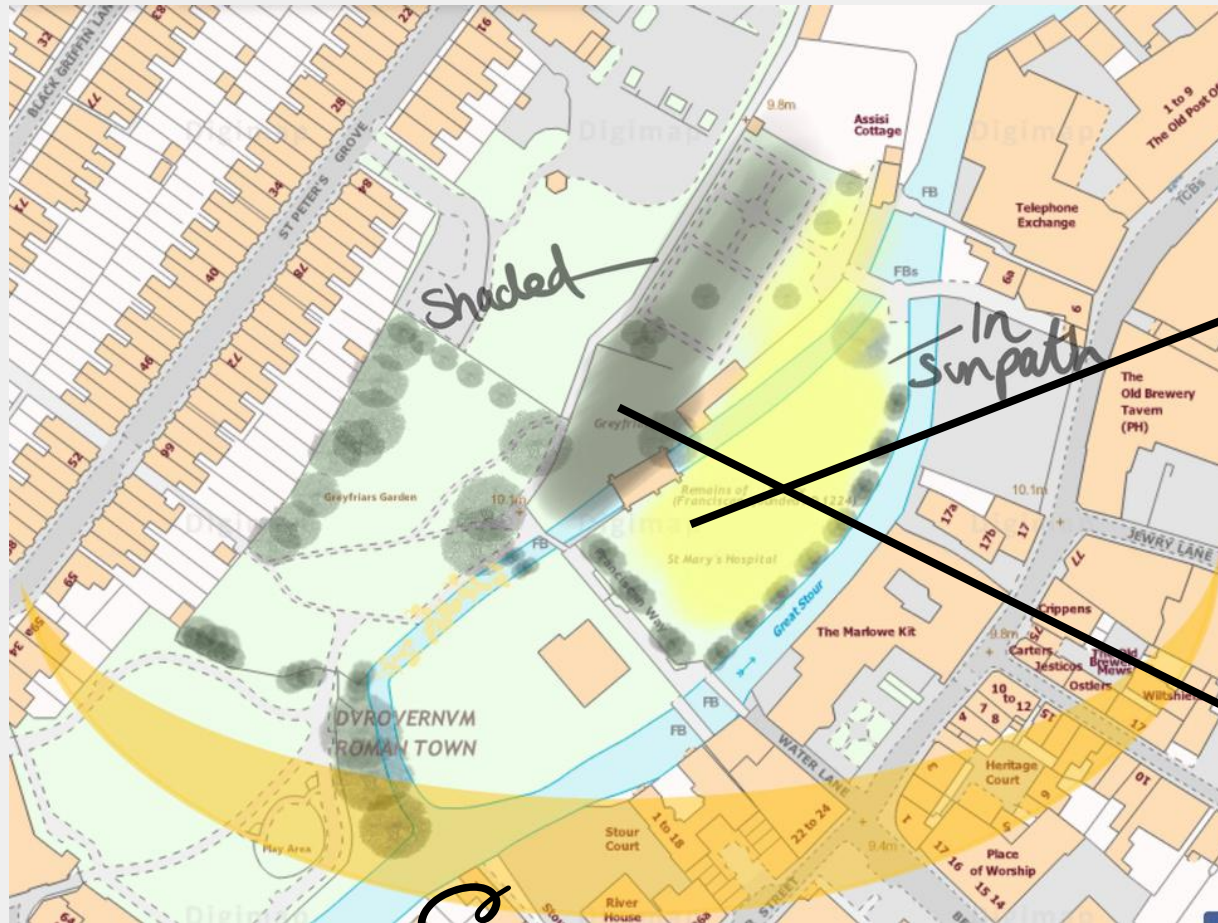
- Kingfisher: Needs water with fish.
- Swift: Needs open sky to fly and eat.



SITE ANALYSIS

Sunlight

Aim to utilise the difference in sun exposure to create a **diverse habitats** with **local plants** attracts a wider range of **local bird** species by providing **familiar food, varied shelter**, and nesting sites.



Sun path



Front



Rear

Habitats

- Key
- Wetland
 - Gladeland
 - Heathland
 - Shrubs
 - woodland
 - Coppice



The site leverages **both sunny and shaded areas** which can be used to **maximise habitat diversity**.

The **sunny section** will features **seed-producing flowers** and **native grasses for food**, with **varied plant heights** and **thorny shrubs for shelter**.

The **shaded section**, enriched by the **natural moisture of the river**, is best for **berry-producing shrubs** and **insect-attracting plants** for sustenance, using **dense evergreens for shelter**. Throughout the sanctuary, **native plants support local birds**, **layered vegetation** provides **varied habitats**, and **protection from prey**.

DIVERSE HABITATS

Haw thorn
Dense, prickly
coverage for
small birds +
autumn winter
berries



**guelder rose
bush**
Flowers attract
insects, berries
autumn



Gooseberry
summer/autumn
berries, food
source for most
birds



Strawberries
Spring/summer
berries, planted
under tall shrubs



Added Privacy
additional evergreen
tree barrier to
minimise noise and
light pollution



Wood chip recycling
left over shavings, sawdust
and biodegradable materials
turn into carbon and
pottassium enriched soils



Red fescue
low- medium grass
suitible for flying
hunters



Common Brent grass
Tall, Seedy grass
Food source for
finches

Yellow iris
Dense coverage
for moorhens



marsh marigold
Attracts insects



Common Reed
good nesting
site for Warblers



**English Water
Mint**
Attracts insects



**Preserving the existing fruit trees,
allowing them to mature.**



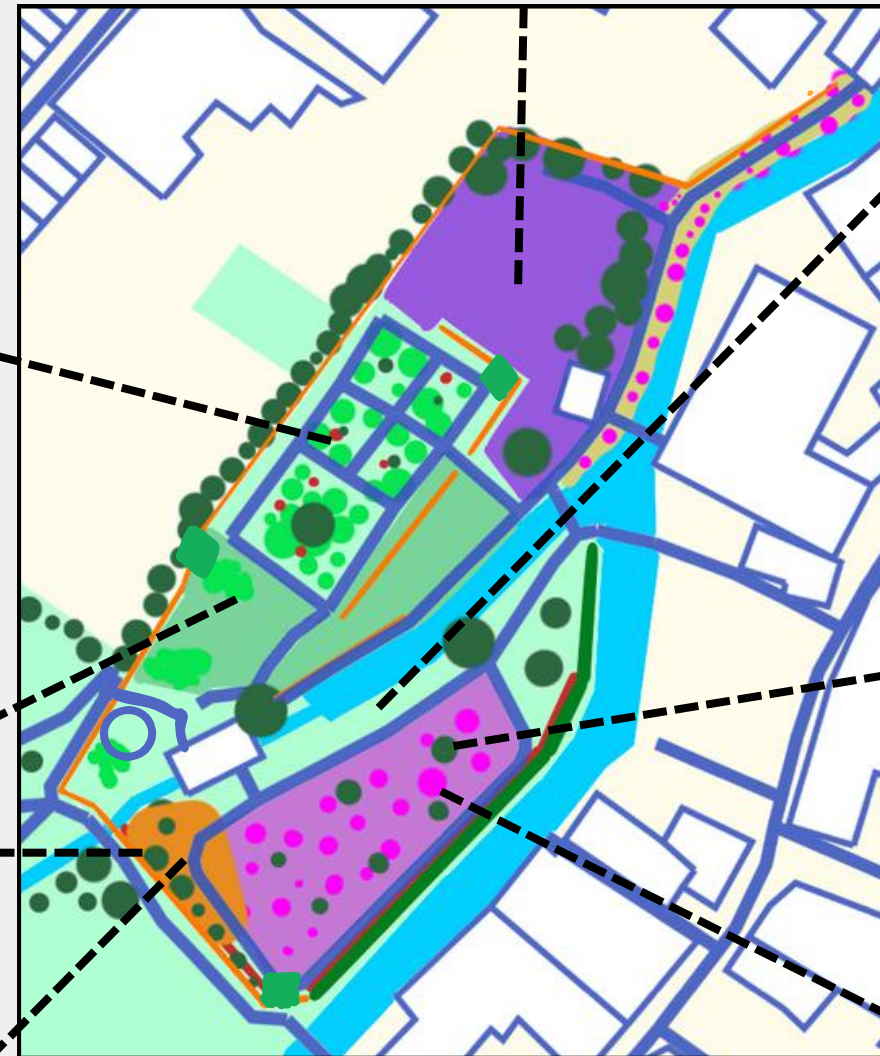
Heather
good nesting site
for Dartford
warblers



Bell Heather
Attract insects



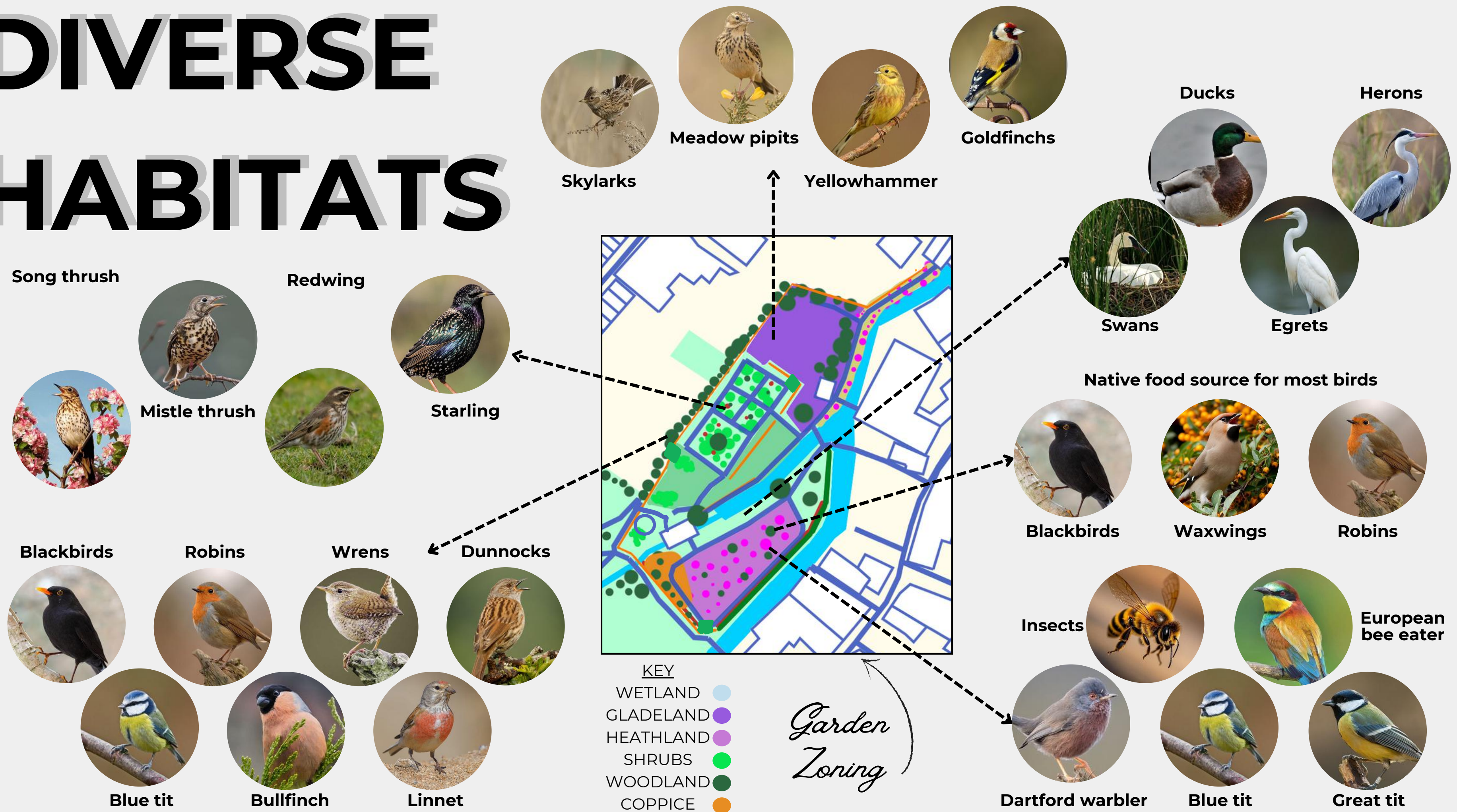
Bilberry bush
food source for
blackbirds and
song thrush.



KEY
WETLAND
GLADELAND
HEATHLAND
SHRUBS
WOODLAND
COPPICE

*Garden
Zoning*

DIVERSE HABITATS



SITE ANALYSIS

Accessibility

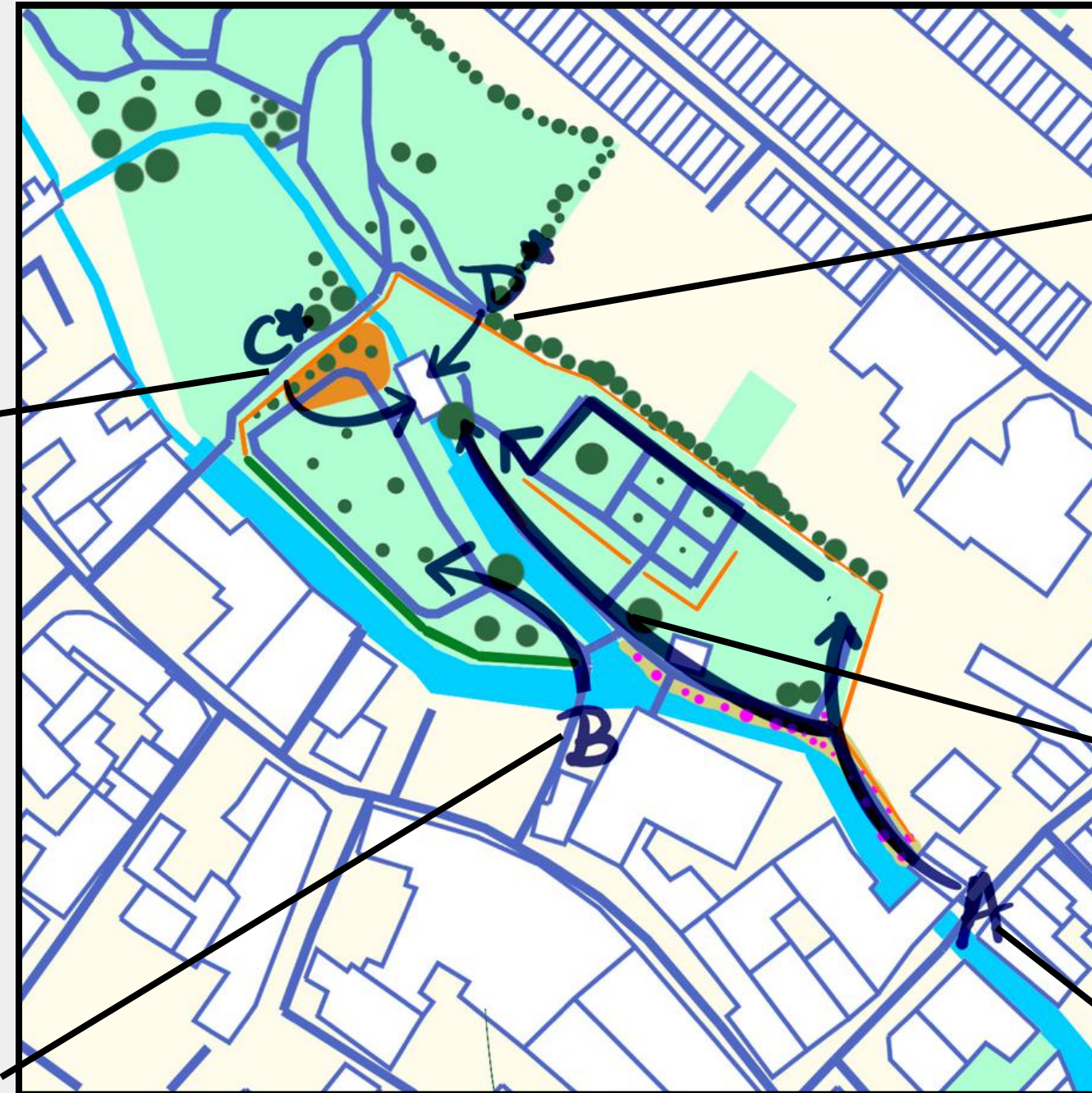
The current access has **uneven ground**, some **steps** in and out of the building, with **limited space for manoeuvring** inside the building. I'm proposing a **more accessible route** to the building by using access point **D**.



C locked gate could be a potential entrance to front of building
same route as D



B exit to residential area
Caution road



D Entrance to rear
accessible



A current entrance into grounds via gift shop, on the high street.
caution steps, uneven grounds



Entrances

TRAFFIC FLOW

The design preserved the existing access to the gardens but also introduce a more direct and accessible route better suited for individuals with limited mobility such as the elderly who may find longer walks challenging of those whom require wheelchair use.

in addition, I aim to retain the original pathways surrounding the garden courtyard while integrating paving slabs to ensure an even navigatable service throughout.

KEY

ENTRANCE

PATHWAY

HIDES

USER ROUTES

LINE OF SIGHT

KEY

WETLAND

GLADELAND

HEATHLAND

SHRUBS

WOODLAND

COPPICE



SITE ANALYSIS

Points of interest potentially visible from site



Duke's Meadow



Bleam Woods
Nature Reserve



Open air flight paths
over Farmers Fields



+historical interest
view from
observation deck



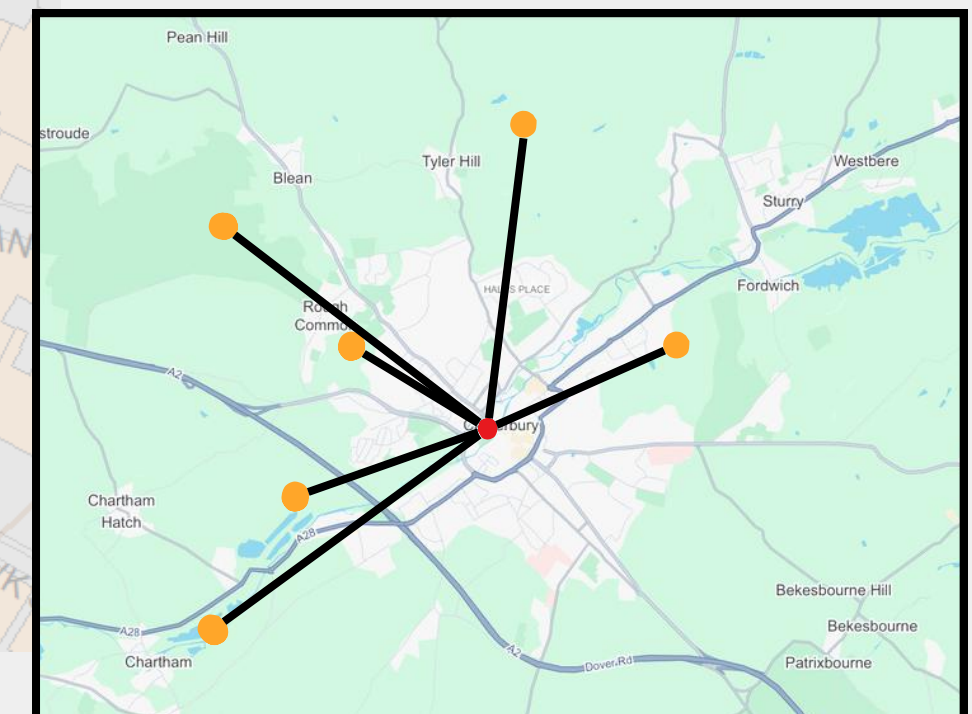
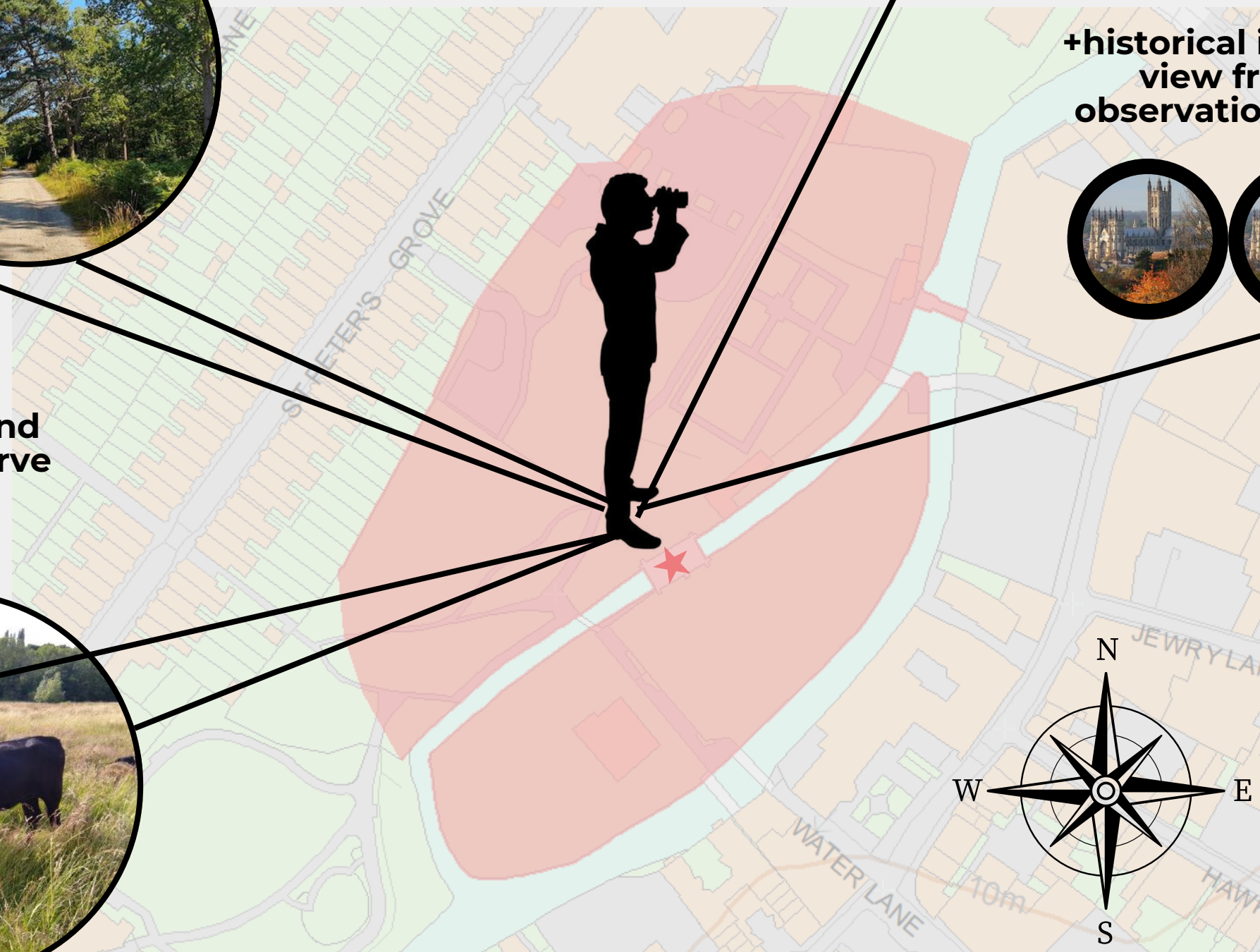
Golf course / Chequers
wood



Bingley Island
Nature Reserve



Hambrook Marsh



ROOMS AND DIMENSIONS

ENTRANCE

Need for accessibility due to potential mobility issues due to age (**door openings- 900mm with 300mm either side of door**)

KITCHEN

Small kitchen to offer guests access to refreshments like tea and coffee- must be accessible counter heights around **4000X2000mm**

WORKSHOP

to encourage visitors to engage in hands-on tasks I will need an activity room large enough to occupy six users at a time this room should approximately be **6000 x 4500mm**

EXHIBITION SPACE

Ideally this would be a **large** open space to allow for circulation and accommodate more guests. I'd like to make it planted to continue the therapeutic benefits of nature within the building.

LOFT (Pigeon keep)

The standard recommendation is one cubic meter (**1m³**) of **volume per bird**. Consequently, a loft intended for six pigeons must provide a minimum of six cubic meters. **This can be achieved through varying dimensions, including 3X2X1, 1X6X1, or 2X3X1.**

SMALL HIDES

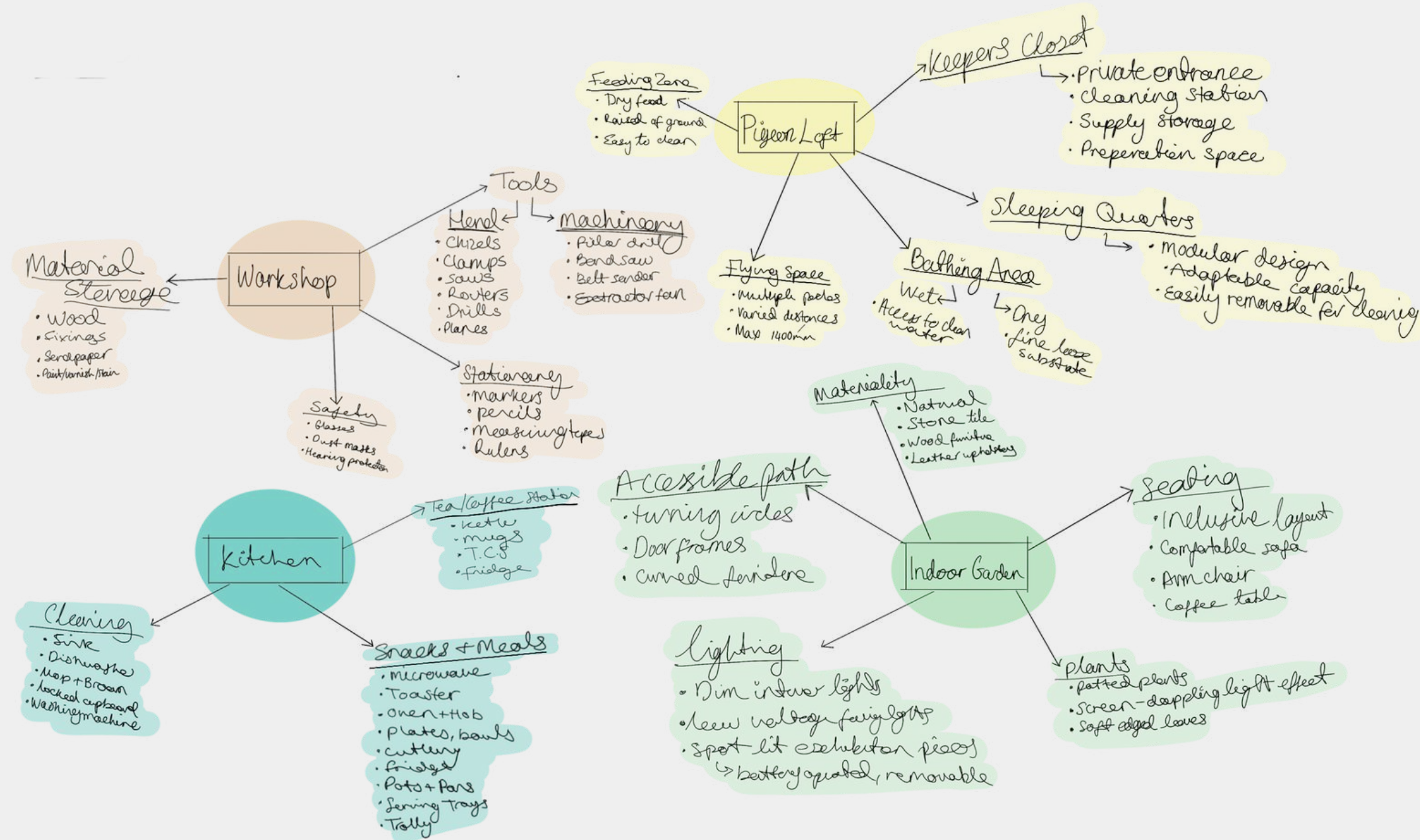
suitable for 1-2 users at a time, this space is meant for self reflection and independent bird watching experiences.

Between 900 and 1600mm

OBSERVATION TOWER

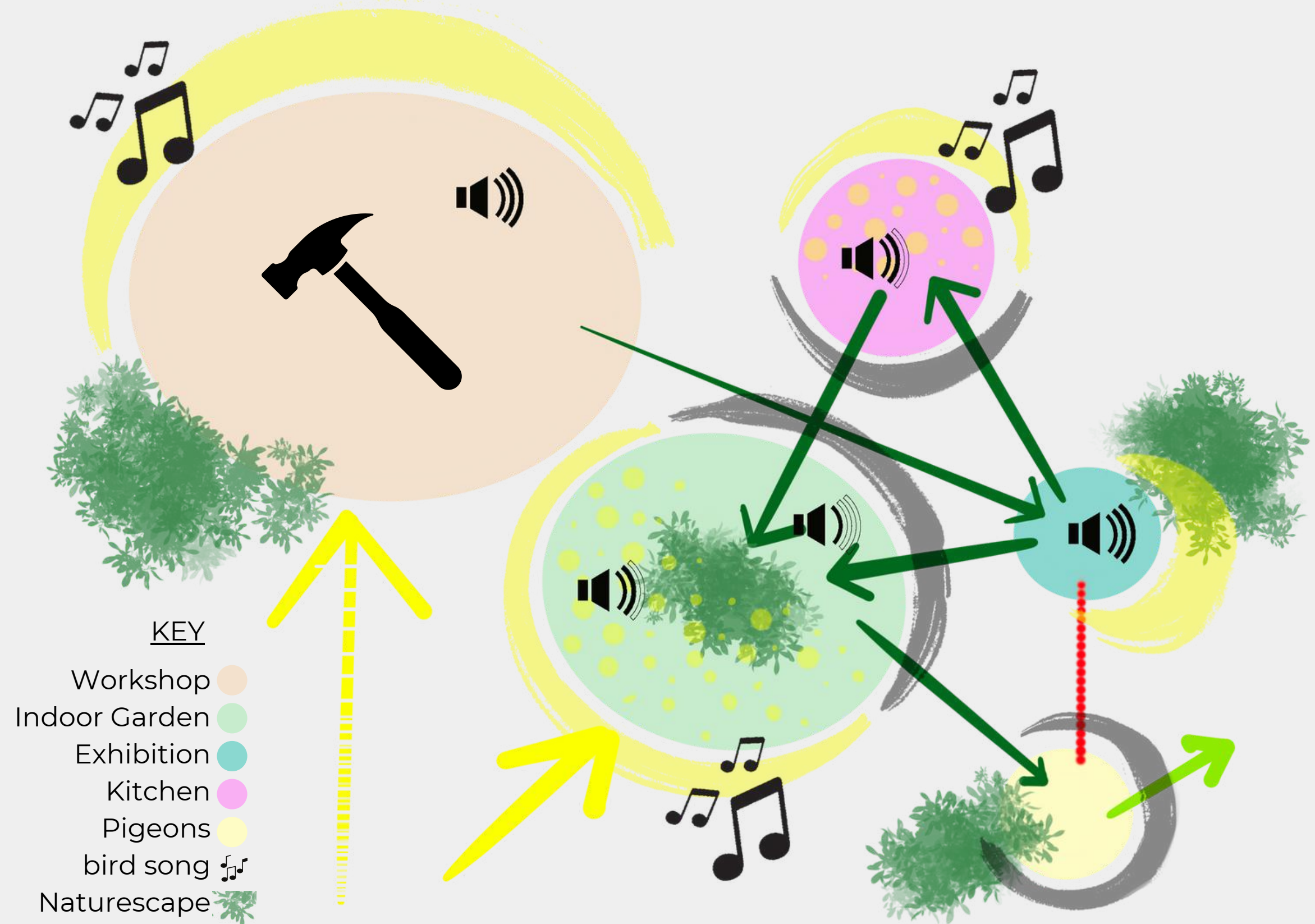
LIFT DIMENSIONS

DECK DIMENSIONS



BUBBLE DIAGRAM

1. The workshop will be accessed by a separate route to prevent the public entering the group space. The workshop needs plenty of natural light to provide good lighting to work in, could benefit from a nice natural view and access to bird sounds.
2. The exhibition space will be a tranquil environment, soft, dappled light, distant bird calls to keep visitors in touch with nature.
3. The indoor garden, needs to be a calming zone, dappled light, plenty of foliage, mostly a quiet space with the room for small discussion.
4. The kitchen, will be busy most of the time with users, staff and guests, wanting refreshments. Due to the heavy use the kitchen will benefit from plenty of natural light and pleasant views.
5. The Pigeons need their own separate route into the building and need to be contained away from visitors to eliminate spreading disease. they have a preference to low lit and dark spaces, so natural lighting will be blocked out.

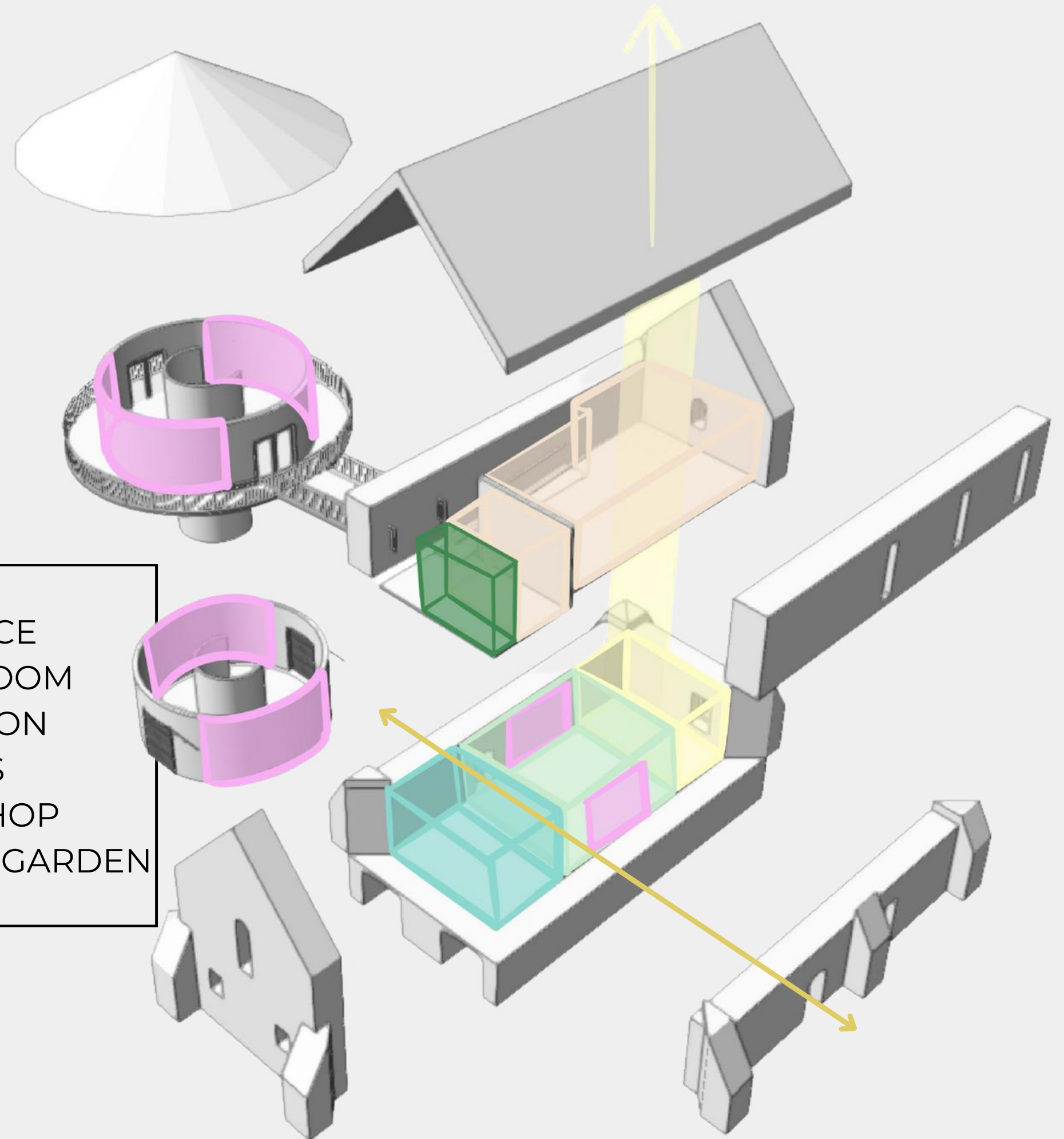


BUBBLE DIAGRAM

Here is a scale bubble diagram illustrating key zones within this conversion; the workshop, staffroom, exhibition space, pigeon keep, indoor garden and kitchen area.

As you can see, the pigeon keep passes through the workshop space and continues vertically eventually exiting through the roof. The vertical transition is intentional as it references a previous alteration to the building, where a skylight one existed in this very section. My aim is to reinstate that feature creating renewed connection to the original architecture while supporting the function of the keep.

The other benefit of this arrangement is that it allows visual access to the pitch and keep from the workshop so those using the area can observe the pigeons as it adds a connection to nature within the working environment.

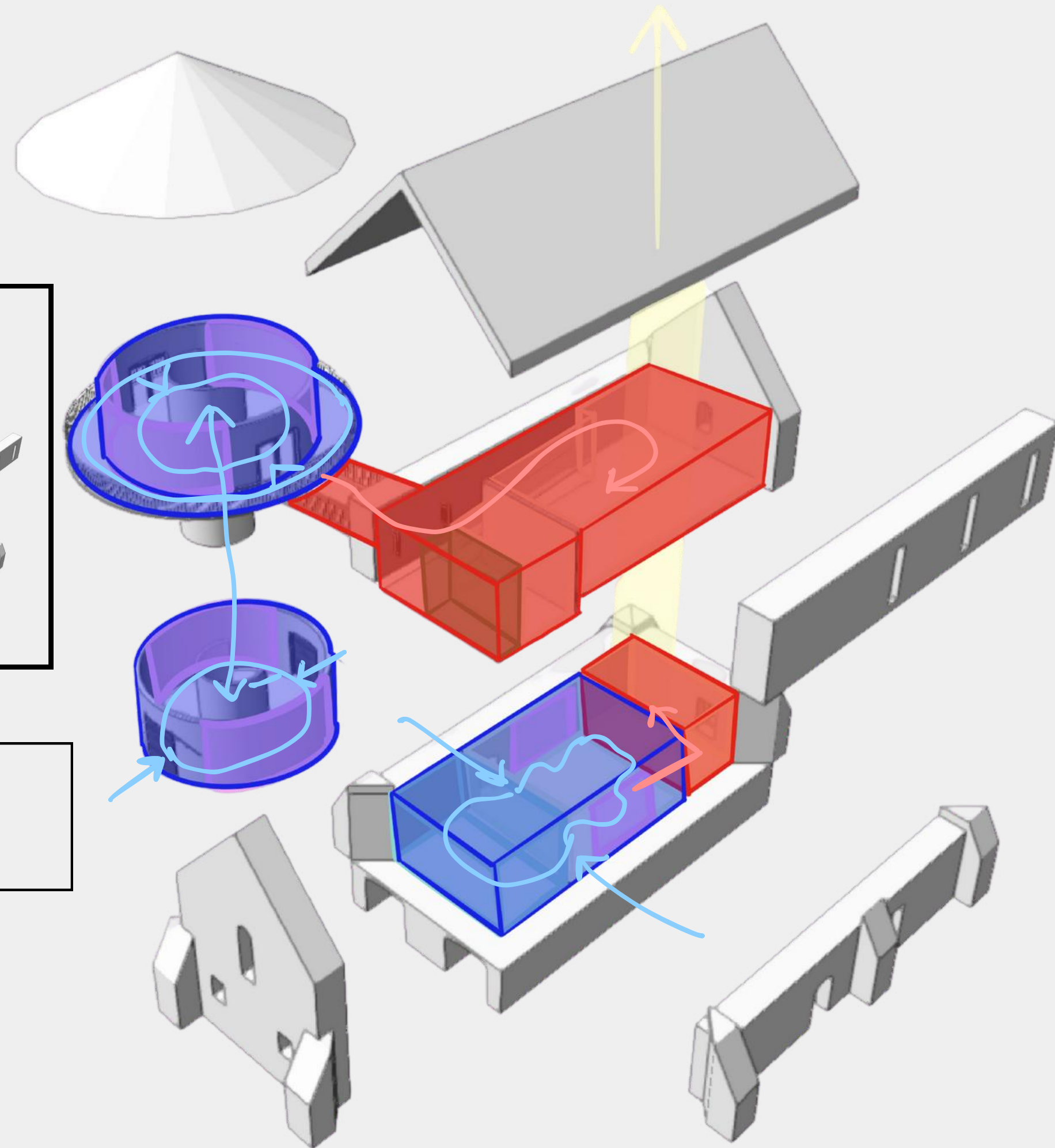
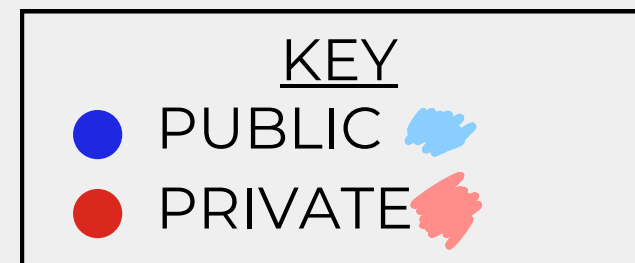
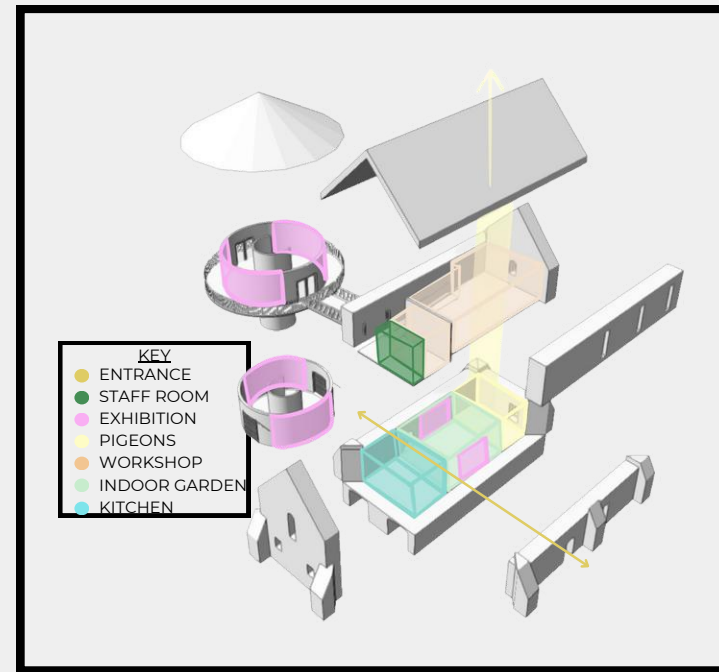


BUBBLE DIAGRAM

The workshop is designed as a separate entity to ensure privacy and create a focused environment reserved exclusively for club members.

to achieve this I've incorporated a gated observation deck which acts as a physical boundary without disturbing the circulation of traffic flow. During exhibition events this gate restricts access to the workshop whilst still inviting guests to explore the surrounding spaces.i.e the garden/ in or around the tower.

Visitors can move seamlessly between the exhibition platform the indoor garden and the kitchen where refreshments will be available. This layout creates a fluid welcoming experience that balances privacy for the makers with meaningful engagement for the public.



INITIAL COLLAGES

Interior biophilic design



Natural materials comfortable seating Indoor plant varieties

Neutral colour pallet Good natural lighting

Exterior of Insertion



Natural materials Rear of building Tree like texture

Blend into background Two-storey build



Circulation bridge Accessibility lift Viewing platform

Dappled light Bark like texture

COLLAGES

Preserving Nature collage

Addition of native plants, flowers and keeping existing planted fruiting trees to encourage local bird life and offer nesting grounds
Encourage user to spend time outside and encourage the health benefits of nature immersion

Keeping the installations hidden to preserve the historical value of the building.

Fruit trees providing a food source to attract local birds

Pigeons Exit from loft



Added shrubbery

Bands taken from HomeForest

Planting along the bank

Banding represents bird song

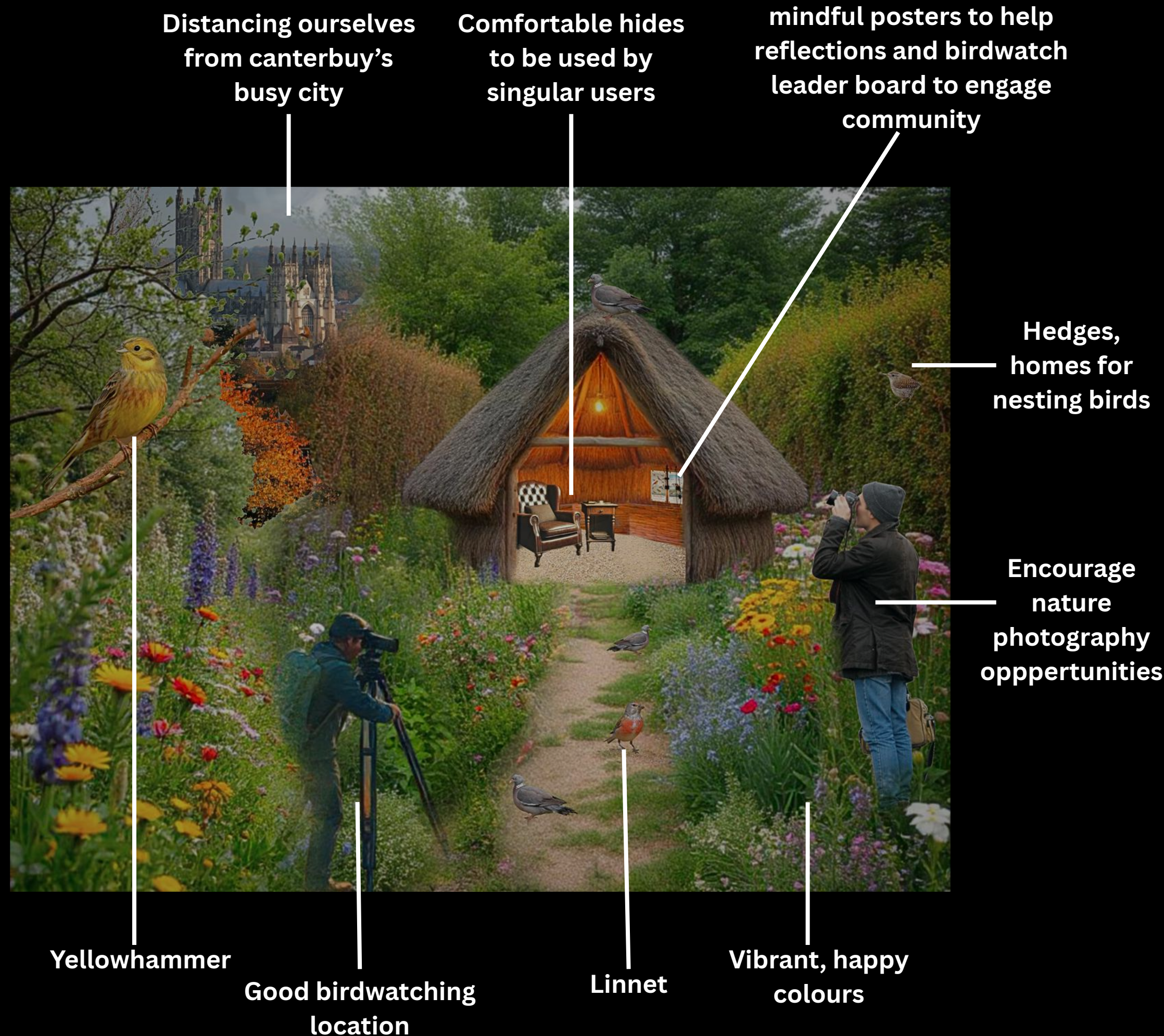
COLLAGES

Self reflection hides

Thatched straw was intentionally selected to create a insulated building which will naturally weather and create a seamless green hue throughout the garden.

The huts are located at the end of closed ended paths, to minimise disturbance during use.

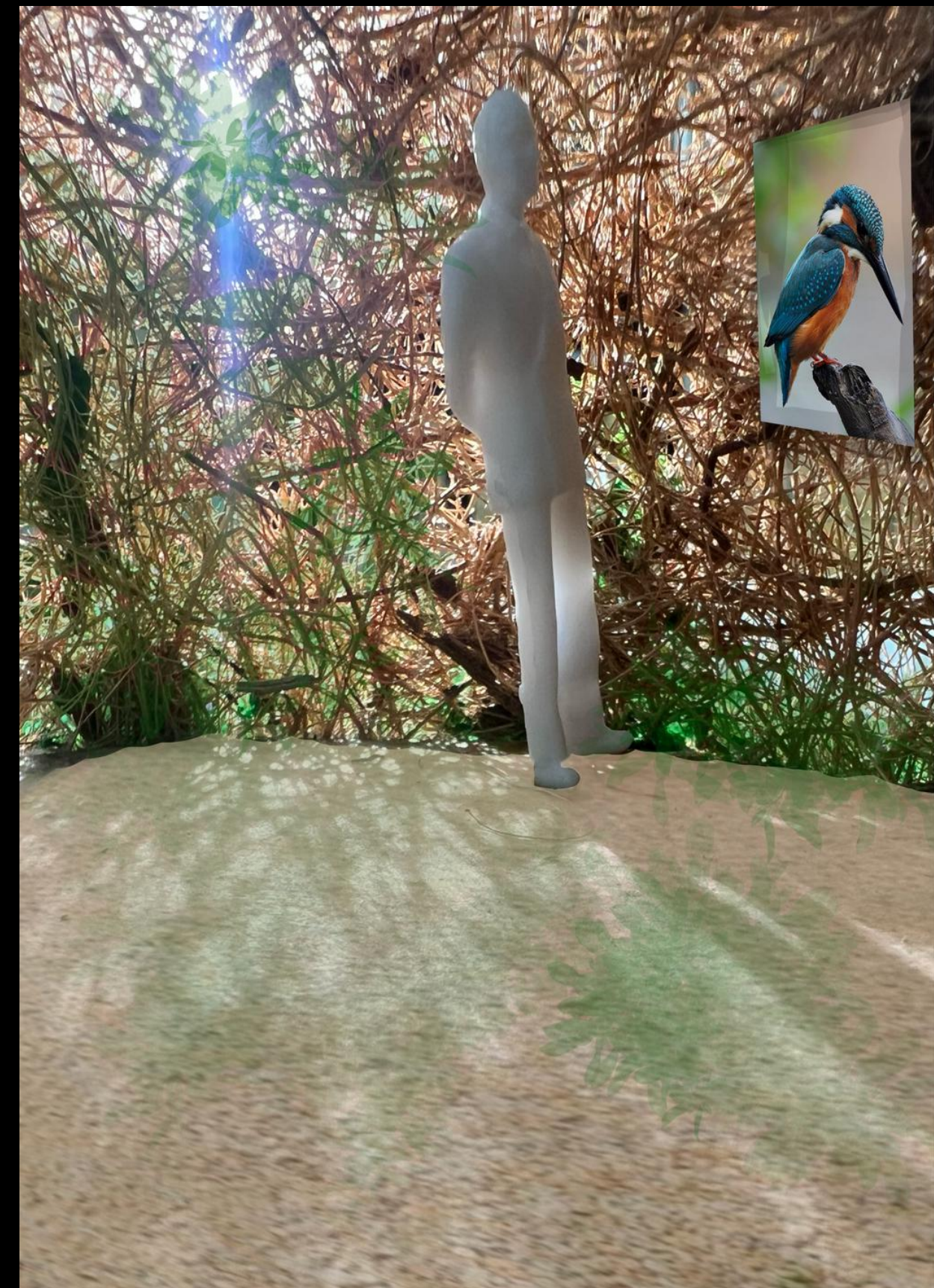
Interior decor has been kept minimal to prevent distractions from reflecting. However does consist of a comfortable chair, writing surface, hanging binoculars and a couple of birdgroup posters.



COLLAGES

Observation tower/gallery

The design features open clear walkways to ensure full accessibility and ease of movement throughout the space. The proposed intervention is made through an existing old opening at the rear of the building. As the sunsets in the evening, dappled light filters in softening the space creating a calm atmospheric quality. Wall surfaces are repurposed as exhibition space making room for the displays without adding clutter whilst nature is left overgrow intentionally allowing plants to soften the architecture and enhance the Biophilic feel of the environment.



COLLAGES CONTAINING PHYSICAL
MODEL AND DIGITAL EDITS



Canterbury
Cathedral

periscope

Hambrook
marsh

Bird
watching

COLLAGES

Pigeon loft

The pigeon loft combines user involvement with biophilic design, creating a natural indoor naturescape as an extension of the main indoor garden room, complete with a tree like spiral staircase that allows the birds to exit and enter directly via the roof.

Group members will have private access to the loft to provide maintenance and training while a glass viewing window will keep the birds separate from the exhibition space.

Indoor
naturescape

Seating

Invite
friends and
family



spacious

Keeping
pigeons



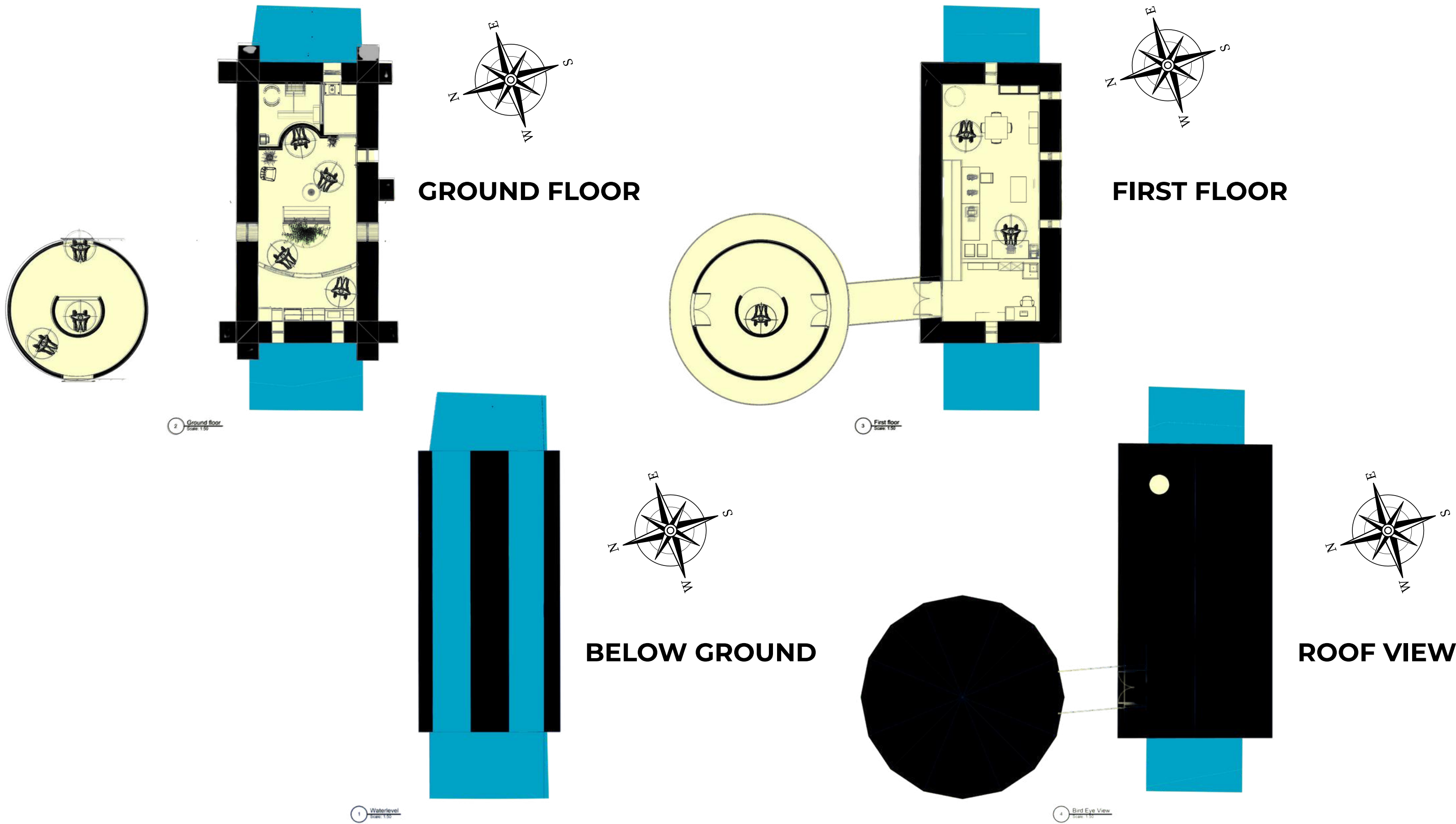
COLLAGES

Indoor garden

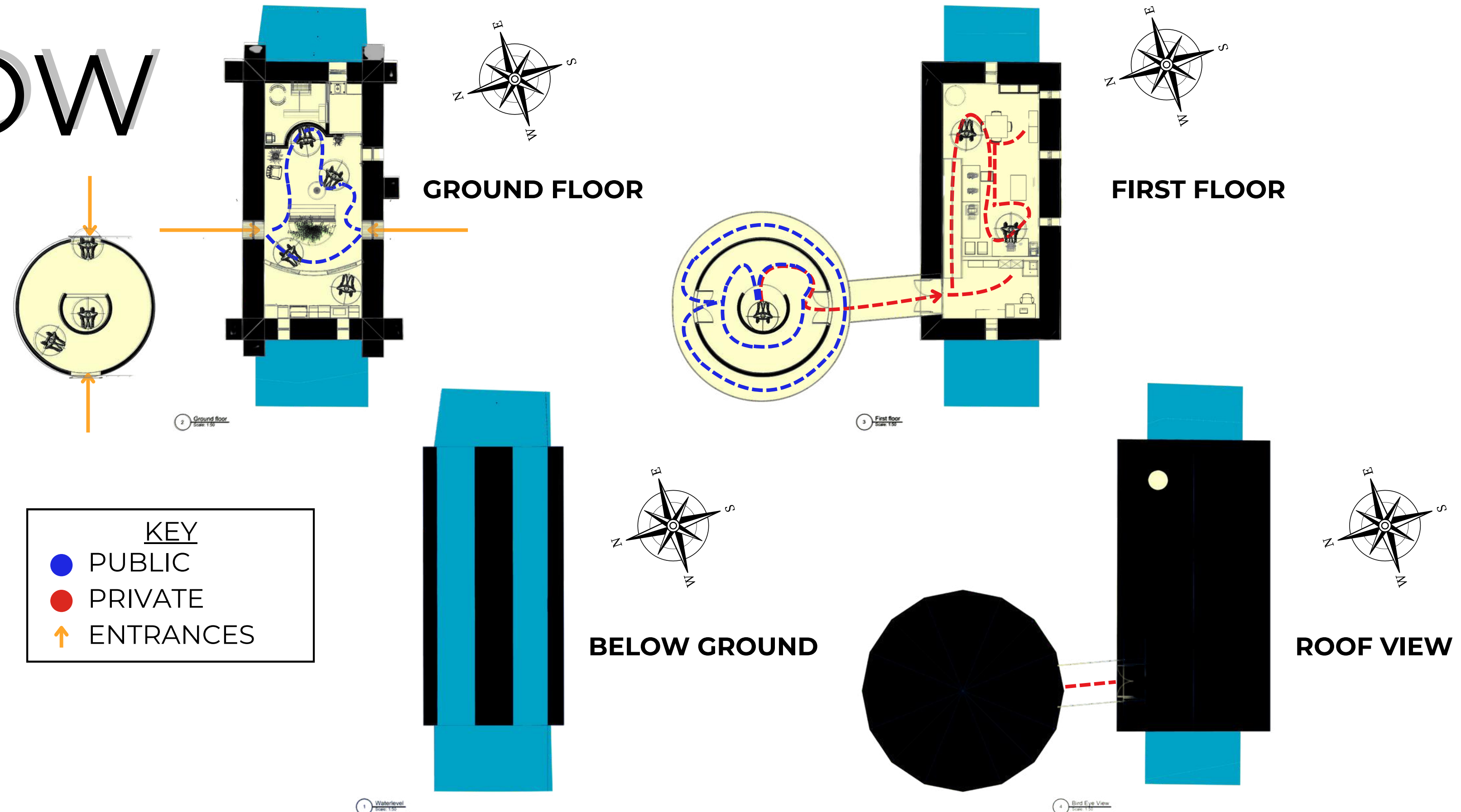
The indoor garden offers an indoor, outdoor experience through each use of Biophilic materials. Guest can unwind in comfy, relaxing seating while immersed in flourishing plants and greenery. Overtime moss covered cobblestone will enhance the natural atmosphere reinforcing the feeling of being outdoors. Footage plays a key role in this design not only as a tall to guide movement throughout the space but also as a visual and subtle acoustic barrier preserving the gardens calming presence.



FLOORPLANS



TRAFFIC FLOW

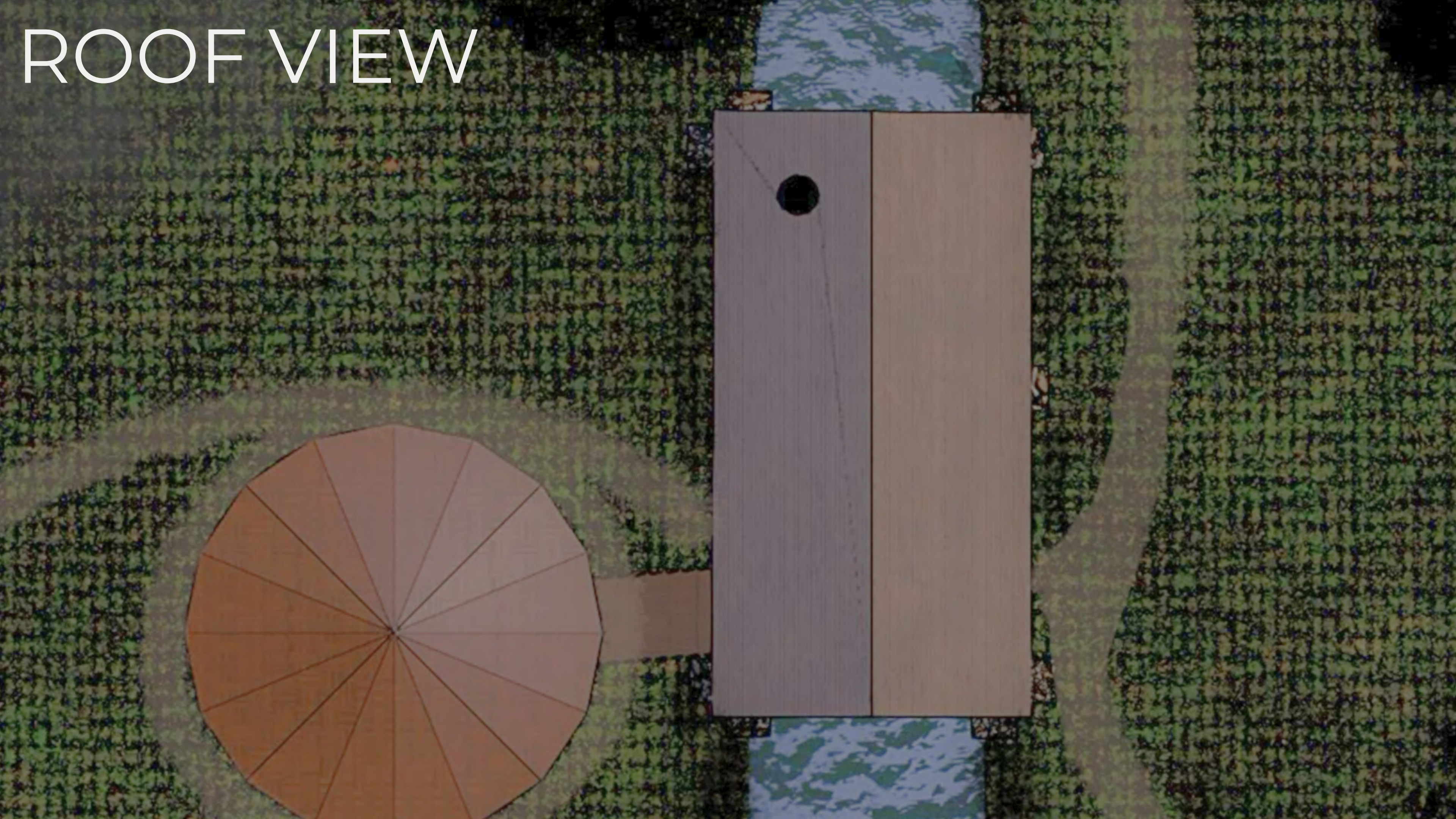


GROUND FLOOR



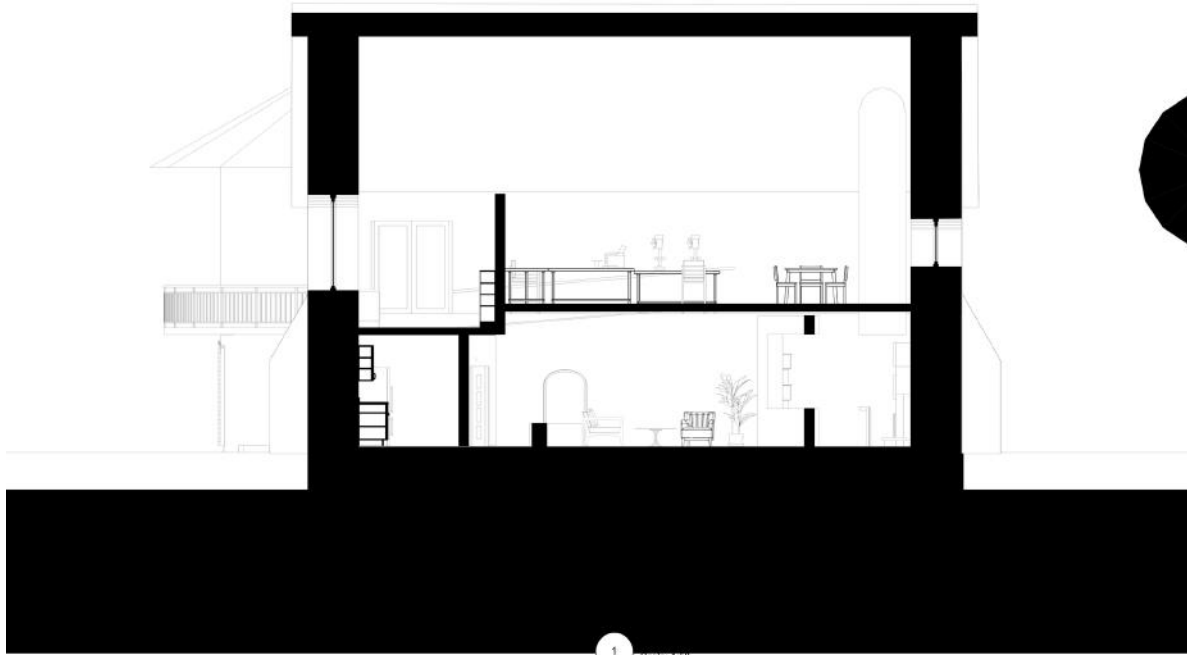


FIRST FLOOR

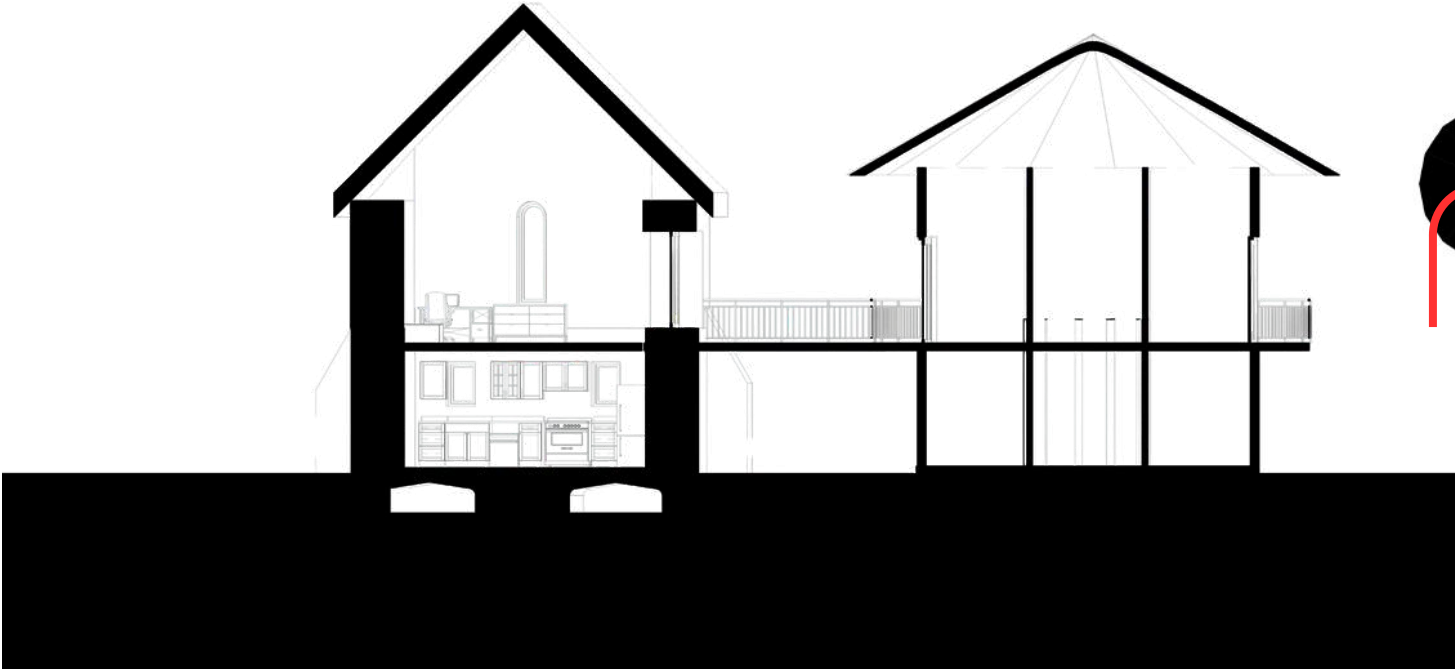


ROOF VIEW

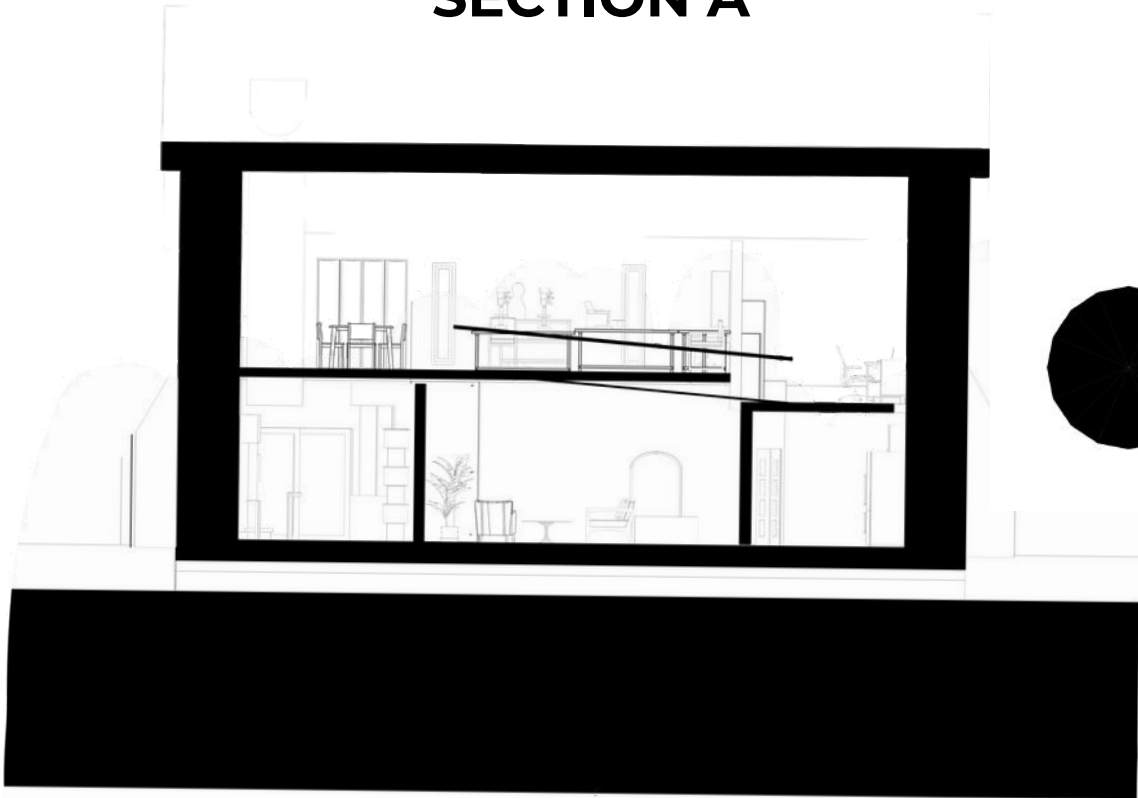
SECTIONS



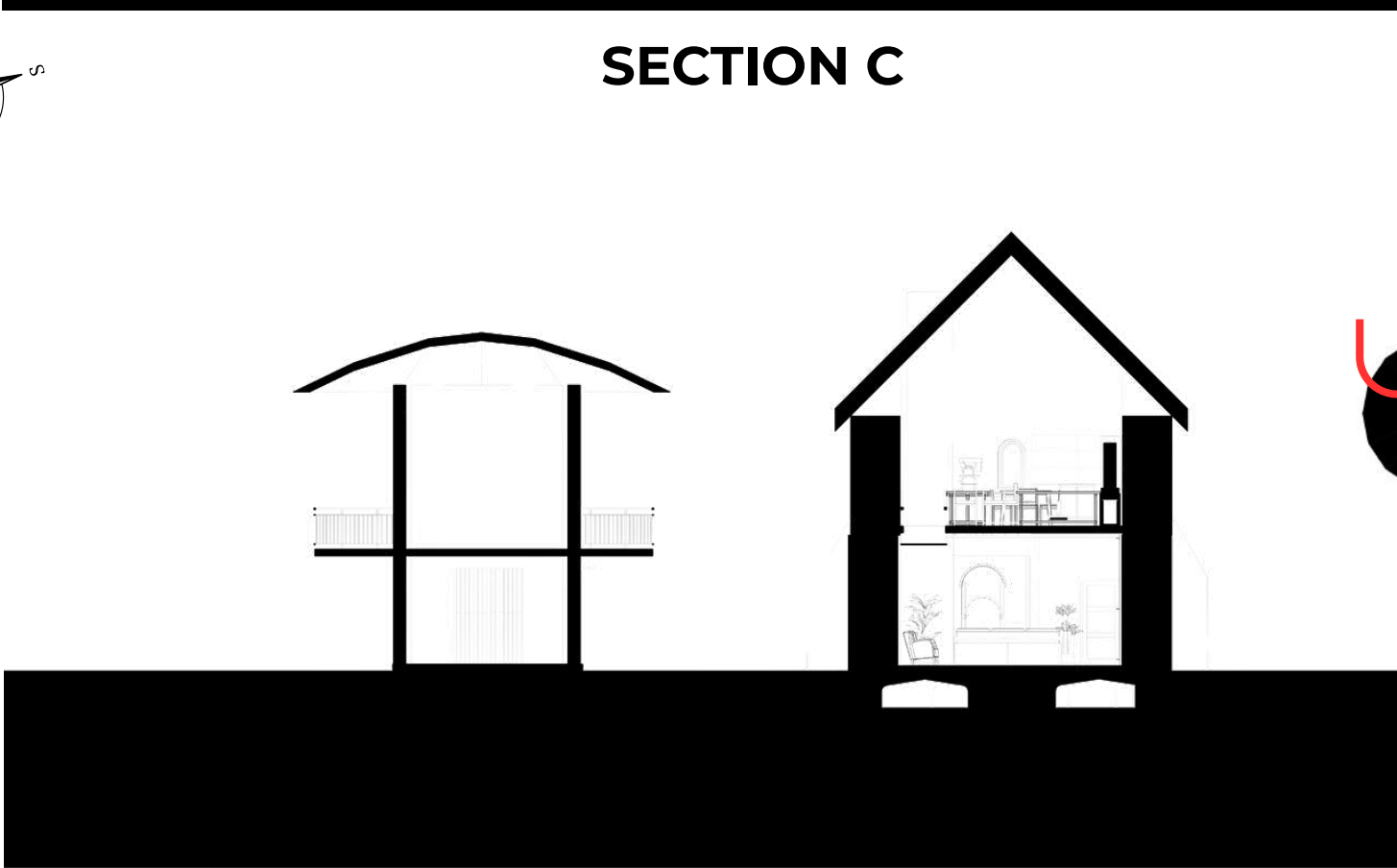
SECTION A



SECTION C

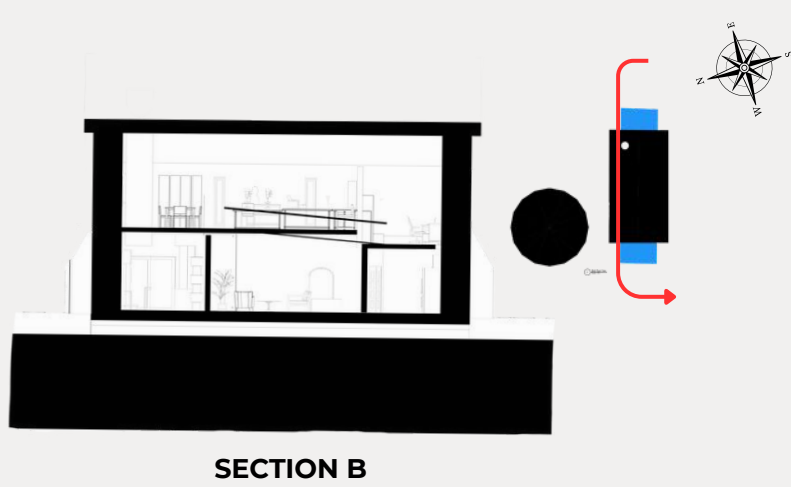
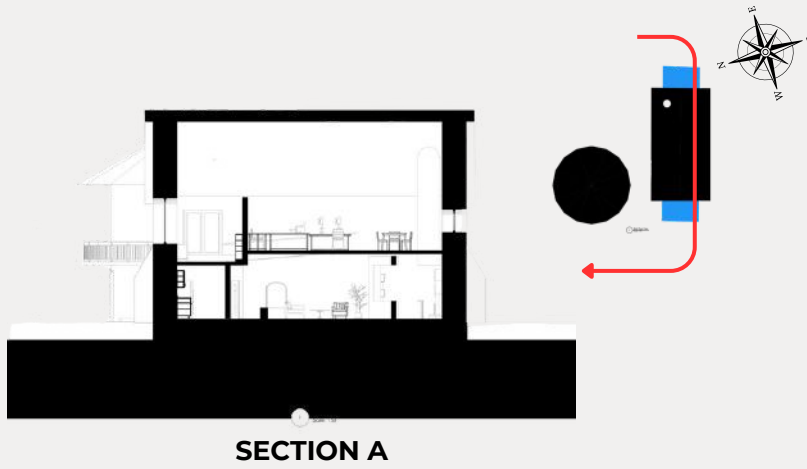
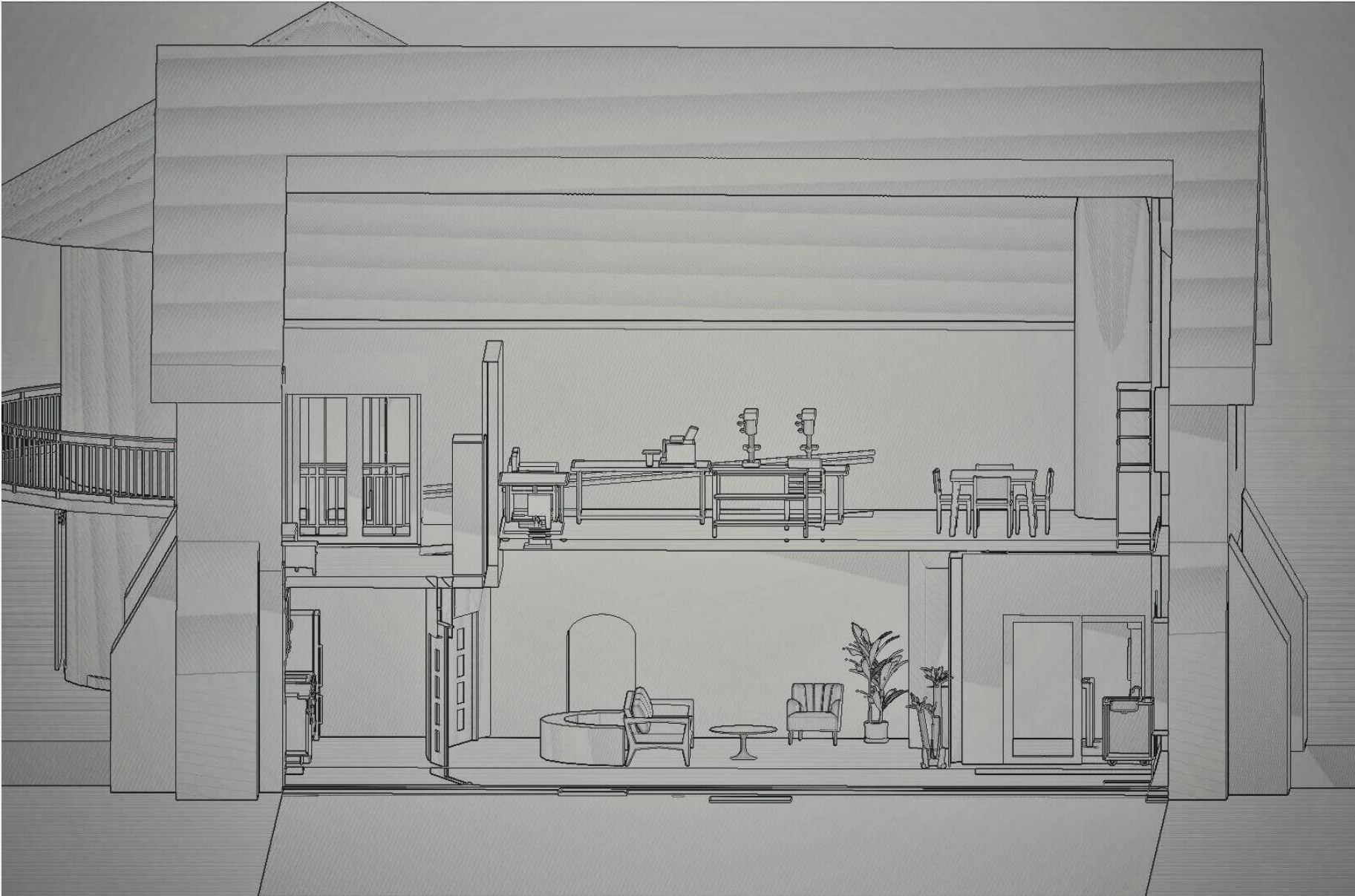


SECTION B

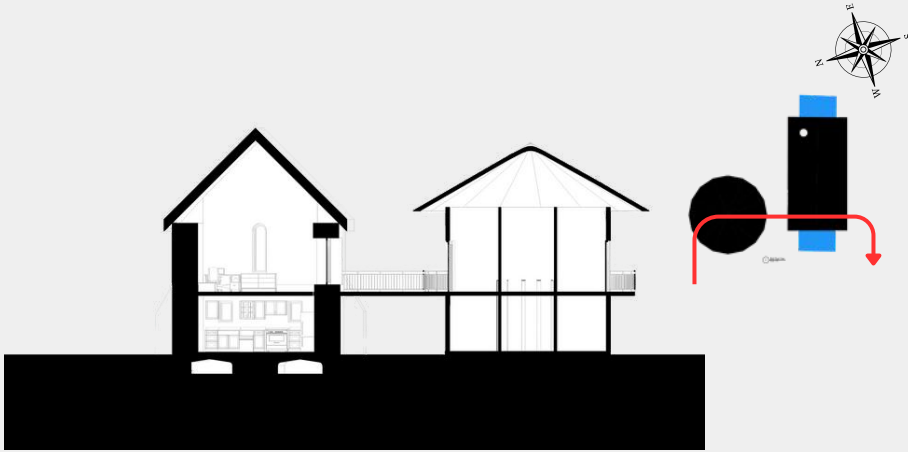
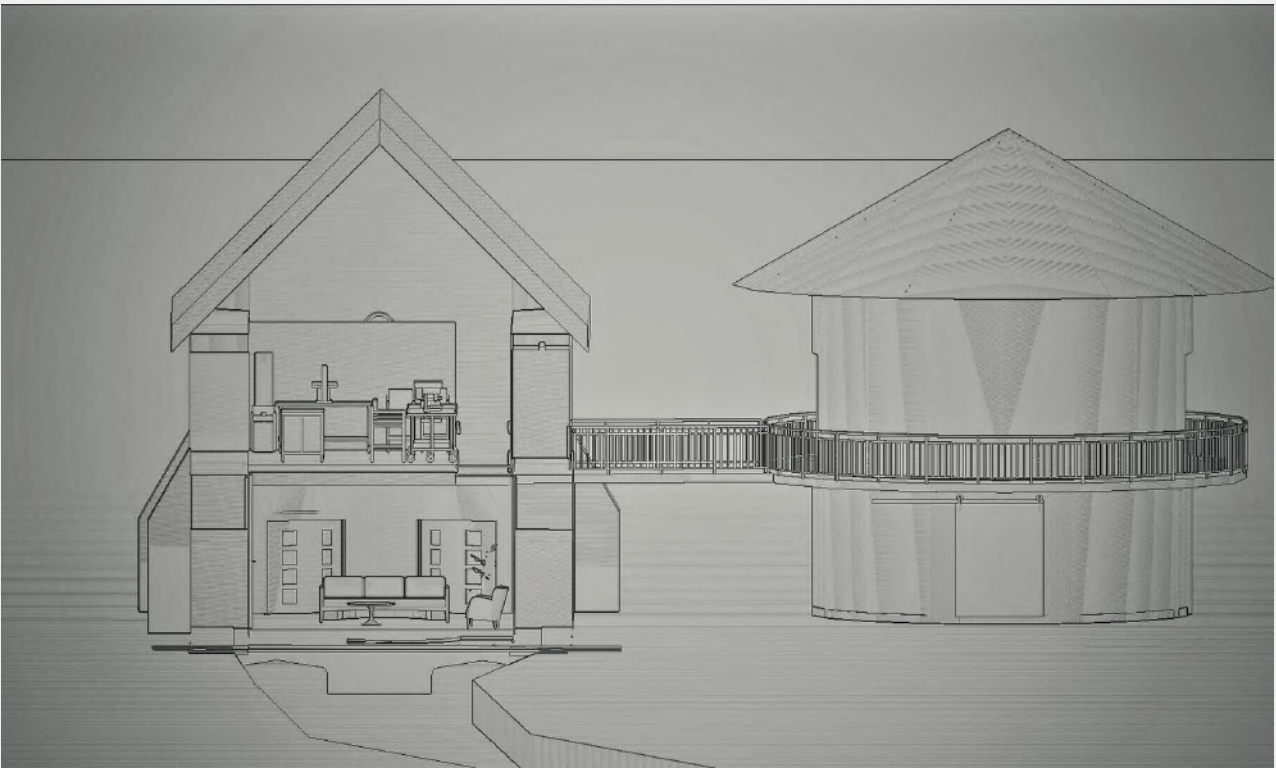
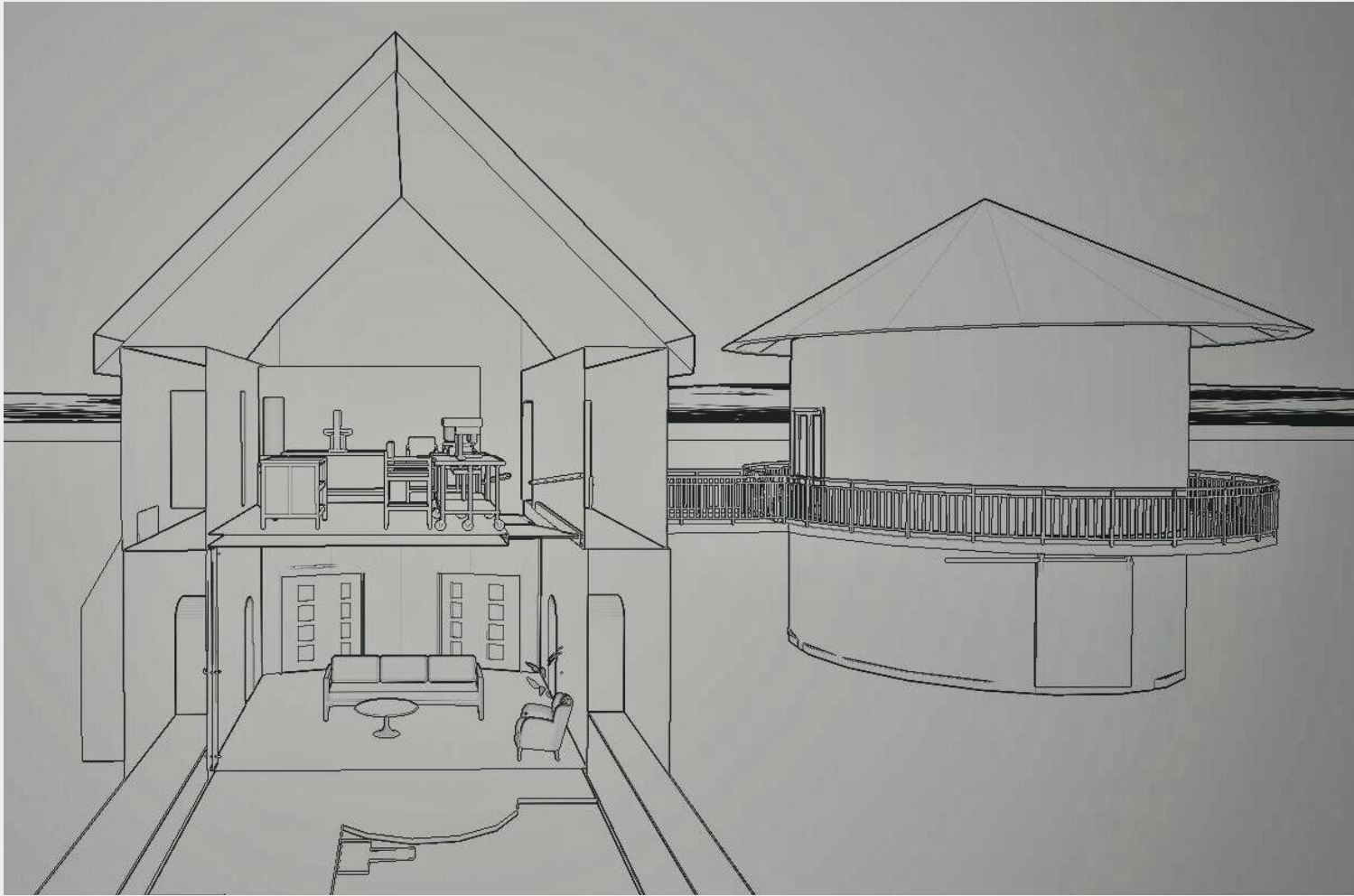


SECTION D

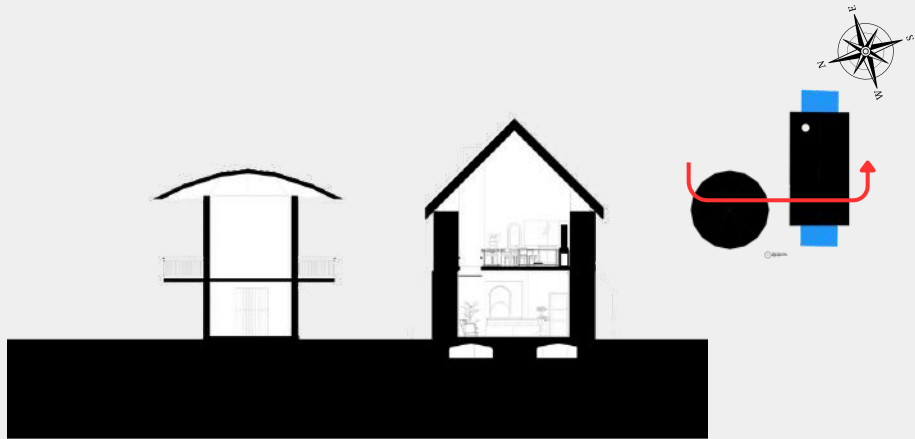
SECTIONS



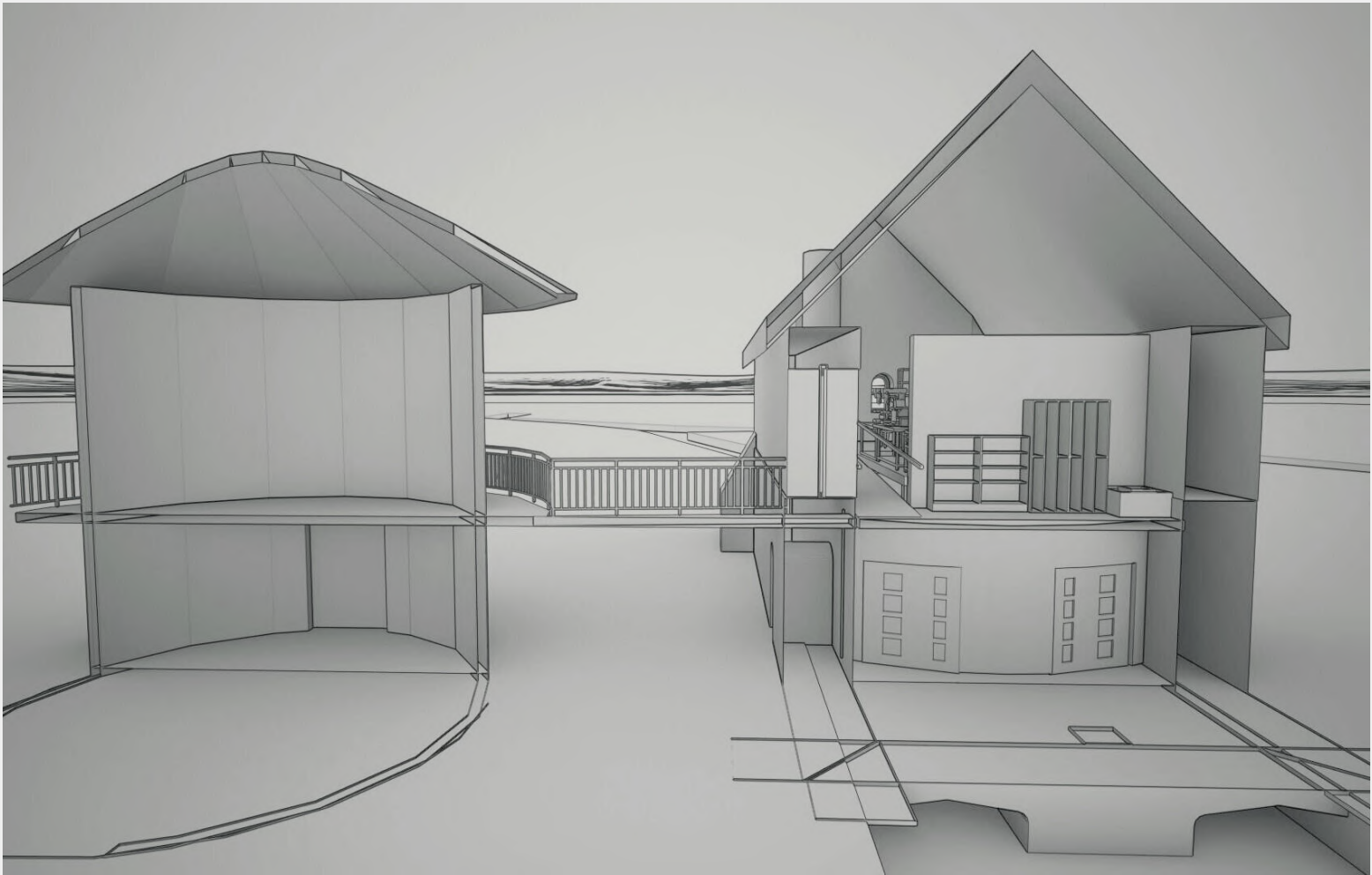
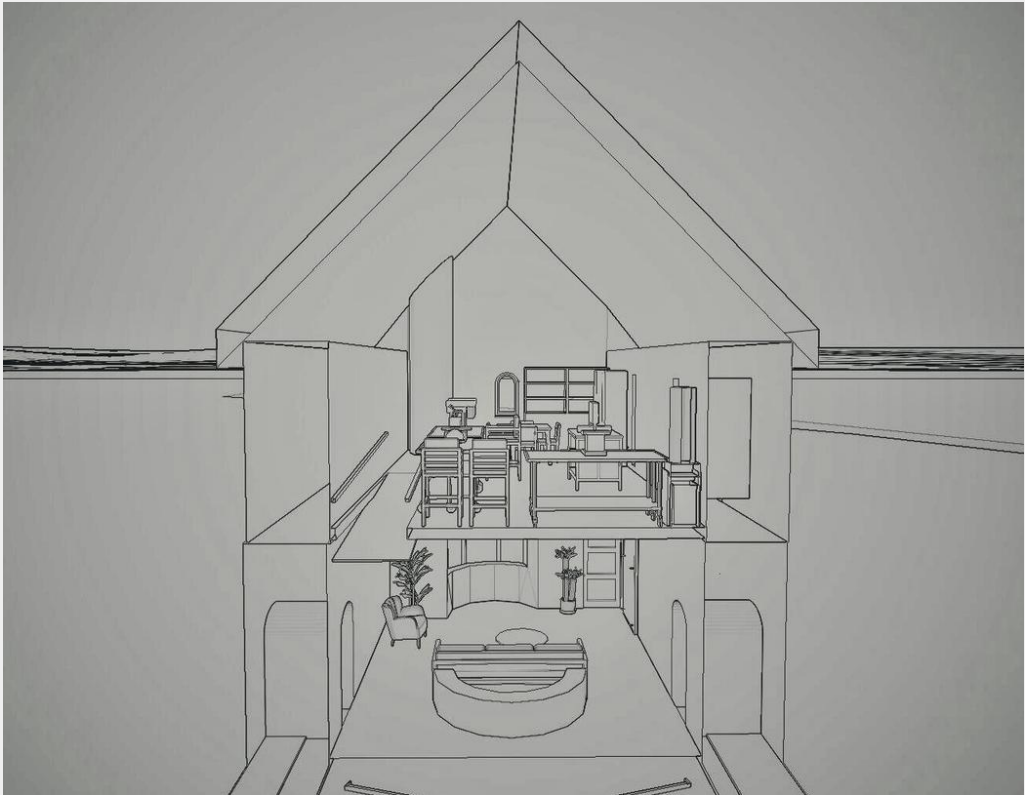
SECTIONS



SECTION C

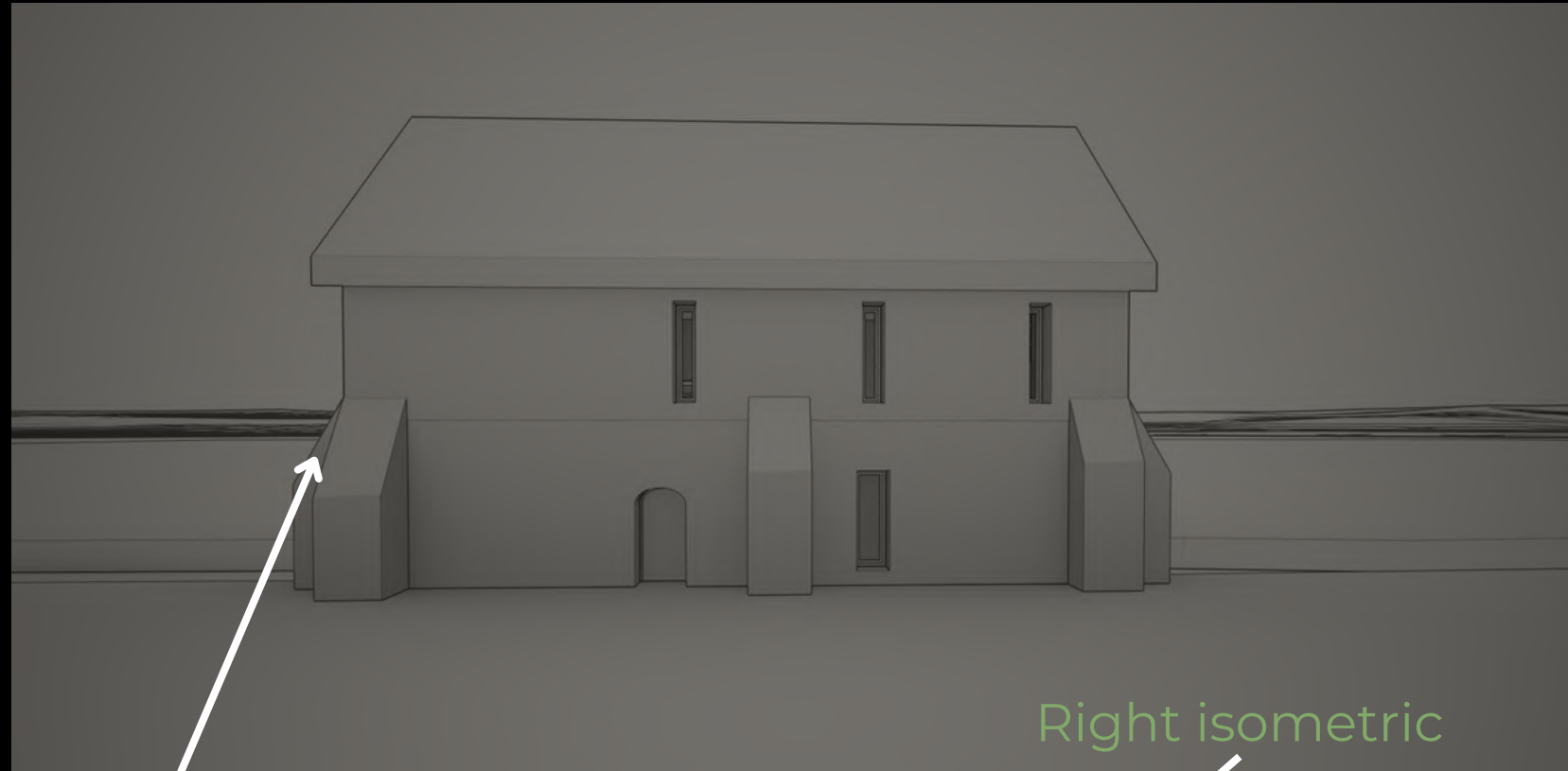


SECTION D



VISUALISATION

Exterior



Right isometric



Front view



Left side view

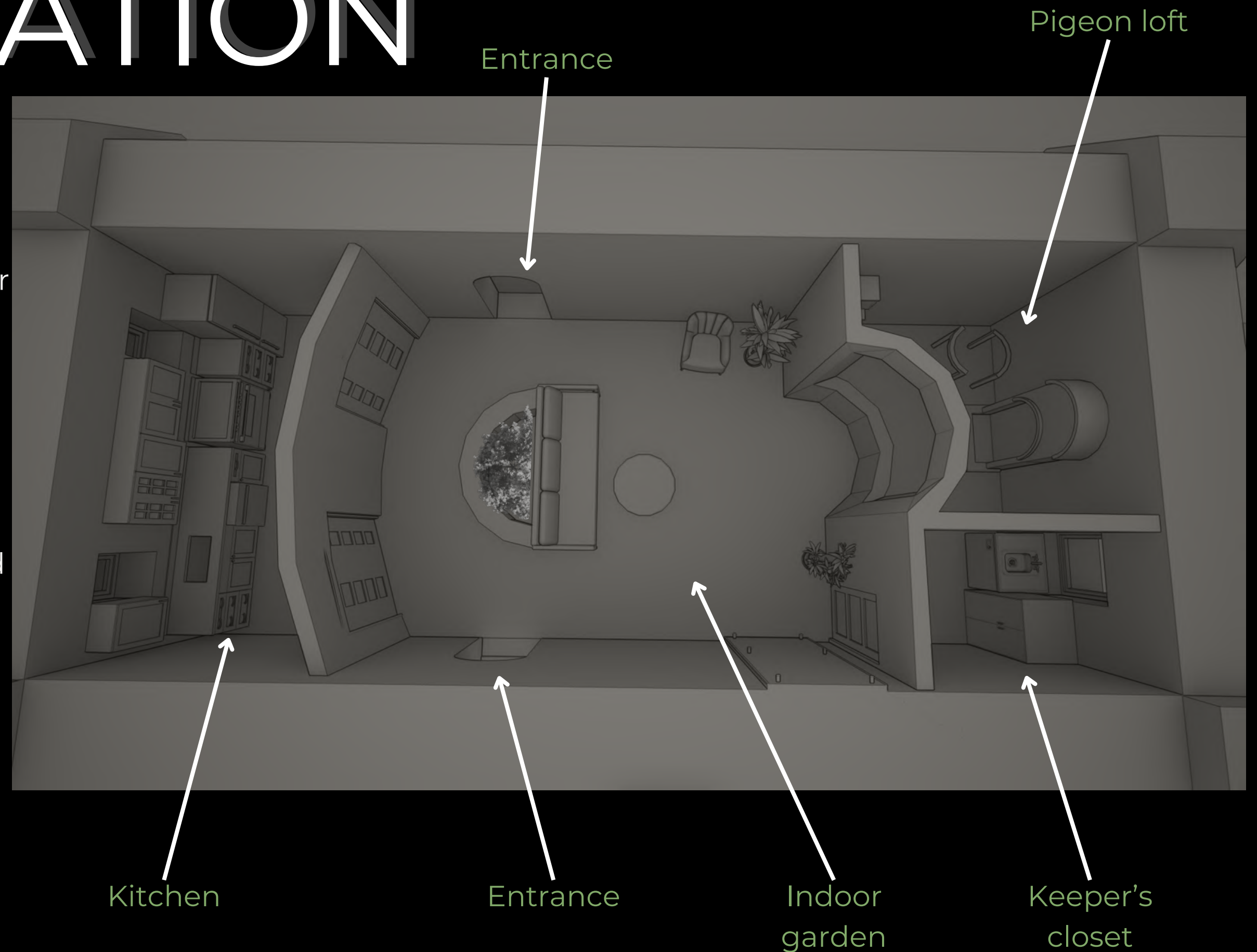
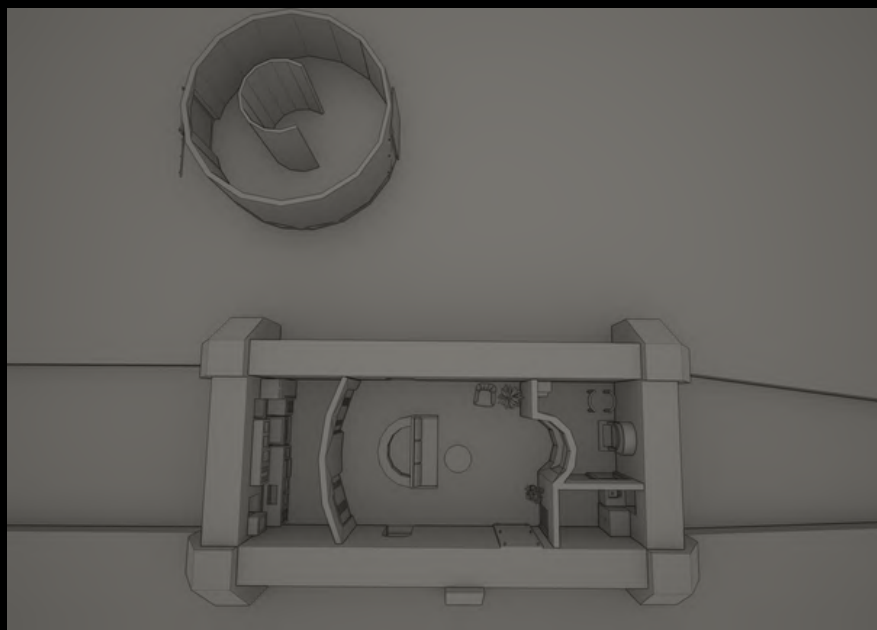
In honour of the buildings, original architecture I will preserve its historical character by maintaining the existing facade. All modification and alterations to the design will be discreetly located at the rear of the structure ensuring that the buildings exterior appearance remains true to its original form. From face on, the building will appear untouched, preserved. Whilst the new additions will incorporate similar curved forms taking inspiration from the strong arched entrances of the main building to create a cohesive dialogue between the original structure and contemporary enhancements while preserving the integrity of the building's exterior.

VISUALISATION

Ground floor

The ground floor layout features two entrances; one at the front to maintain the original access had a new rear entrance added for accessibility. Together they create a natural flow through the space which is expected to experience traffic. Place along the main circulation route are curved walls and occurred flower bed containing tall foliage to not only act as a calming visual centrepiece but also offer a buffer reducing noise and creating a more immersive experience within the garden.

lift inside observation tower



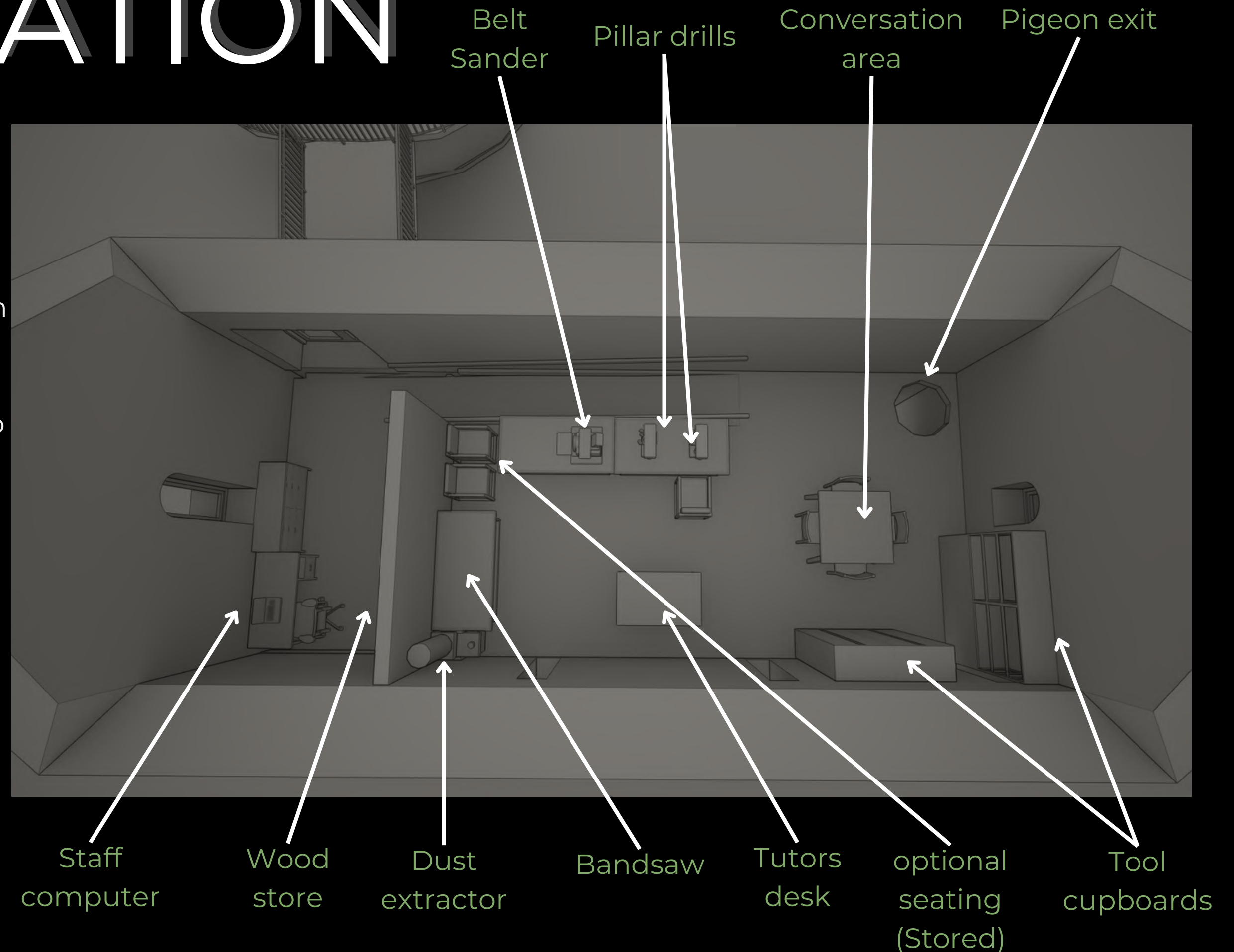
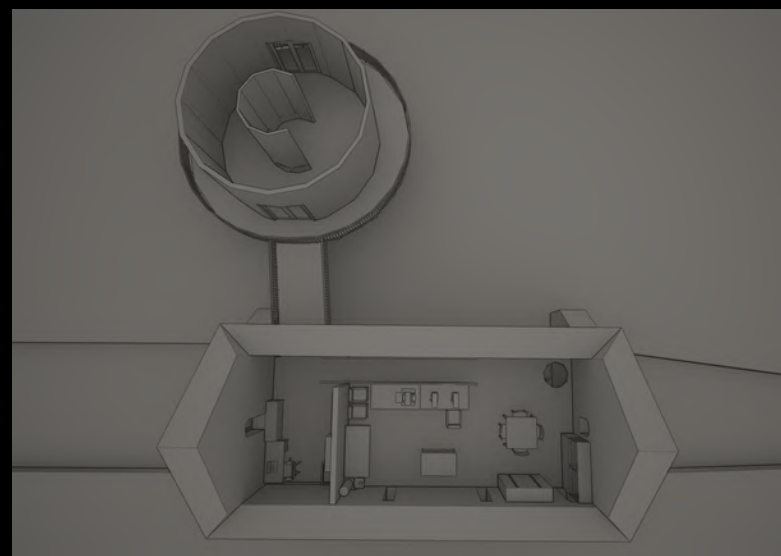
VISUALISATION

First floor

The workshop is laid out for optimal flow comfort and safety. noise mitigation has been addressed by positioning all heavy machinery away from the integrated pigeon loft whilst utilizing the conversation area and tool cupboards as an acoustic buffer zone.

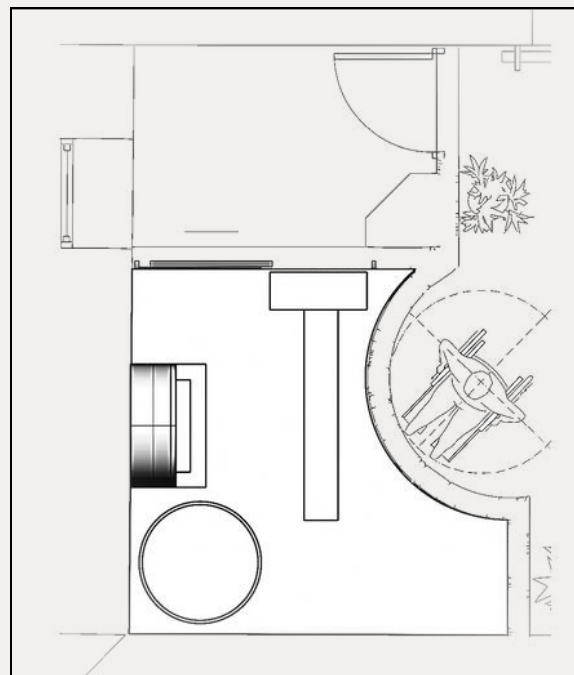
Furniture placement has been arranged to ensure optimal access to natural daylight reaches working zones, while generously cleared pathways ensure safe efficient movement between workstations and full wheelchair accessibility

Access via bridge

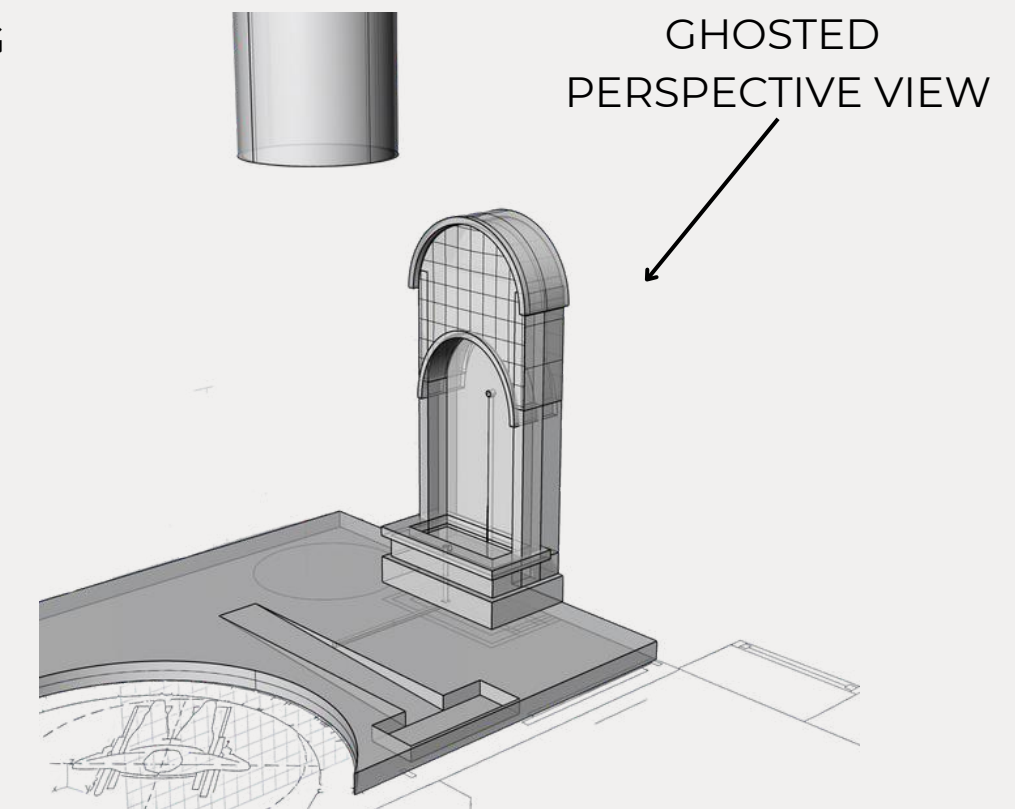
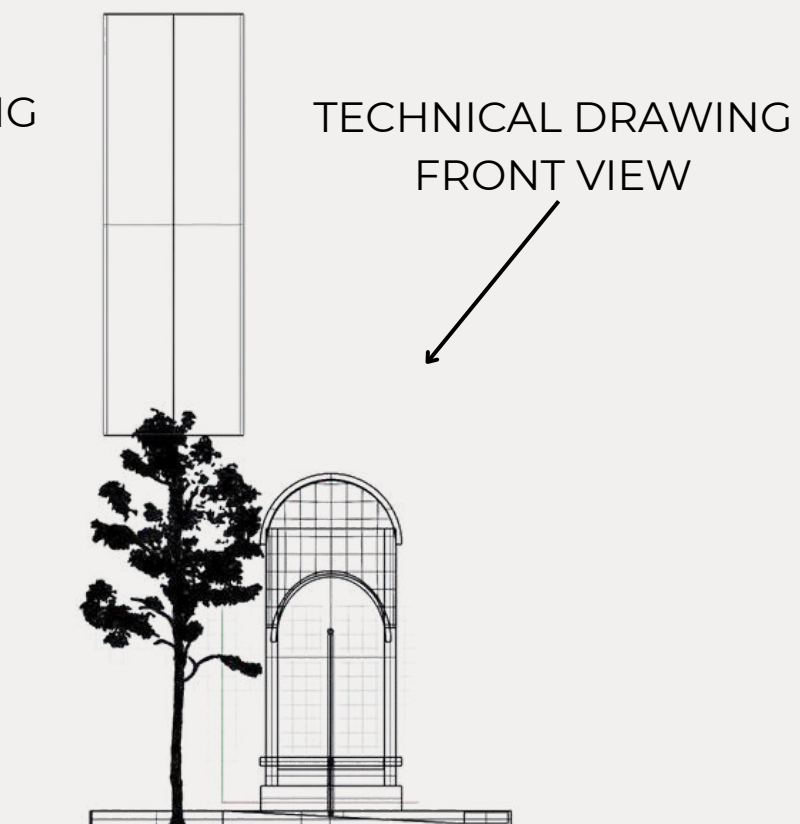
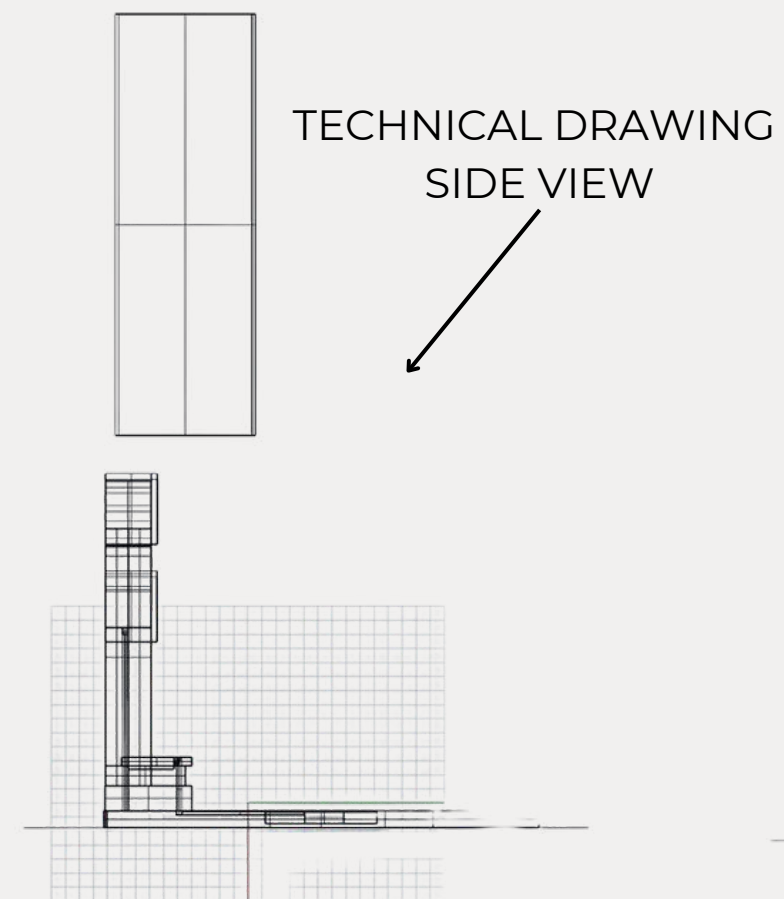
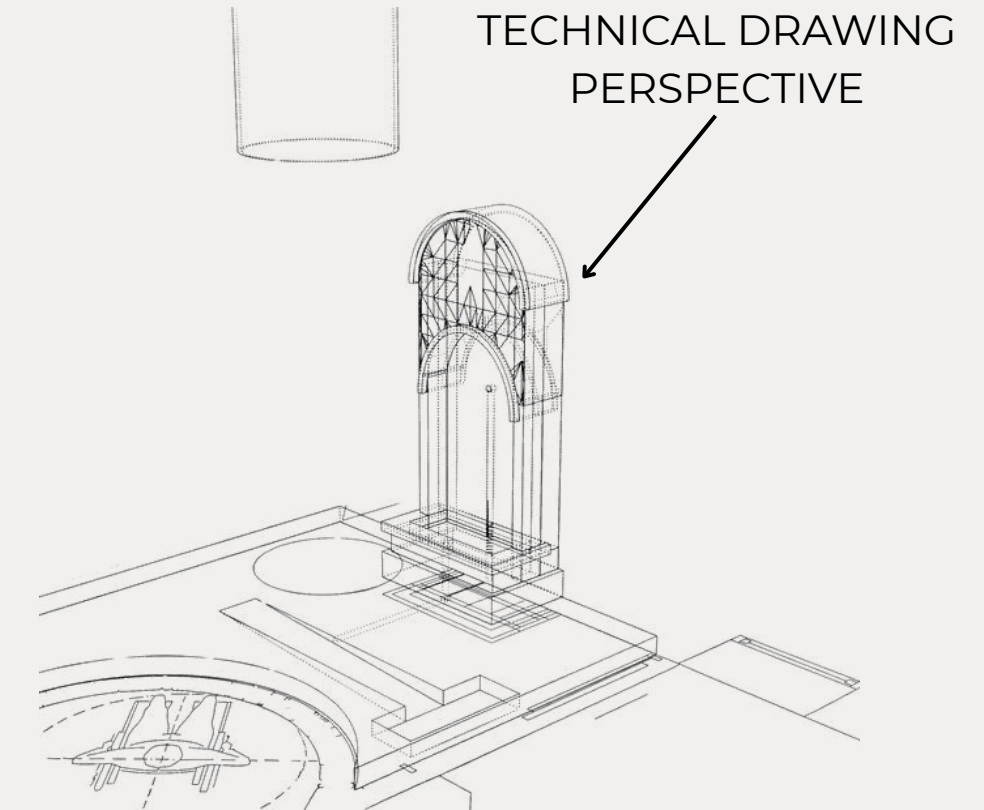
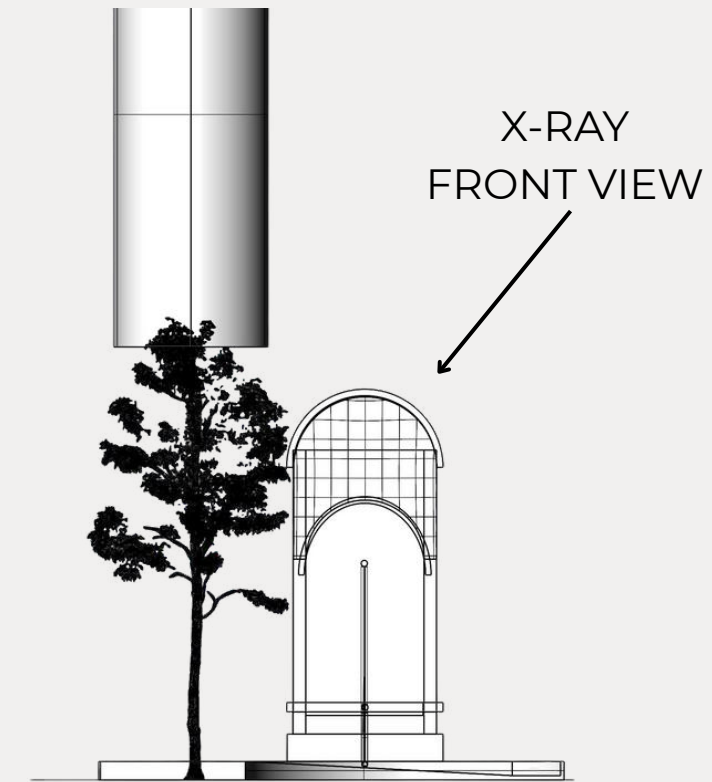
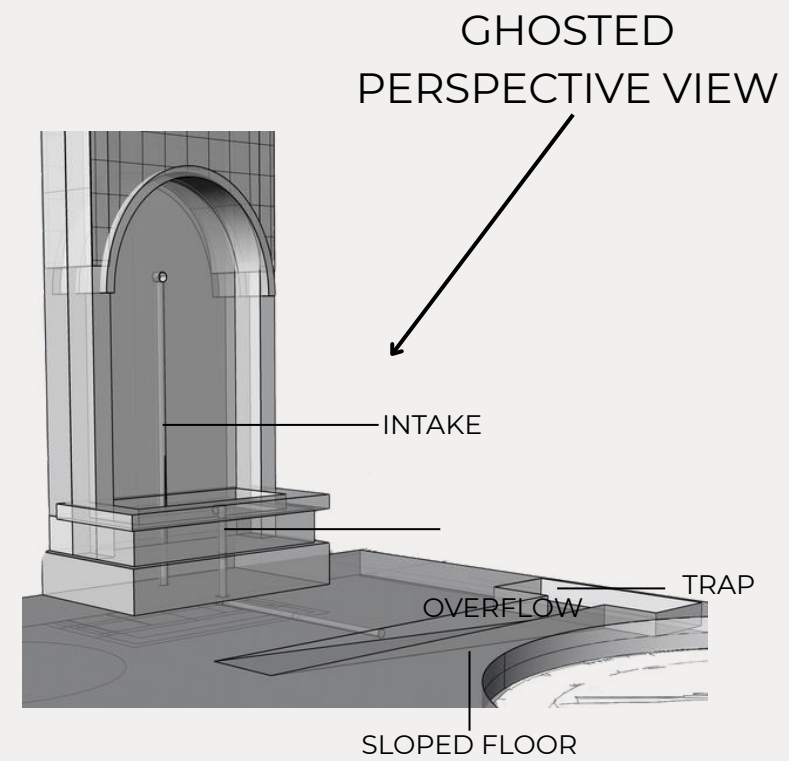


MODEL

Here are some renderers and technical drawings of a fountain I've designed specifically for the pigeon loft, where cleanliness is a top priority. The implement sustainable design as the system draws in water from the river which it filters before distributing into the pigeons enclosure. An overflow pipe redirects excess water to a sloped drain which is covered by a mesh grate to keep out debris. Close to the sliding door is a trap which can be maintained from the keepers closet whilst all remaining water is collected filtered and safely returned to the river.

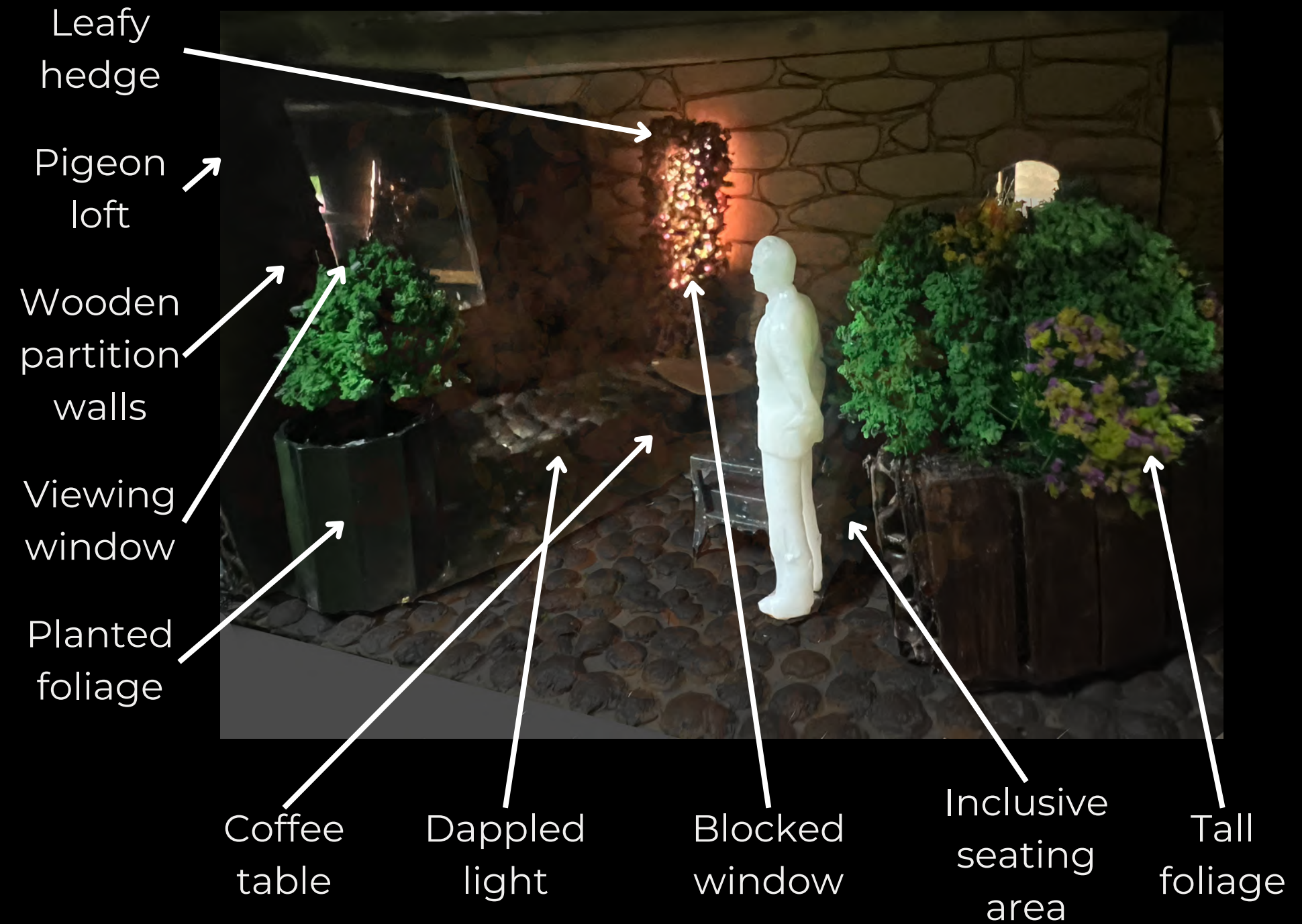


Maintenance of the loft



MODEL

Indoor garden scale 1:50

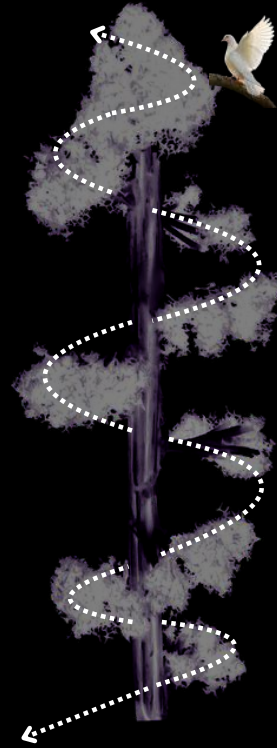


The indoor garden offers a tranquil space for users to reflect and enjoy the benefits of nature immersion. Soft dappled light fills the room created by purposefully covering the windows with foliage. The cobblestone flooring here is the outdoor floor whilst the overall low lighting creates a calm soothing atmosphere that supports the nesting needs of the pigeons. The stone walls are fitted with removable picture frame frames and adjustable spot lighting allowing the space to transform easily for exhibitions without disturbing its peaceful character.

MODEL

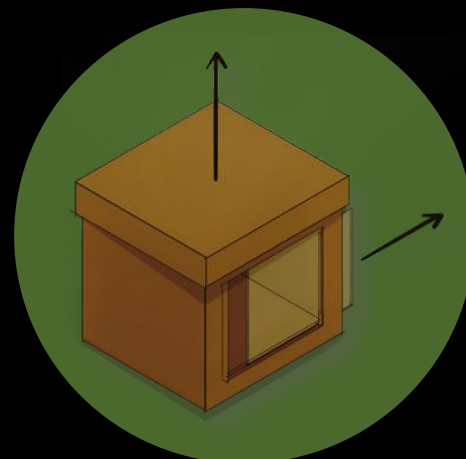


Pigeon spiral staircase scale 1:20



The tree like sculpture will allow multiple birds to navigate up and down the roof exit.

Modular nesting boxes scale 1:5



Pigeon exit

Pigeon staircase

Sliding door

Greywater bird Fountain

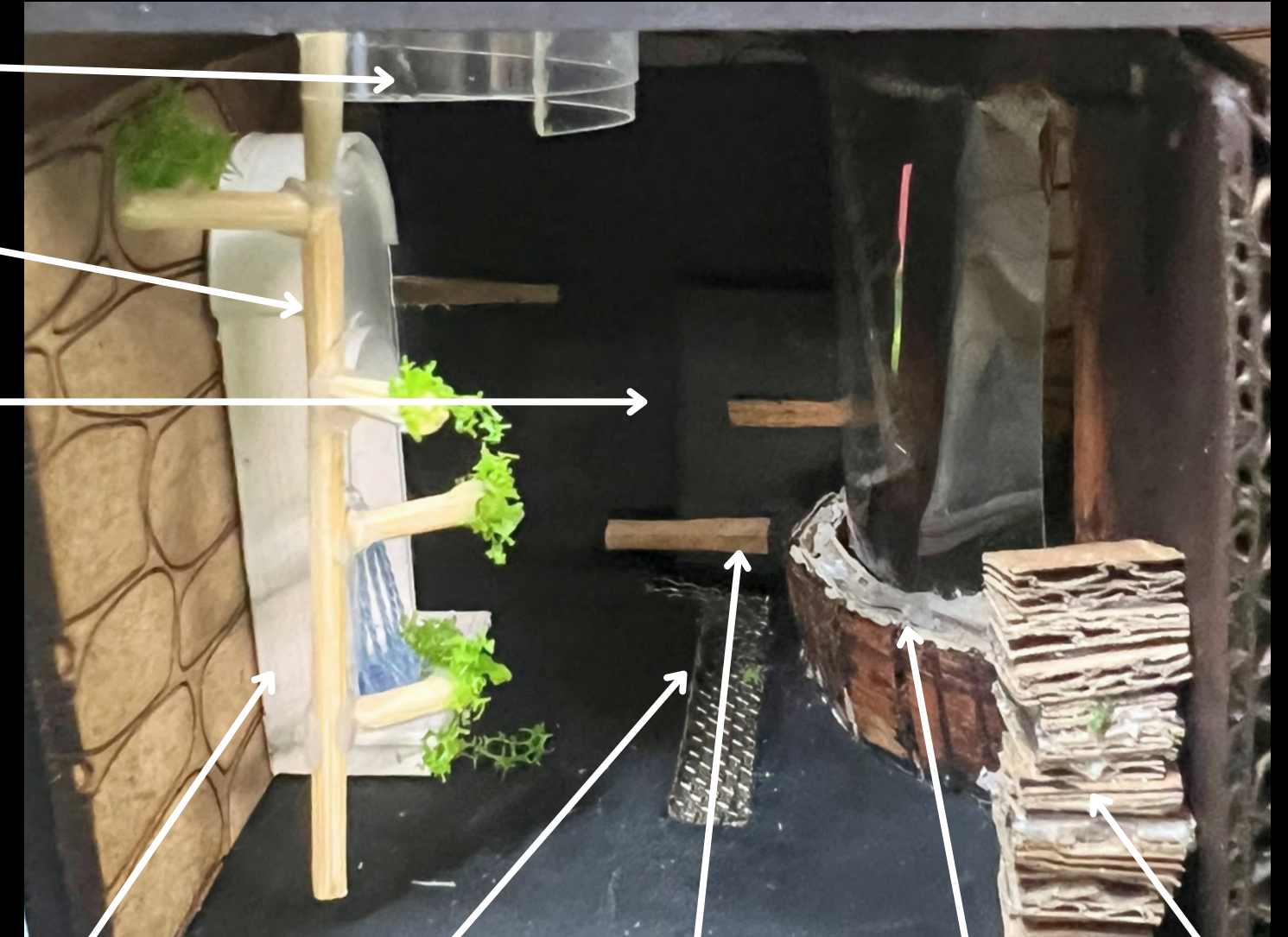
Sloped grate floor

Perches

Feeding shelf

Bird boxes

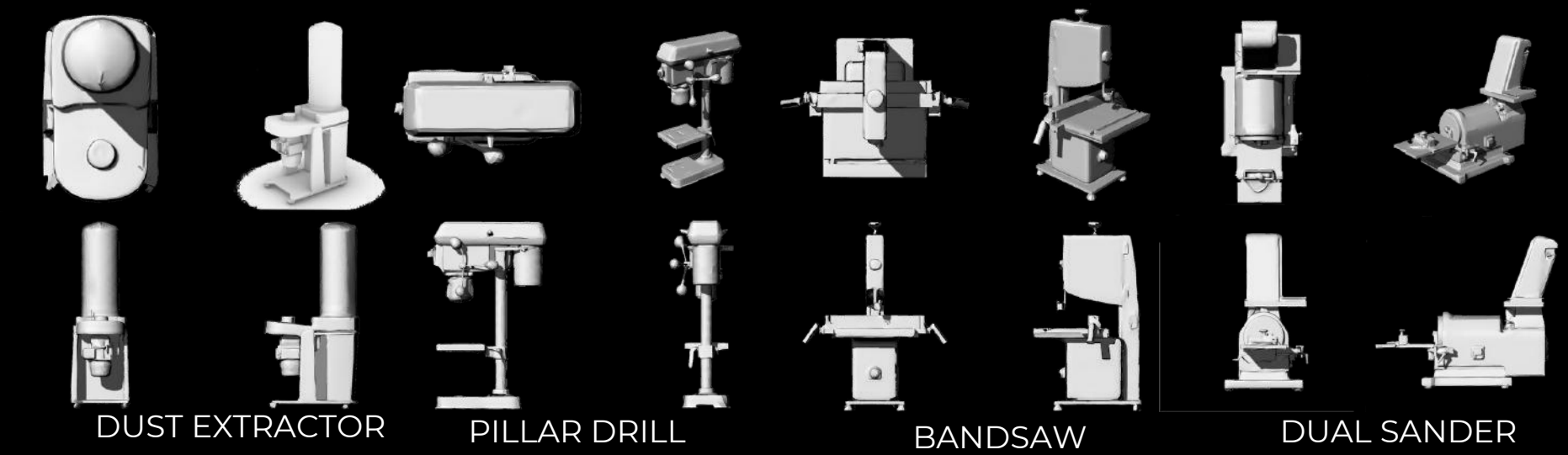
Pigeon loft scale 1:50



The modular nesting boxes are designed for flexibility and hygiene. Users can easily add or remove individual boxes to suit the flock's needs. Each box features a removable lid for confident access, while the front panel slides out for separate cleaning ensuring all components are cleaned thoroughly to prevent spread of disease.

MODEL Workshop scale 1:50

The workshop is designed to support both functionality and comfort. Machine tools are located away from the pigeons to minimise stress and disturbance whilst tabletop machinery has been thoughtfully selected to be lightweight and easy to operate making it best suited for the elder demographic by reducing physical strain and increasing ease of use. Additionally, the wood store is situated next to the staff computer to streamline stock management allowing staff to monitor and re-order materials quickly and efficiently.



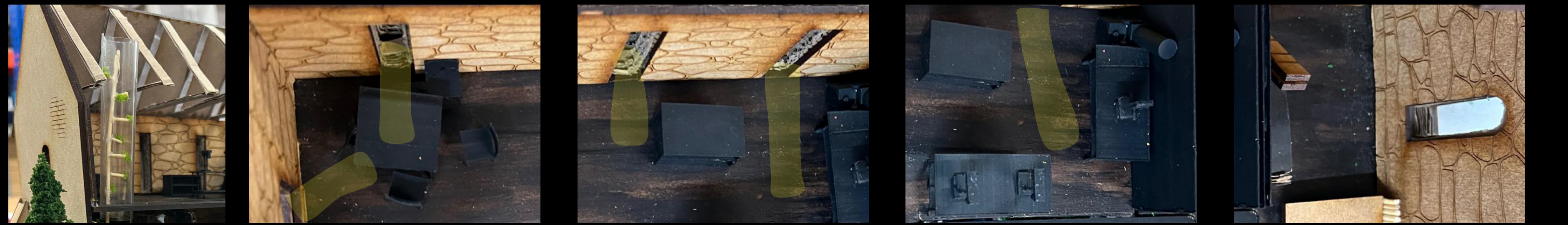
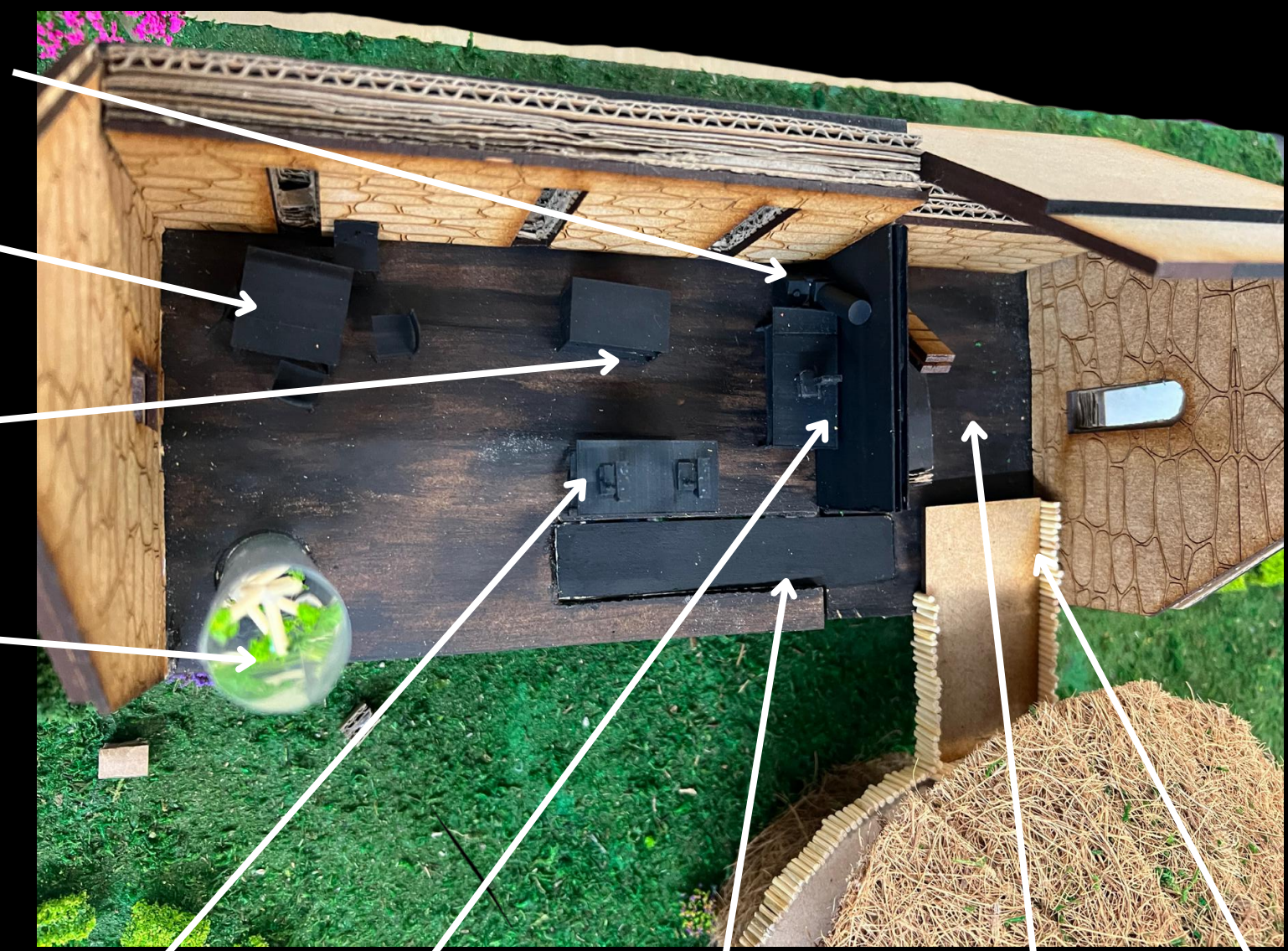
3D furniture made to scale and Resin Printed

Dust
extractor

Conversation
area

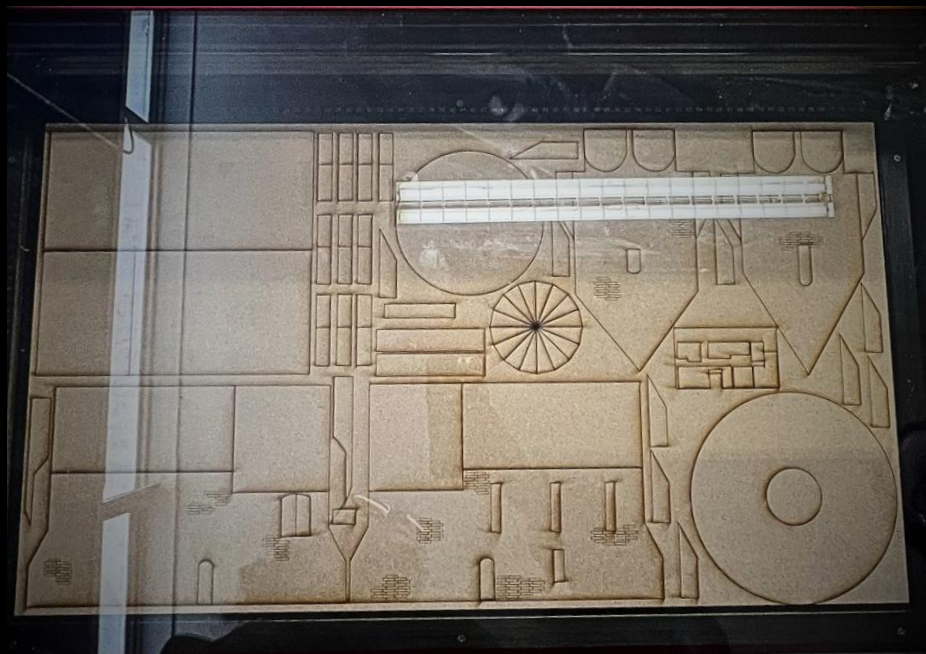
Tutors
desk

Pigeon
exit



MODEL

Overall



VISUALISATION

3D Render- Indoor garden



VISUALISATION

3D Render- Pigeon Loft



VISUALISATION

3D Render- Workshop



VISUALISATION

3D Render- Kitchen



VISUALISATION

3D Render- Observation Tower/ Gallery



VISUALISATION

3D Render- Overall





Thank you