



HOW CAN DESIGN BENEFIT ANIMAL  
WELFARE

BISHOPS LODGE

AN RSPCA CAFE / BAR / ADOPTION CENTRE

HARRIET BRADBURY

INTERIOR ARCHITECTURE AND DESIGN



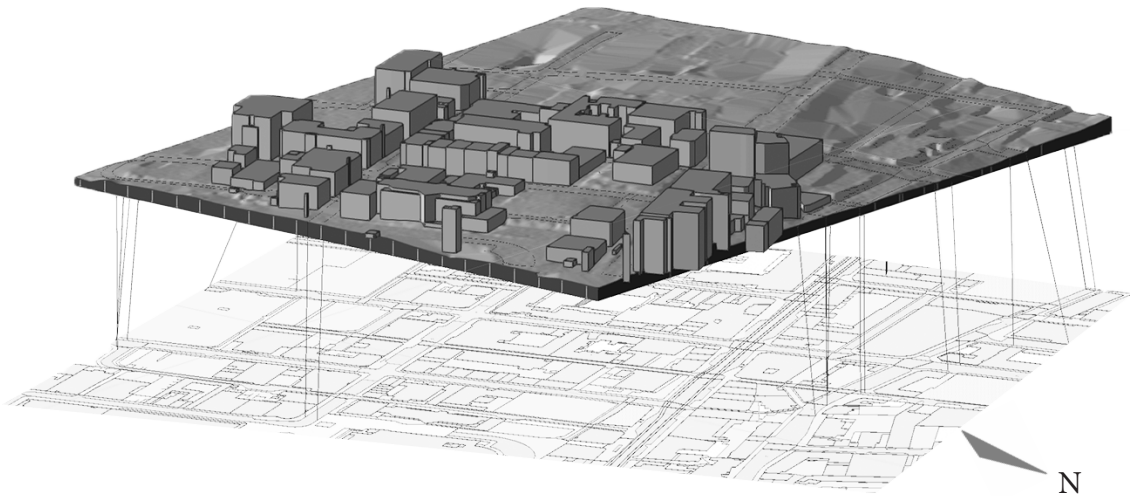
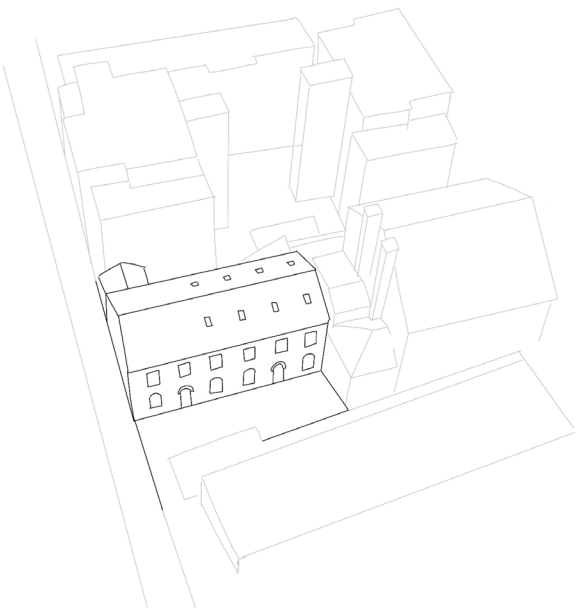
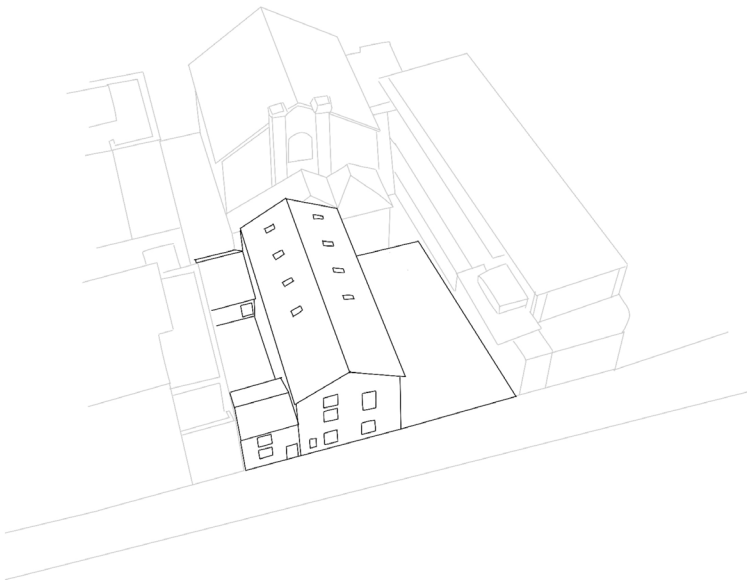
# INTRODUCTION

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This project is examining the reinvention and adaptive re-use of an old building in Sheffield to bring it into the 21st century for use by the RSPCA. The concept is to demonstrate how good design, innovative use of an existing building, sympathetic restoration and use of materials can all be used to help an animal charity rethink its offering to increase its revenue and public awareness and support. The ultimate aim being to help animal welfare by pushing the boundaries on the traditional use of buildings by a well established charity.

LOCATION - BISHOPS LODGE SHEFFIELD  
- The chosen location to develop

SITE ANALYSIS



Bishops Lodge is located on Rockingham Lane, just off West Street, one of the busiest streets in Sheffield.

Built in 1812 by the Carver Street Chapel for the Red Hill Methodist Sunday School, Bishops Lodge is currently a Grade II listed building and being used as a series of luxury apartments.



RSPCA Sheffield Branch - S9 3HN

The closest RSPCA branch to Bishops Lodge I have located on the map, is a 40 Min walk from Rockingham Lane, making this a good location for a branch.

Bishops Lodge - S1 4FZ

# MY INTENTION OF HOW TO REPURPOSE BISHOPS LODGE

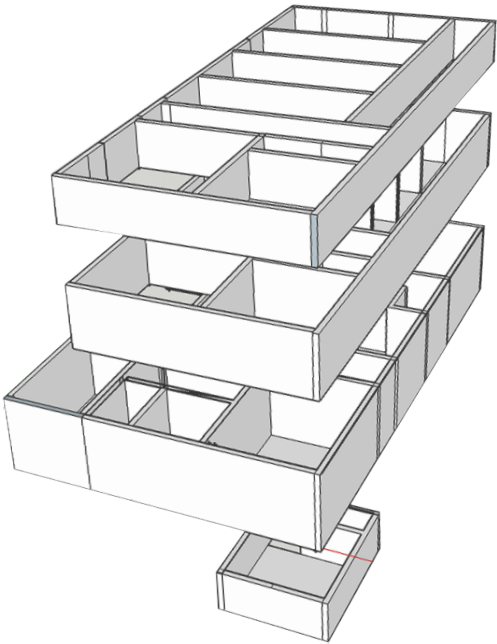
If I am going to have animals within Bishops Lodge, I need a space for kennels, a bathing area and outdoor area. My plan is to knock through the basement to make it the same size as the other floors, this can be where the animals are kept and where all of the grooming/ bathing will happen.

I want to create a space that has private areas as well as public areas, from my research I have found people like to be sociable but also like to have the option to have their own personal space.

I want to have a different area on each floor, as Bishops Lodge has two floors, a mezzanine, and a basement this is the perfect building for my design.

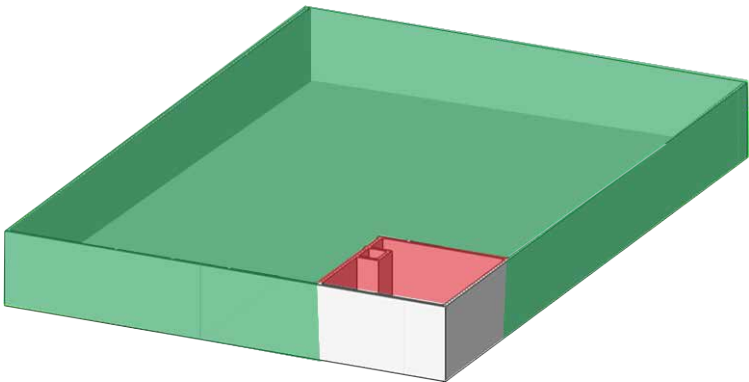
My research demonstrates that few people understand how the RSPCA work and have said that they want to learn more about the animal welfare charity, I want to incorporate an educational side to my design, so people can learn about the charity, whether it be from videos, books, events, or actually seeing / playing with the animals.

EXISTING BUILDING



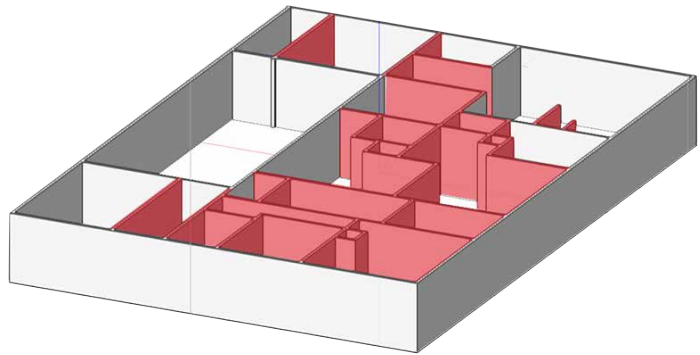
This is a model of the existing building and walls on each floor.

BASEMENT



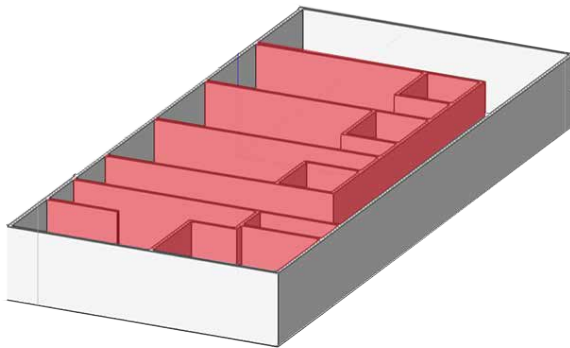
The areas in red show which walls I intend to take out, and in green shows the extention I plan on adding to the basement, to make room for kennels and storage. I am extending the basement out so it is the same size as the ground floor.

GROUND FLOOR



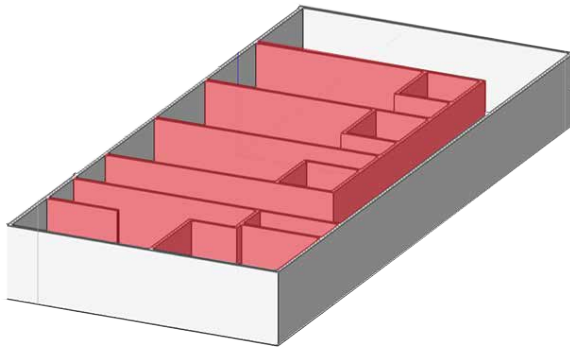
On the ground floor will be my cafe area and toilets, I have shown in red which walls I intend to take out to make space for this.

MEZZANINE



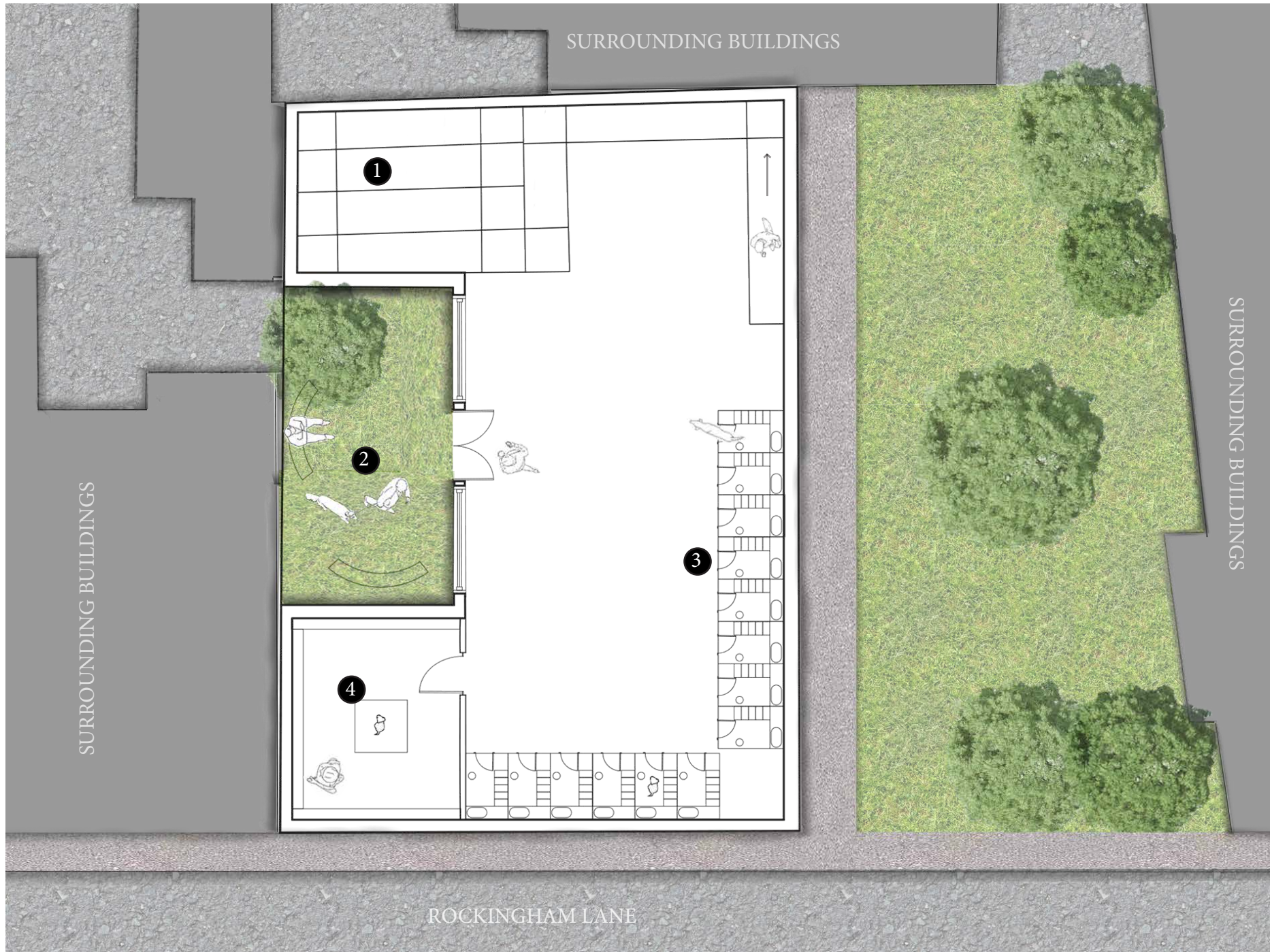
For the mezzanine I am taking out all internal walls so it is an open plan space.

FIRST FLOOR



For the first floor I am taking out all walls to make space for my bar and lounging area.





## BASEMENT

Scale 1:50

The basement is where the animal accommodation is.

There are a total of 14 kennels, along with a storage room to the bottom left.

There is also an outdoor courtyard area where animals can quickly be let out.

The slope goes up to the ground floor.

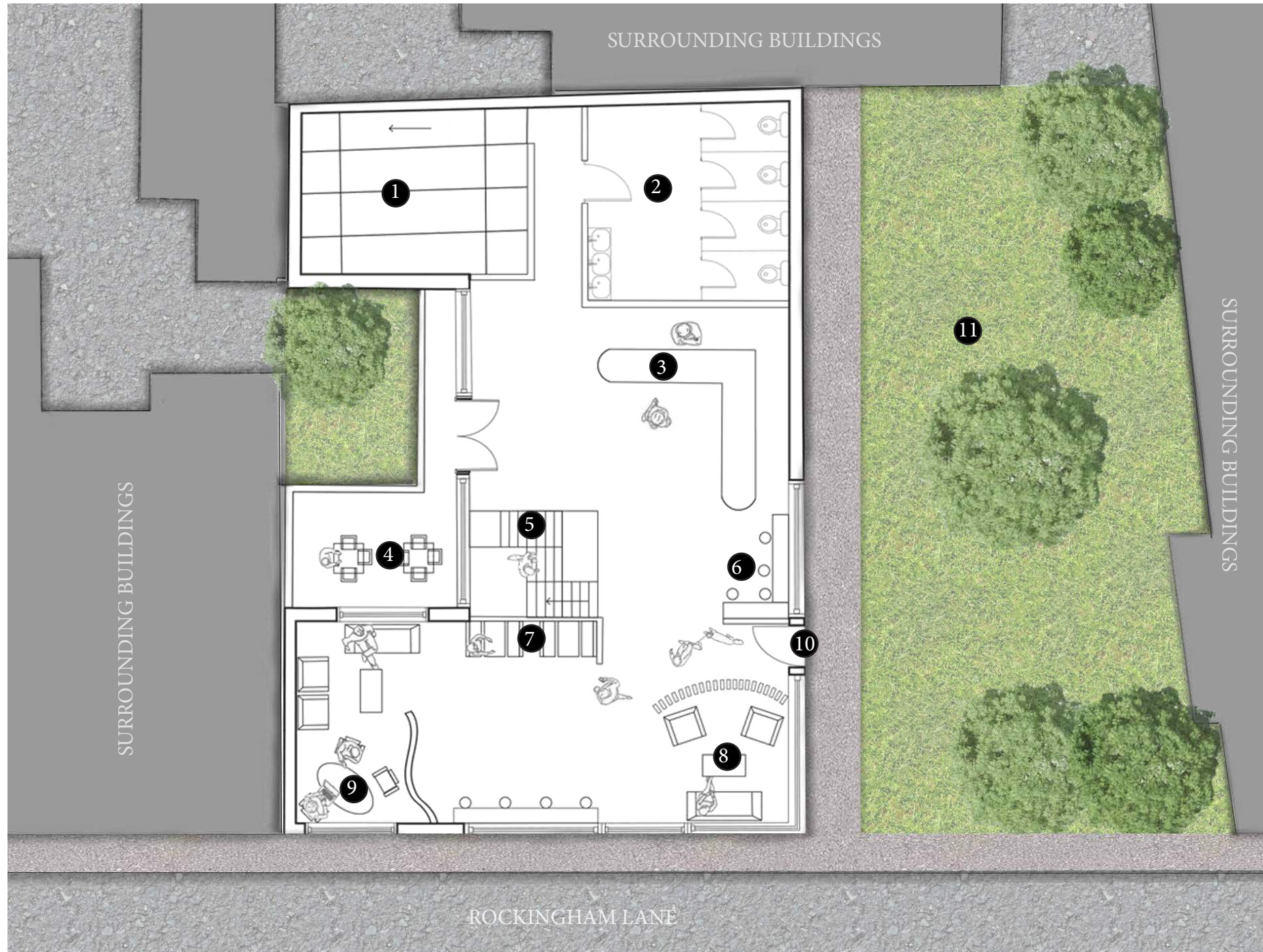
1 Slope to ground floor

2 Coutyard

3 Kennels

4 Storage and grooming room





## GROUND FLOOR

Scale 1:50

The ground floor is the cafe area.

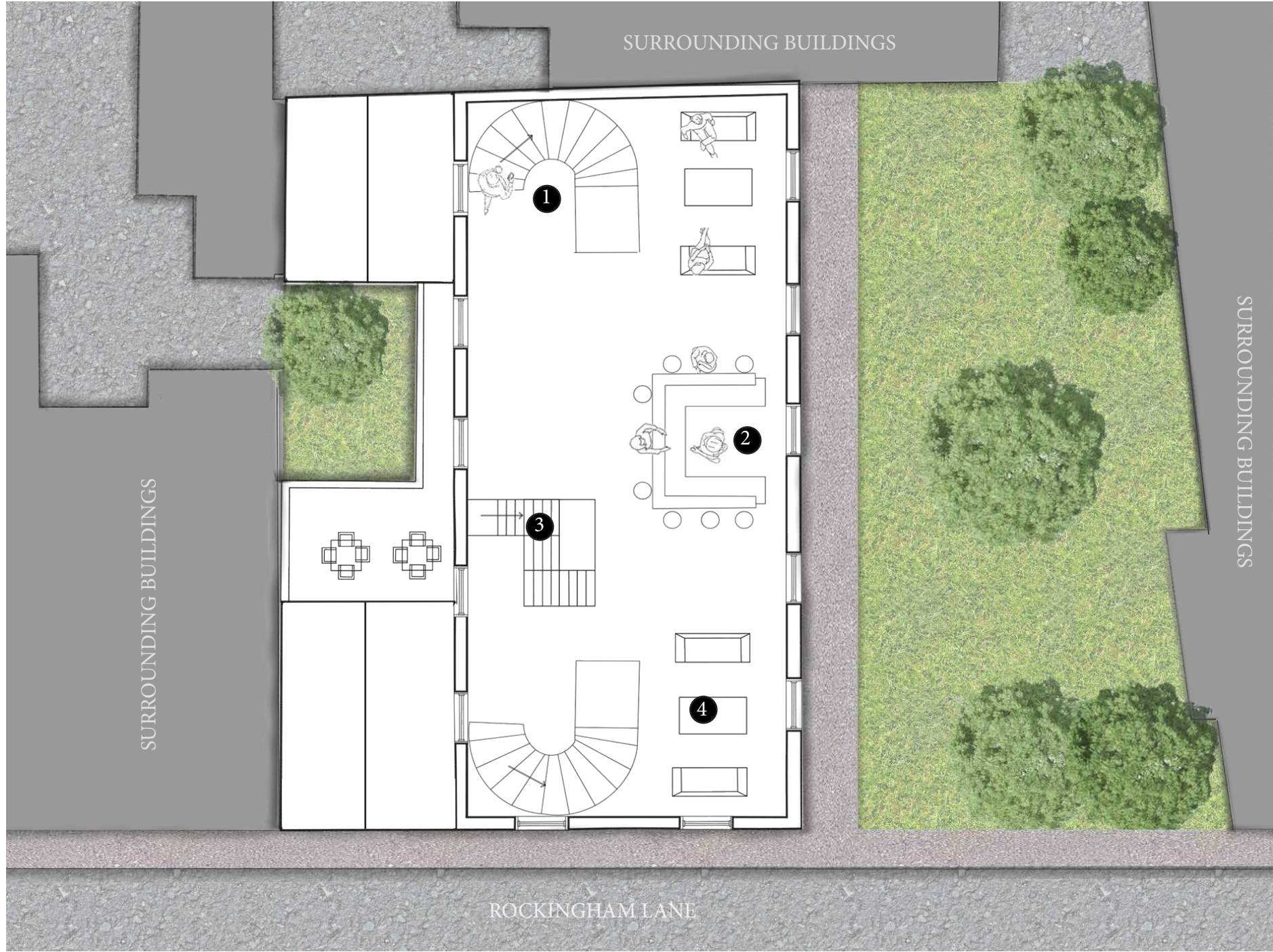
When you come through the entrance you are greeted with the stairs going to the first floor, and to the right you will see the cafe bar with seating.

Going to the left after entering the building there are more seating areas, including a booth dining area.

At the bottom left of the cafe there is an adoption area where you can learn about the charity and possibly adopt an animal.

- ① Slope to basement
- ② Toilets
- ③ Coffee bar
- ④ Balcony
- ⑤ Stairs to first floor
- ⑥ Seats
- ⑦ Booth seats
- ⑧ Comfy seating area
- ⑨ Adoption area
- ⑩ Entrance
- ⑪ Coutyard





FIRST FLOOR  
Scale 1:50

On the first floor is the bar area.

Once you come up the stairs you are greeted with a platform that has a square bar with seating placed around it.

To either end of the space there are sofas and chairs.

There are two helical staircases going up to the mezzanine

- 1 Stairs to mezzanine
- 2 Bar
- 3 Stairs to ground floor
- 4 Seating area





# MEZZANINE Scale 1:50

The mezzanine is another seating area.

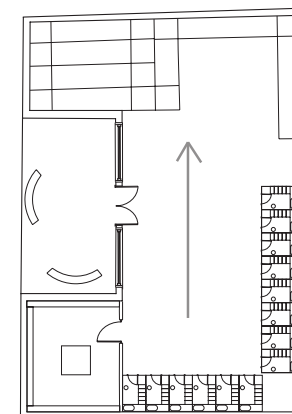
With three tables that seat four people per table, and two sofa and chairs at each end of the space.

- 1 Stairs to first floor
- 2 Comfy seating area
- 3 Seating area

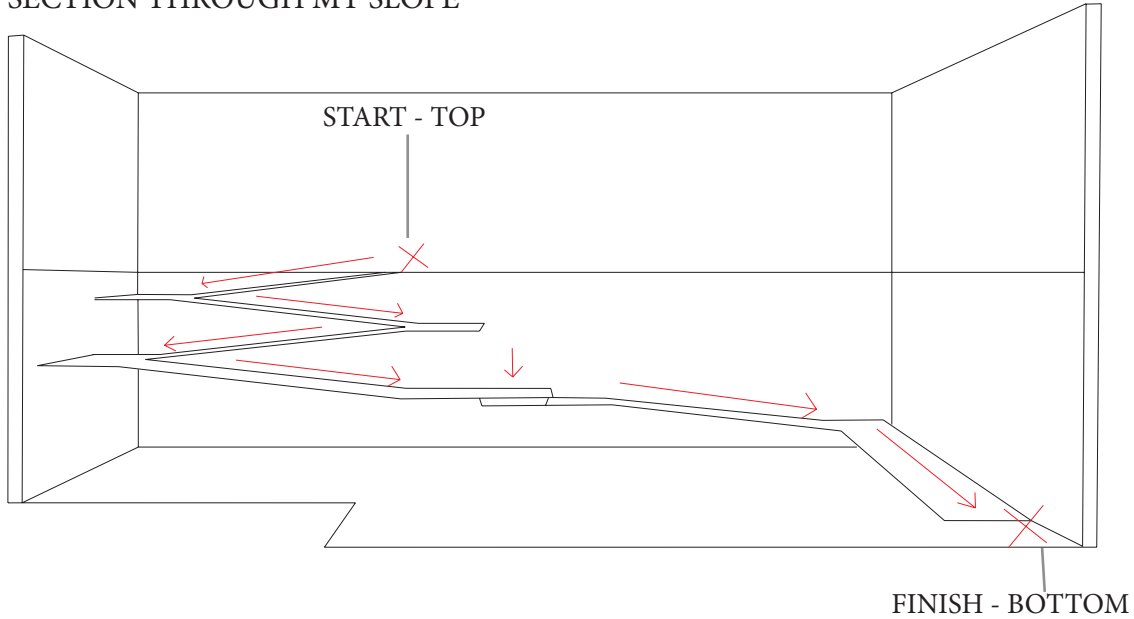




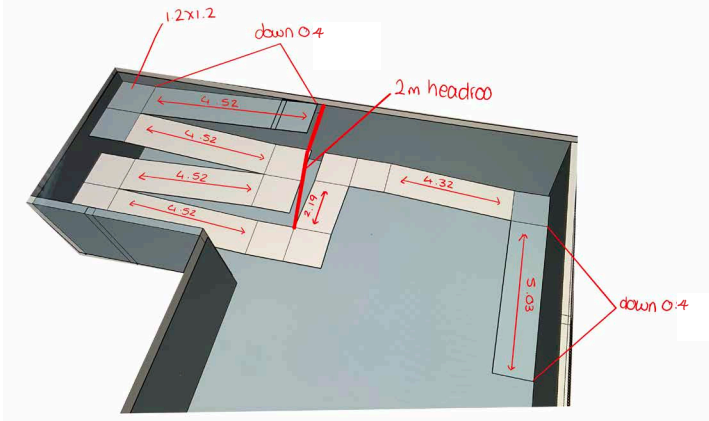
SLOPE  
BASEMENT



SECTION THROUGH MY SLOPE



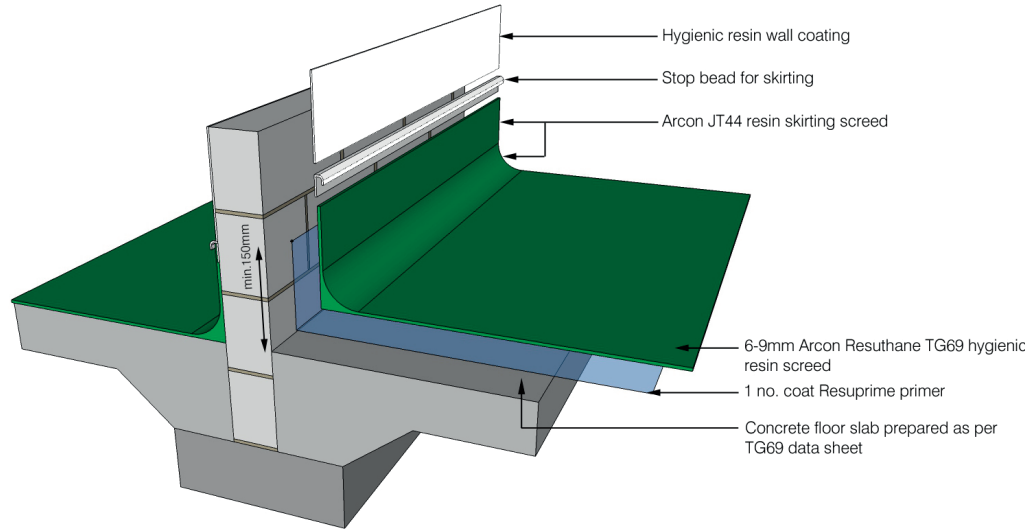
CALCULATING THE SLOPE IN COMPLIANCE WITH BUILDING REGS



My slope needs to go down 2.8m

Every slope goes down 0.4m, with a 2.0m landing in between each slope. Once you have gone down the first 5 slopes, there is enough space for 2m headroom from the ceiling.

The slope is 1.2m wide all the way.  
This is in line with building regs for slopes.  
This makes my slope a maximum of 53.62m long

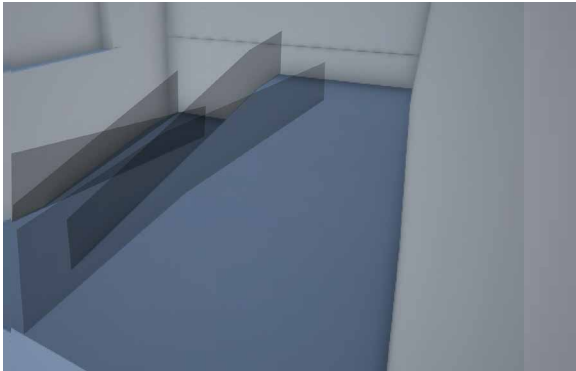


Kennel floor screed build-up

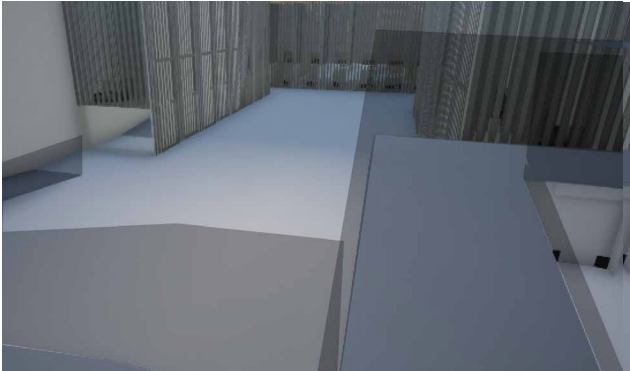
The typical flooring to use would be concrete, but over time water and animal urine get absorbed by the top surface of the concrete which then becomes difficult to clean and will start to smell.

After researching I have found that resin floor screed is the best option for flooring in kennels, laid at 6-9mm thick they give a highly durable and robust finish that will resist scraping and impacts. The resin floor finish gives a seamless and hygienic surface that will not support microbe growth.

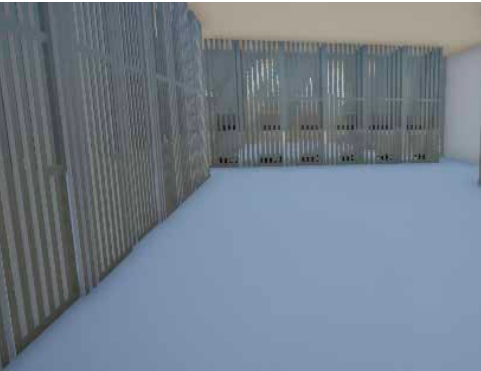
The walls in the kennels will also be made out of a hygienic resin wall coating.



Looking from the top of the slope



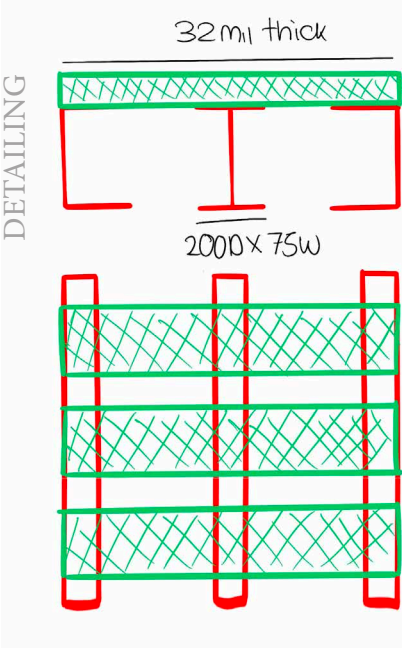
Looking from the middle of the slope



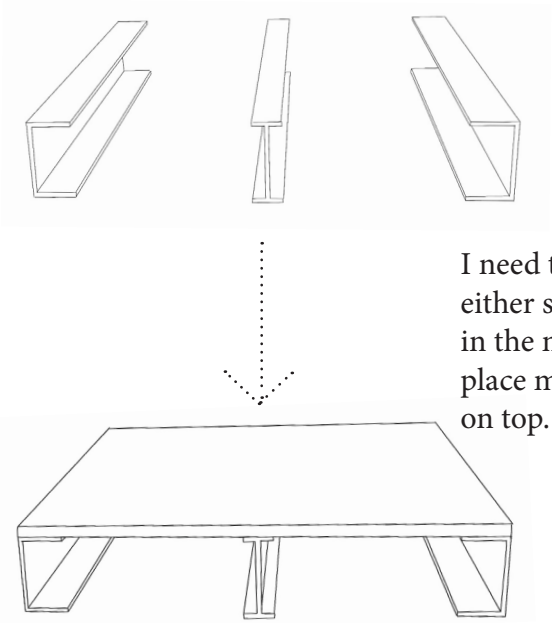
Looking from the start of the kennels



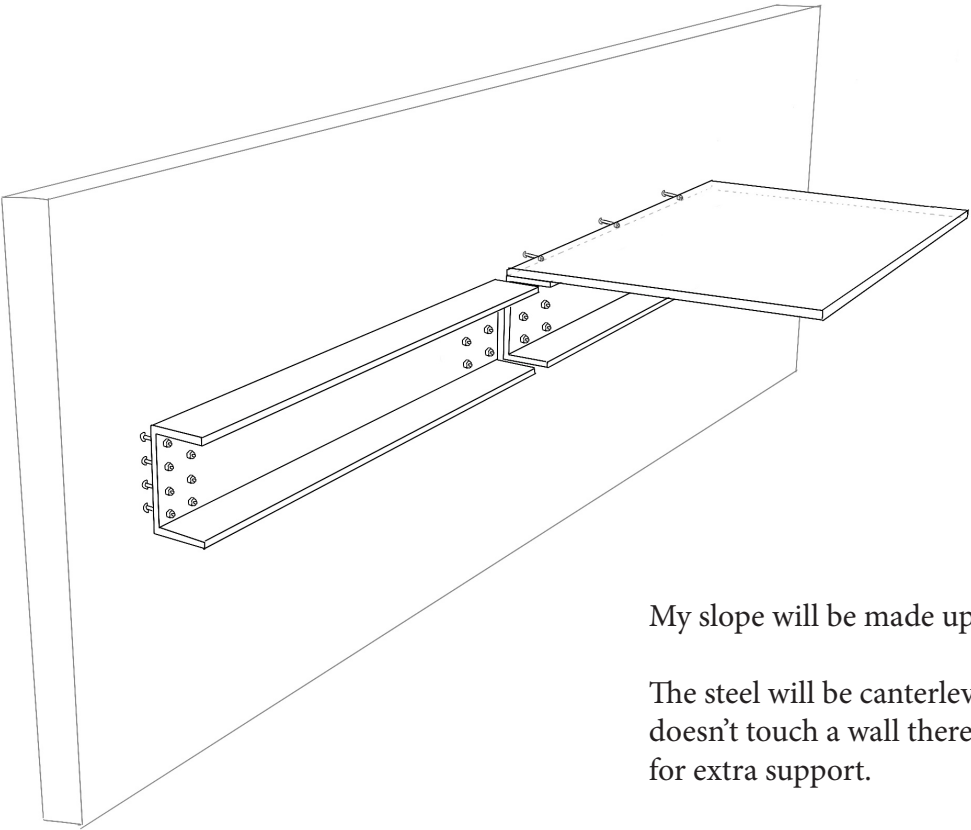
DETAILING OF THE SLOPE -  
Without the ballustrade



I beam - 203 D x 102 W  
Channel - 200 D x 75 W

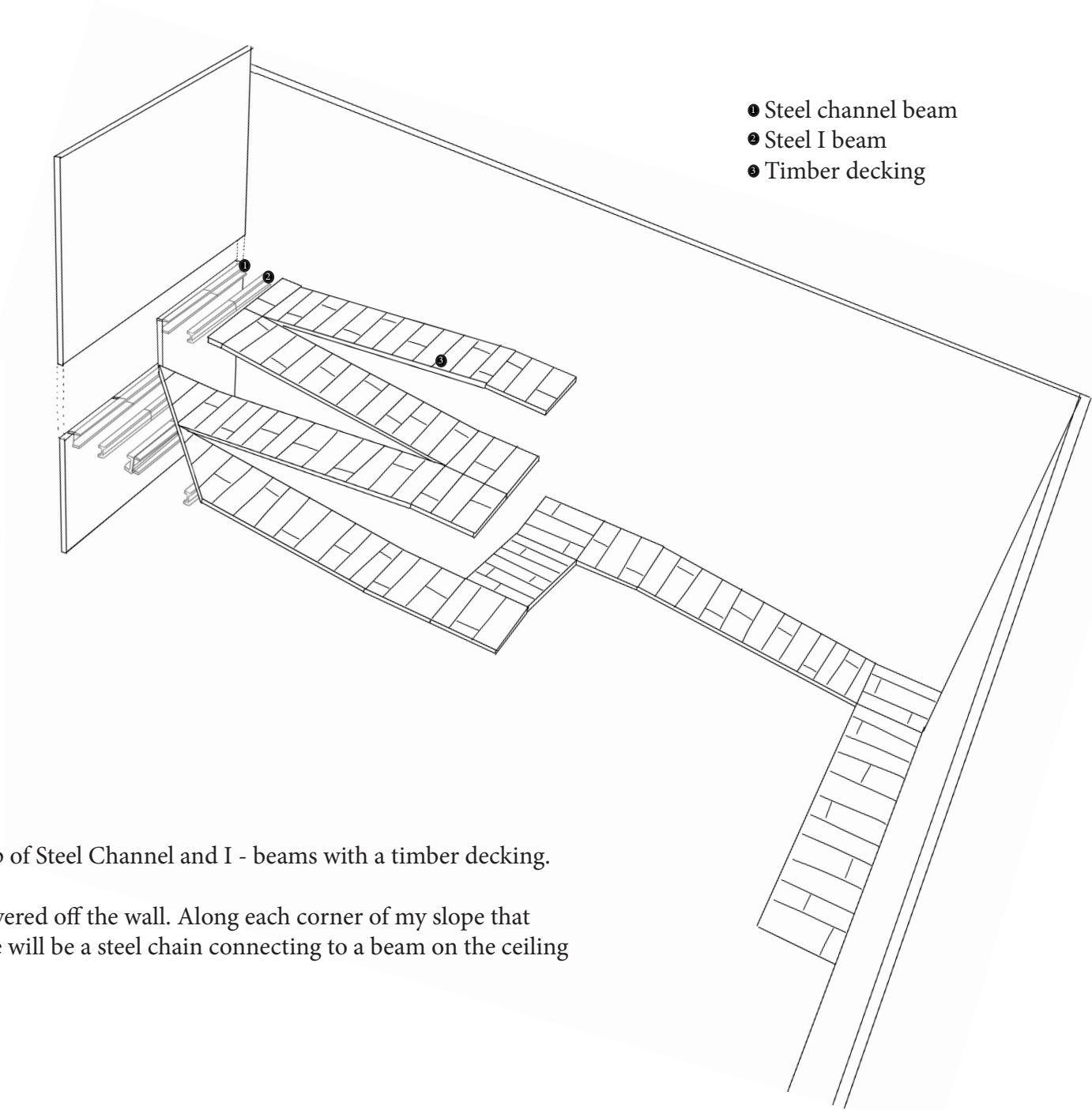


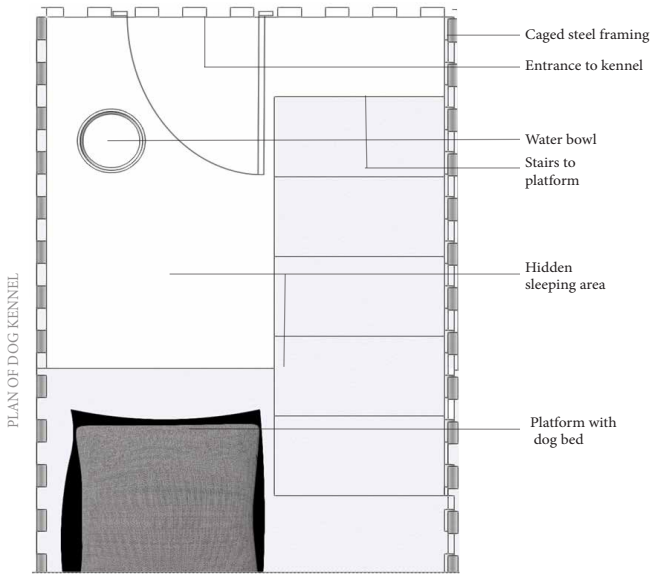
I need two channel beams  
either side with an I beam  
in the middle, so I can  
place my timber decking  
on top.



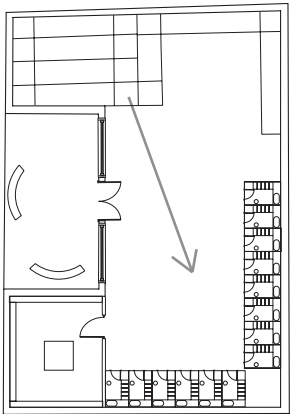
My slope will be made up of Steel Channel and I - beams with a timber decking.

The steel will be canterlevered off the wall. Along each corner of my slope that  
doesn't touch a wall there will be a steel chain connecting to a beam on the ceiling  
for extra support.



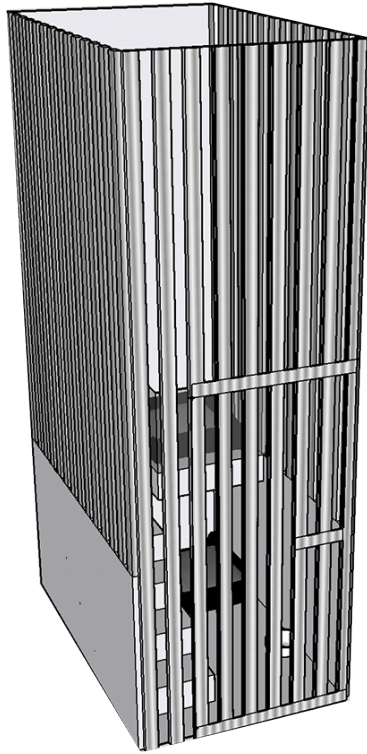


KENNELS  
BASEMENT





## DETAILING OF THE KENNEL

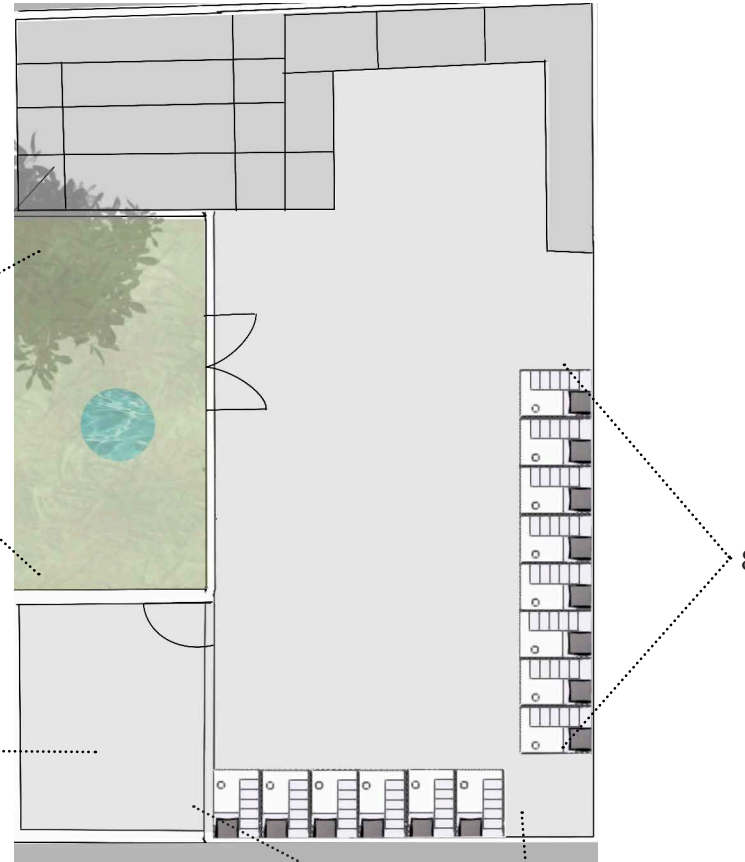


My kennel is 1.9 x 1.2 with a 0.33m thickness. which is in line with the size of a kennel for a big dog weighing 150-180lbs

There are steps leading up to a platform so the dog has a different level to sit on, this is big enough for a standard sized dog bed, and has a 0.5m barrier around for safety.

Courtyard - play area

Storage



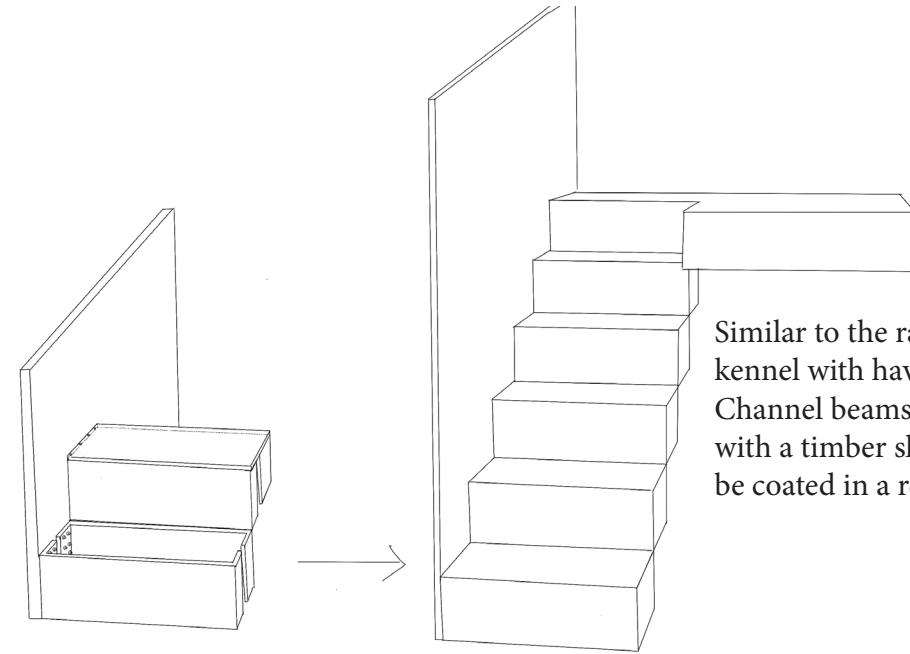
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Here I've shown two interior examples of my kennel, with a dog sitting on the two different levels.

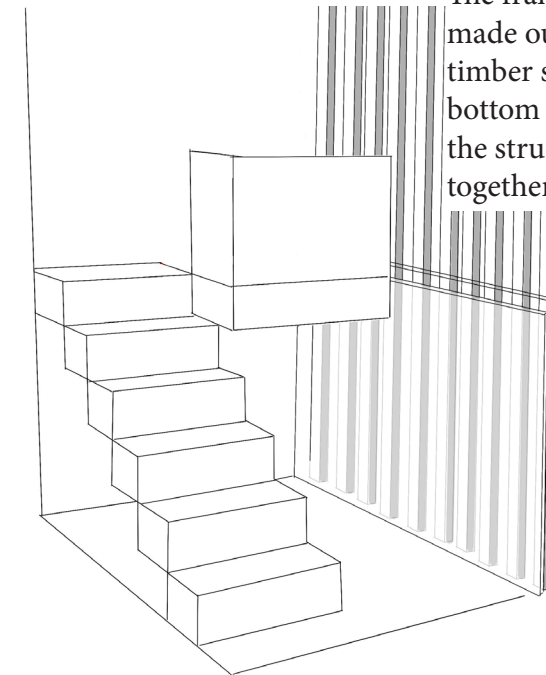
The steps are 0.5m wide with a riser of 0.17 and a going of 0.25.

The door to get into the kennel is in line with standard door size being 1.2m tall and 0.9m wide

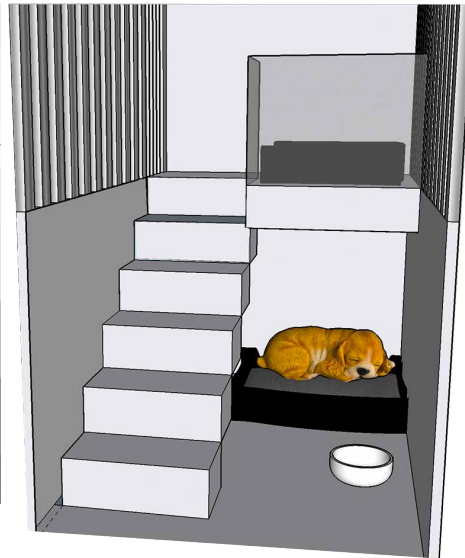
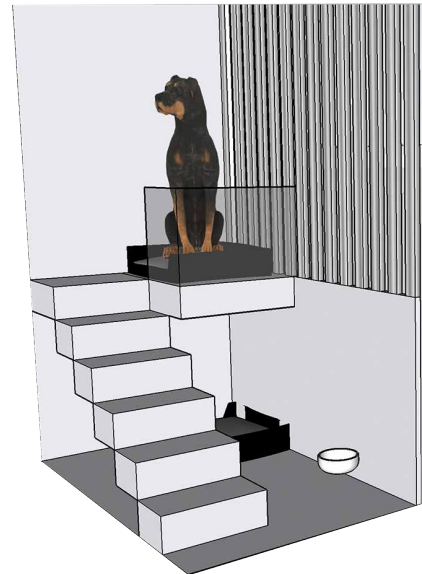
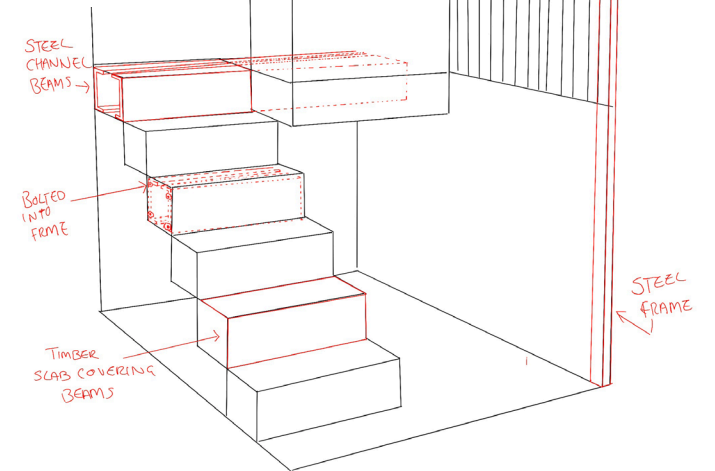
Looking at my space, with the ramp in, I have enough room to have 14 Kennels, as well as a storage room which will be in the bottom left.



Similar to the ramp, the stairs within the kennel will have two steel Channel beams connected to the wall with a timber slab laid on top which will be coated in a resin floor screed

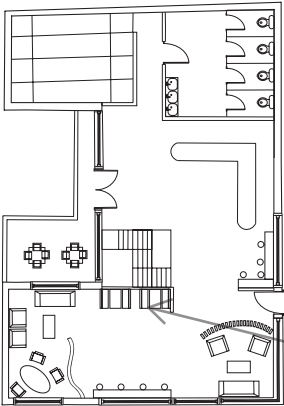


The frame of the kennel will be made out of steel poles, with a timber slab covering the bottom half which will also hold the structure of the frame together.

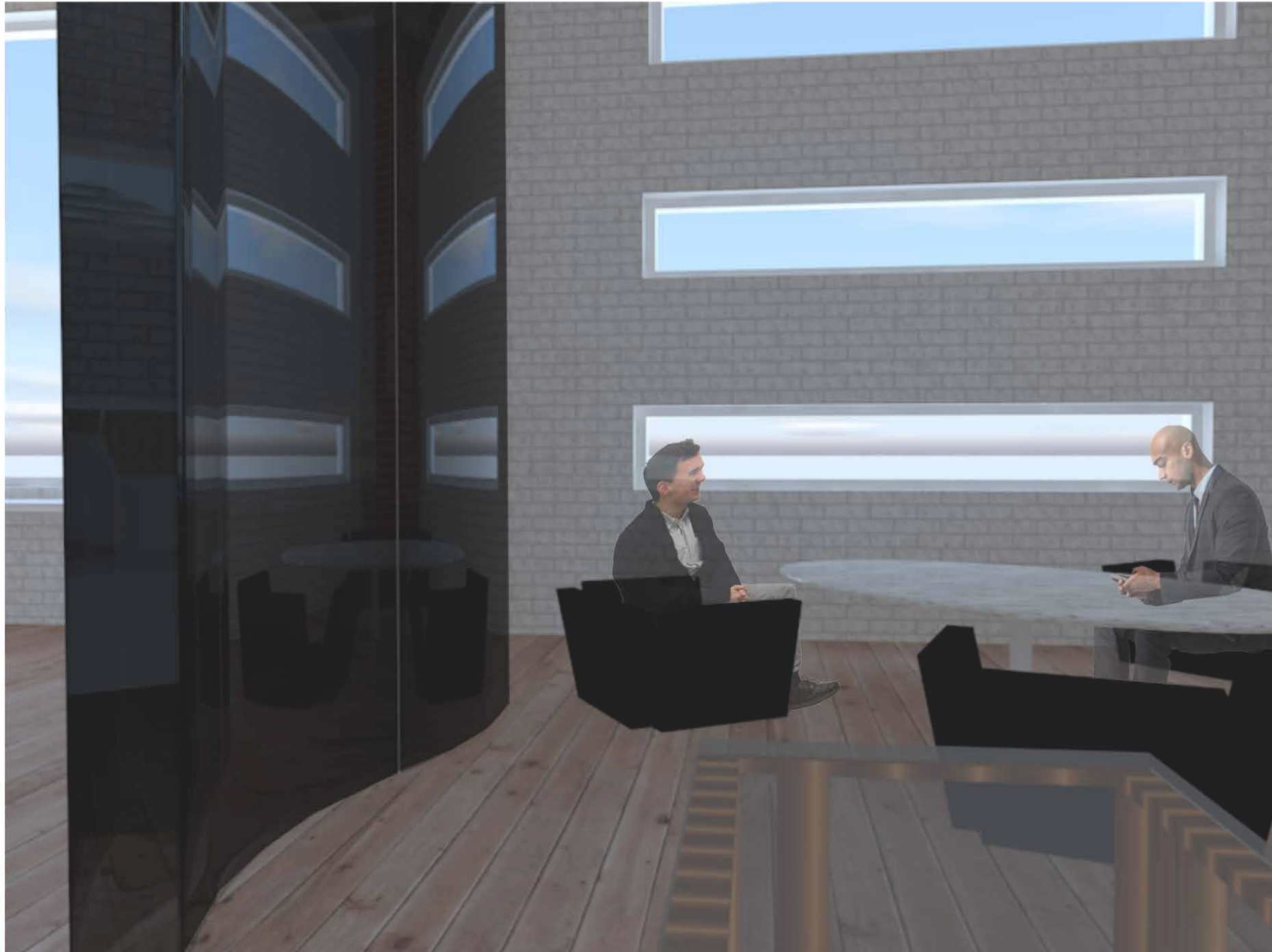




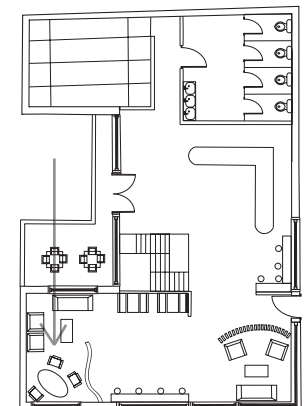
SEATING AREA  
GROUND FLOOR

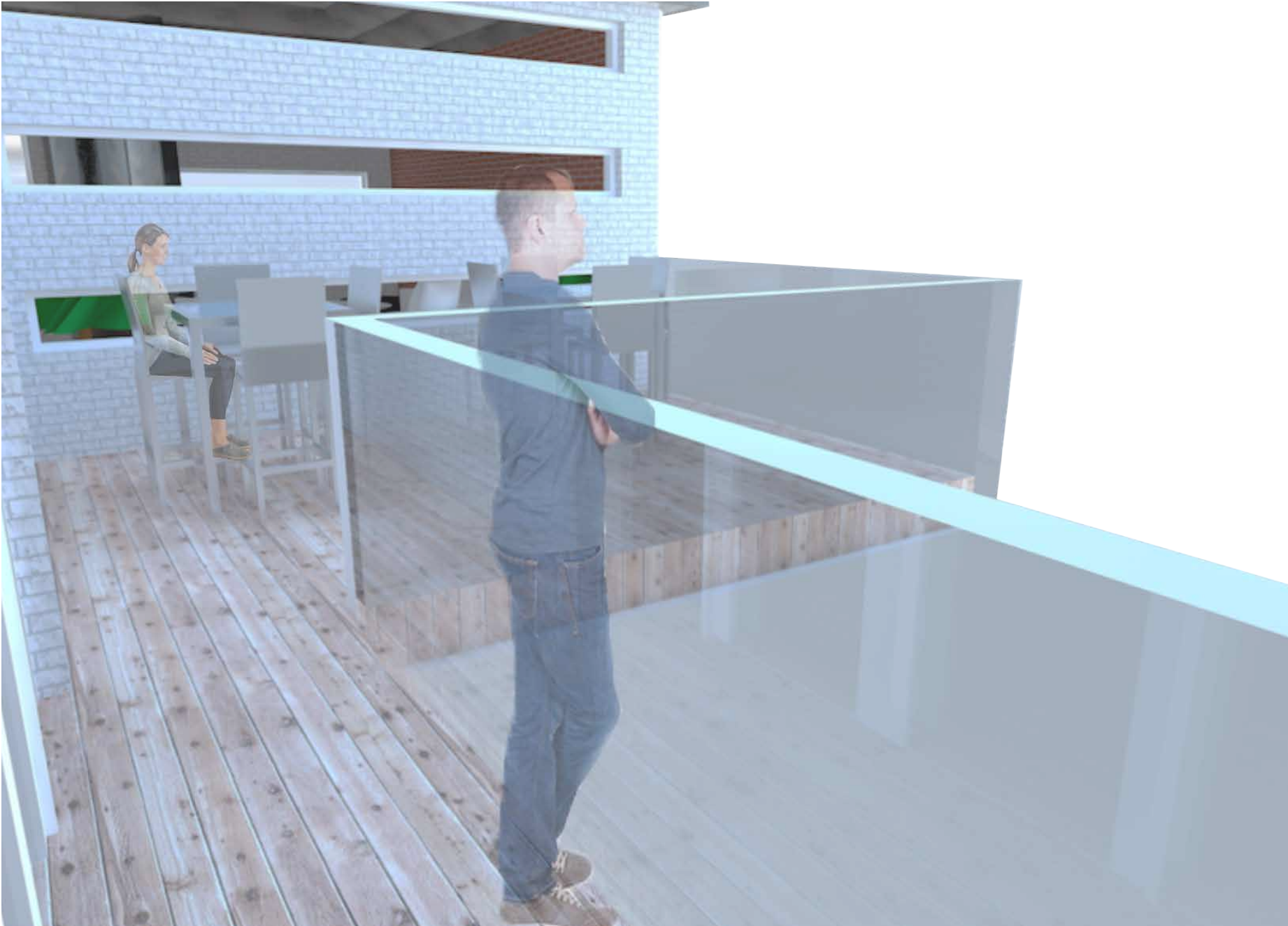




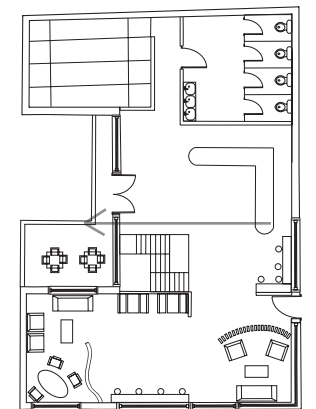


ADOPTION AREA  
GROUND FLOOR





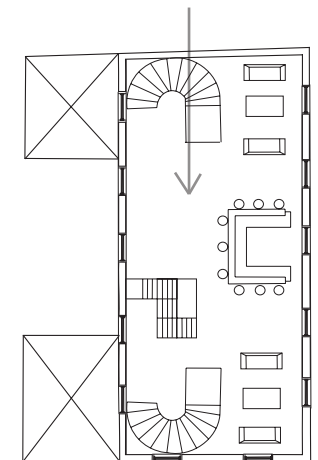
BALCONY  
GROUND FLOOR







BAR AREA  
FIRST FLOOR





OUTDOOR COURTYARD  
GROUND FLOOR LEVEL





VISUAL



OUTDOOR COURTYARD  
BASEMENT LEVEL