| THE BISCUIT TIN TARA WHITAKER | |
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| REASON FOR PROJECT | BRIEF | |
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| Although Edinburgh is considered a wealthy city, there are an estimated 80,000 citizens living in poverty and experiencing food insecurity. The food poverty crisis has particularly risen over the last two years of the pandemic, meaning more and more people are visiting food banks in need of support. In contrast with this, 27.1 tons of food is wasted and sent to landfill in the city every week, of which a large portion is still edible. The idea for this project stemmed from the increasing food poverty crisis and incorporates this with reducing and recycling food waste. The project is centered around the community, and aims to integrate everyone, taking away the stigma associated with poverty. | Design a community centre focused on food, helping to alleviate poverty through function and design. | |

More than one in five of the UK population are in payarty which equates to around 14.5 million people. Of these, 8.1 million are working-age adults, 4.3 million are children and 2.1 million are pensioners. According to most recent data, powerty amongst children is increasingly the most rapidly of these groups.

Single-parent families are one of the highest groups that suffer from food insecurity, of which 90% are familie. Those from minority ethnic backgrounds and disabled households are also more likely to experience powerty and food insecurity.

More locally in Edinburgh, there is significant homelass community, of which the majority are single man. This group lack access to food, and the facilities to prepare healthy meals for themselves making them the group to suffer most from food insecurity.

The Covid-19 pendemic has meant more people in Edinburgh have found themselves in a situation where they struggle to afford food for themselves and their families. This is particularly prevalent in families with children who could no longer use free school meet vouchers due to the closure of schools, as well as those who have been impacted by the cuts to universal credit.

A CENTRE FOCUSED ON FOOD

The Biscuit Tin is a community centre based around the issus of poverty, which supports the community by offering a subsidised supermarket, allowing customers to 'pay whet you can'. The supermarket works on a membership scheme, where users pay for the tier which they can efford, but every customers is entitled to the same items. Mambership fees are loaded onto a card which can be scenned of checkout, and used in the supermarket, cafe and clothes swep, taking away the monetary value of items, and therefore the stigme that is effected to poverty.

The kitchen is open for both public and commercial use, providing a facility to cook and store media, which some users may not have at home. The kitchen also provides classes, teaching the community easy, healthy and effordable recipes.

The centre fully integrates the community, by offering jobs to the unemployed, as well as running training programms within the kitchen for aspiring chafe. All membership fees and payments in the cafe and restaurant feed back into the cantre, allowing it to provide the best items for all visitors. Other spaces included within the centre take into consideration the needs of the local community, and include a children's play area, a clothes swap shop, counselling and seminor rooms, as well as a co-working space.



Despite being the sixth richest country in the world, the UK's food poverty rate is amongst the highest in Europe. Food poverty encompasses both the affordability of food and its accessibility within local communities. Many experiencing food poverty_ rely on food banks, pantries, and free school meal vouchers to feed themselves and their families. Often it is the case that parents will skip meals simply to provide food for their children.

Although food poverty has been an issue in the UK for many years, it has significantly increased during the Covid-19 pandemic. It is estimated that 2.5 million 3-day emergency food supplies were distributed to those in need between April 2020 and March 2021.

FOOD WASTE

More than a third of all the food produced in the -chain or wasted at the consumer level, equalling around 2.5 billion tons. This equates to around 79 tons of food waste per second. It is estimated that only a quarter of the US, UK and Europe's food waste would be enough to feed the 1 billion people in the world that suffer from hunger.

Most people are unaware of where the food we wastegoes, nor do they know about the consequences.
Around 30% of food waste goes to landfill, and a further 26% is incinerated, both of which are harmful to the environment, and can cause health problems. Reducing food waste is thought to be the number one solution to solving the climate crisis.



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More often than not, unhealthy food is cheaper and more easily accessed than nutritious foods that form a balanced diet. This leads to widened health inequalities and gaps in life expectancy between wealthy and disadvantaged people in the UK. One of the major impacts of poverty on mental health is the stigma associated with it. Poverty leads

to low self esteem, high levels of depression and anxiety and significantly impacts the cognitive, social and behavioural development of young people. Research shows that between 2011 and 2015 suicide rates were more than three times higher in deprived areas

Poverty is damaging, not only to the people living_ in it, but also to families, society, education systems, taxes and the economy. Poverty's most_

notable impact is on health, both mental and physical

every week - the equivalent of 54,000 food items unnecessarily thrown away. goes to waste in

Initiatives such as Shrub Coop, who operate a Zero Waste Hub, are currently working to rescue —edible food that is going to waste. The initiative— saves an average of 1.63 tons of food per month, redistributing it from local businesses and grocery shops, directly to charity partners.

Nationally, there are charities such as Fareshare and The Felix Project, which work with supermarkets—and food banks to redistribute excess food and—waste to those who need it most. This is one step towards a more positive future for food waste and

FOOD POVERTY IN EDINBURGH

Offering jobs to the local

Reuse existing materials

REUSE

'Restue' food from big supermarkets

Recycle WASTE waste

food Into

COMMUNITY HELPING
PEOPLE
MOVE OUT OF

POVERTY

counselling

Trainee chef

THE BISCUIT

TACKLING FOOD

Sustainable Everything subsidized Member-STIEMA
materials goes back food ship

EDUCATION

programma classes

Despite Edinburgh being an affluent city, there are an Despite Edinburgh being an affluent city, there are an estimated 80,000 citizens, or 6.85% of the population living in poverty. This figure includes 1 in 5 children. Although the average income is £2,254.66, basic monthly costs average at £1,192.79, meaning the city has one of the highest costs of living the UK. Around 13% of workers in Edinburgh earn wages at rates below the Living Wage Foundation's recommended rates, and 10% rely on non-permanent employment. This had lead to around 9% of Edinburgh residents finding it "difficult to cope" on their income.

Healthy takesways Fruit and

HEALTHY EATING

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WELLBEINS AND MENTAL HEALTH

INCLUSIVE

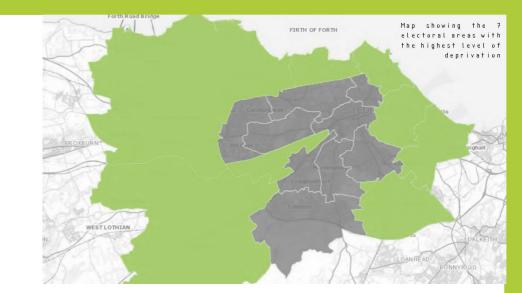
Counselling and therapy

De space for the whole

community

Modern and unique design

The rate of poverty varies considerably between different areas The rate of poverty varies considerably between different areas of the city, from as low as 5% in some areas, to 27% in others. Of the 17 electoral wards, 7 show poverty rates rising above 20%. These areas include: Forth, Craigentinny/Duddingston, Leith, Portobello/Craigmillar, Liberton/Gilmerton, Pentland Hills and Sighthill/Gorgie. Together, these 7 wards account for 50,400 of all people in poverty in the city, meaning that more than a third of all people in poverty live outside areas of high poverty concentration.



ACCESSING THE SITE

One of the key factors in choosing the site was its accessibility to the community, particularly those requiring subsidised food. It was important that the site could be accessed on foot from a large residential portion of Leith, as well as being easily accessed by bus and car.

The Biscuit Tin can be accessed easily by bus, with a range of services running to nearby bus stops Anderson Place, Elizafield, Cables Wynd and Steads place, which are all within a 10 minute

The majority of Leith sits within a 1 mile radius of the site, which is the equivalent of approximately a 20 minute walk. Other areas that are within this 1 mile radius includes Broughton, Trinity, and Newhaven.

The site also has also on street parking on the main road of Anderson Place, as well as limited parking places to the West side of the building, allowing visitors to drive to the site.



THE BISCUIT FACTORY

The Biscuit Factory was built in 1947 for Crawford's Biscuits, situated in the industrial area of Leith. The warehouse was home to the Crawford family business for 20 years, and still sits largely unchanged on Anderson Place. Crawford Biscuits was taken over by United Biscuits in 1962, and the Leith factory was later sold in 1970.

After being empty for around 40 years, it is now home to a collection of small businesses bringing together the community of Leith.

The building suits the project perfectly as it is a large space of around 2000m2, with interesting historic architectural features relating to its previous use as a factory. The large windows and skylights provide the building with considerable natural light throughout the day. The building is unlisted, allowing the potential for significant architectural and structural changes.

Geographically, the Biscuit Factory is located in an area which is easily reachable by all of the community, either on foot or by public transport. The building sits in the centre of the large and varied community of Leith, meaning it is the ideal location for a centre to serve the community.



Site Plan

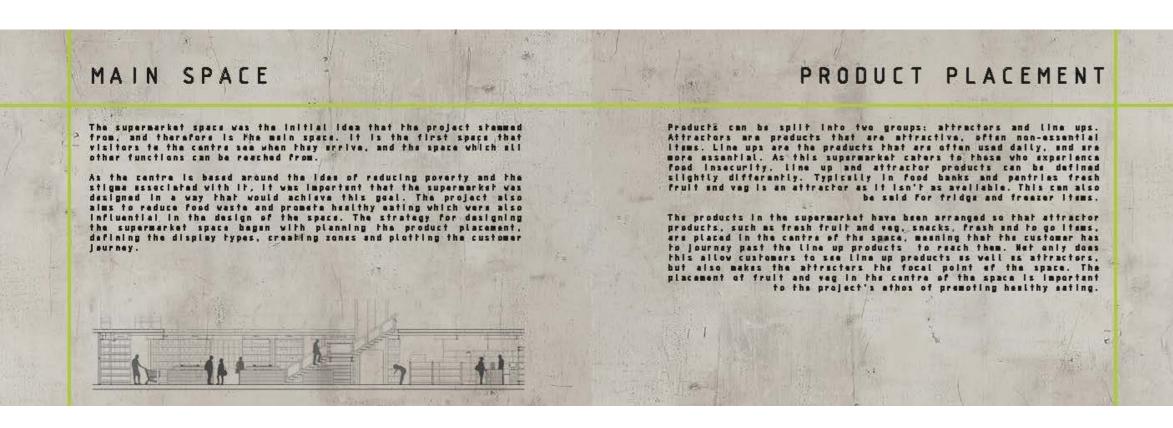
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A concept drawing of the project, showing the sense of community and giving an idea of the various functions of the space. The drawing also shows the idea of how the natural light might come down into the space through the skylights and atrium.

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CUSTOMER JOURNEY AND ZONES

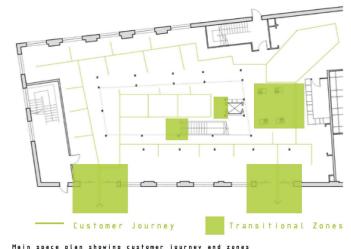
To make the space inclusive and welcoming, it is important that the customer can move freely throughout. The customer journey has been determined from research into layout types, and has resulted in a combination of a free flow, bunk and star layout. These layouts don't prescribe a certain route that the customer has to take but allows them to choose how they want to navigate the space whilst seeing the different products on offer. The layout draws customers to the centre of the space where the attractor products are located, such as fruit and veg and snack items, whilst also leading them round the shop clockwise ending at the checkouts.

Transitional zones have also been considered in the design of the supermarket layout. These zones are located around entrances and exits and are unsuitable for placing products as customers are getting their bearings whilst in this zone.



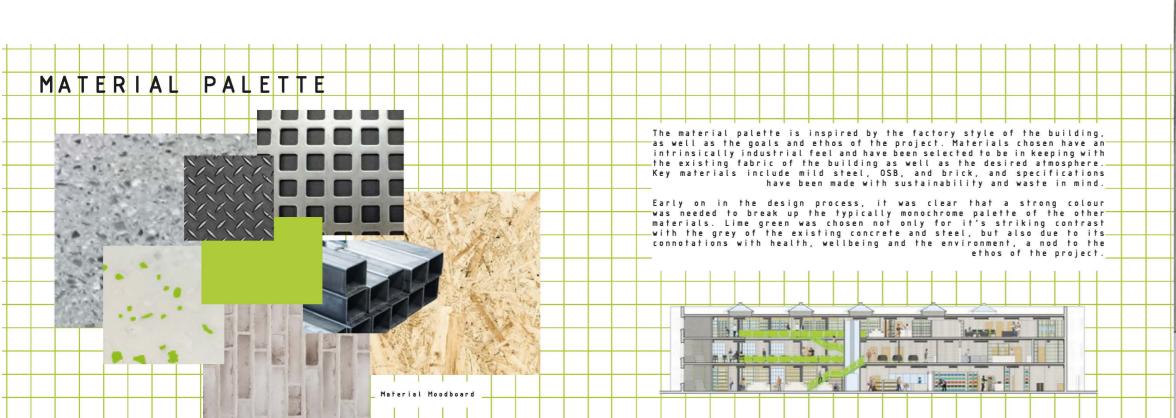






Main space plan showing customer journey and zones

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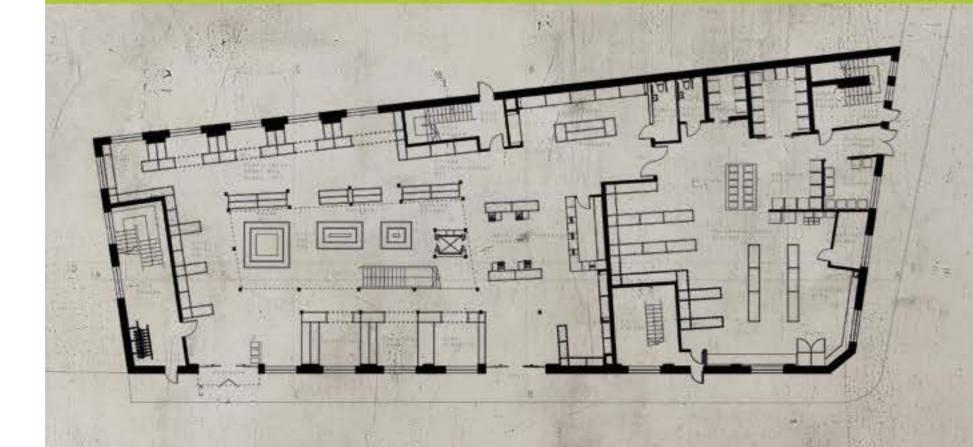


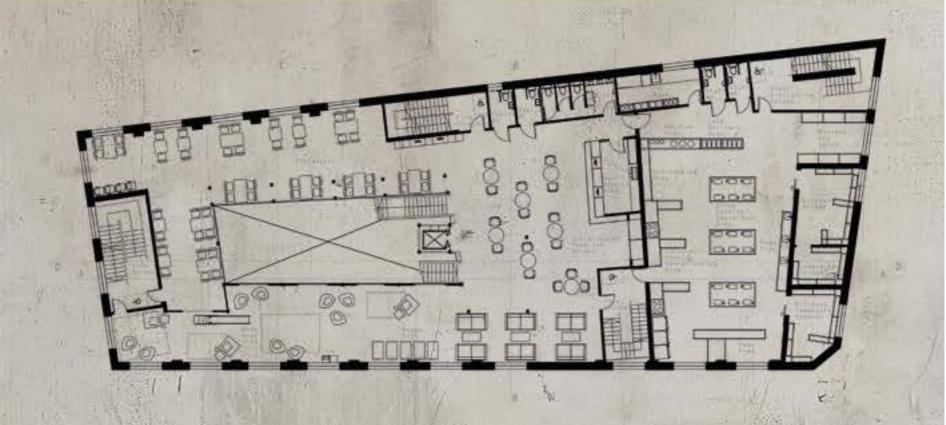


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GROUND FLOOR PLAN

FIRST FLOOR PLAN





SECOND FLOOR PLAN

SECTION AA AND BB

