

Project Overview

This project is inspired by the community spirit for sustainable living and love for nature of the residents in Peckham, London. The design proposal builds on the existing Holdrons Green in the area - an urban green space that provides an escape from the busy and polluted city life, created with recycled materials and planted by the local people. The interventions expand that concept and educate the younger generation and broader community in environmental and social sustainability through entertainment, creativity, reusing and repurposing of waste materials.



My Chosen Site -

Holdrons Green in Copeland Park/ Bussey Building, Peckham - A small oasis among the grey concrete blocks and city structures.

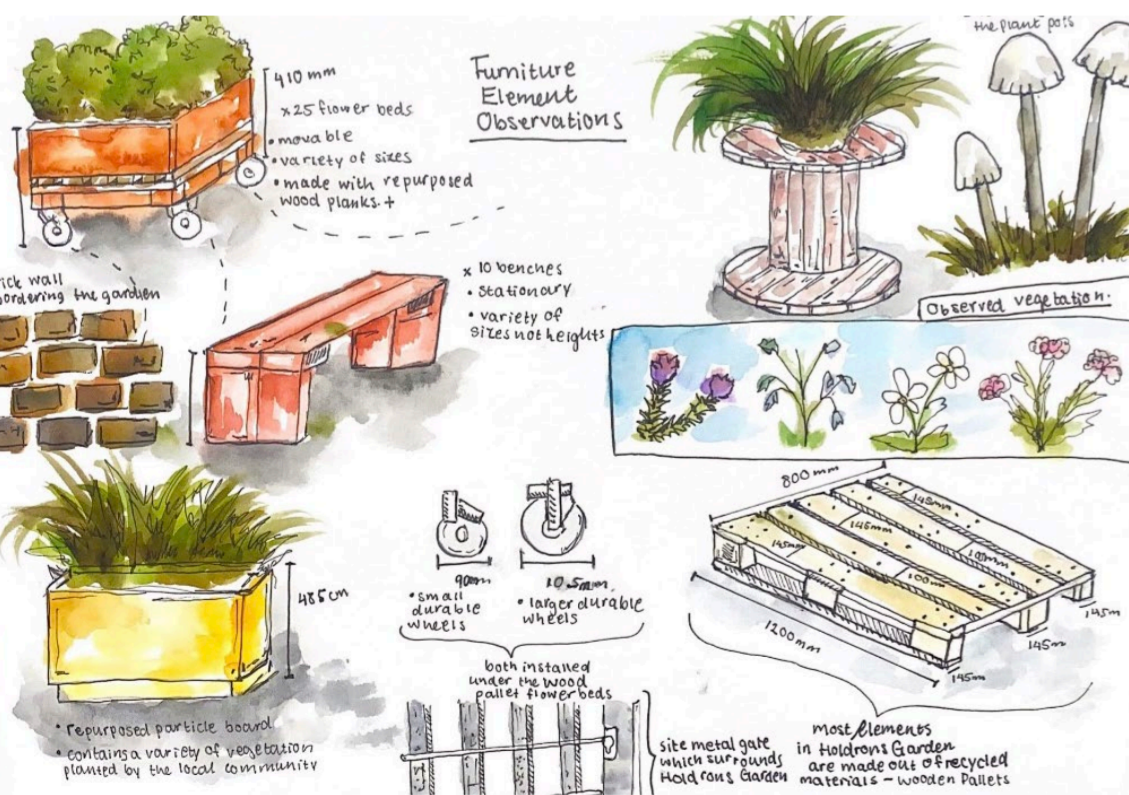
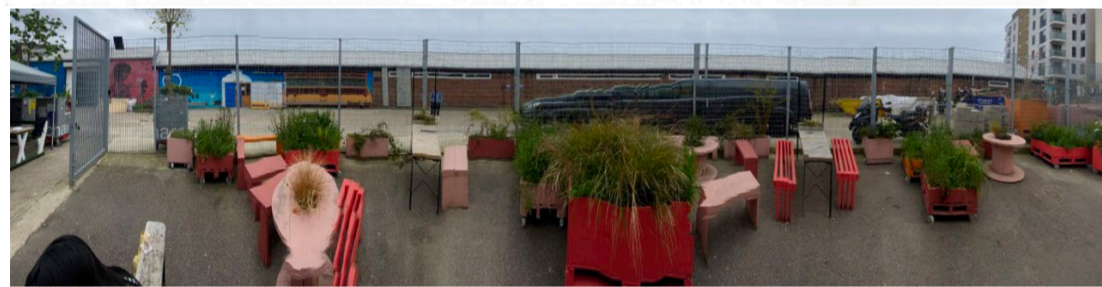
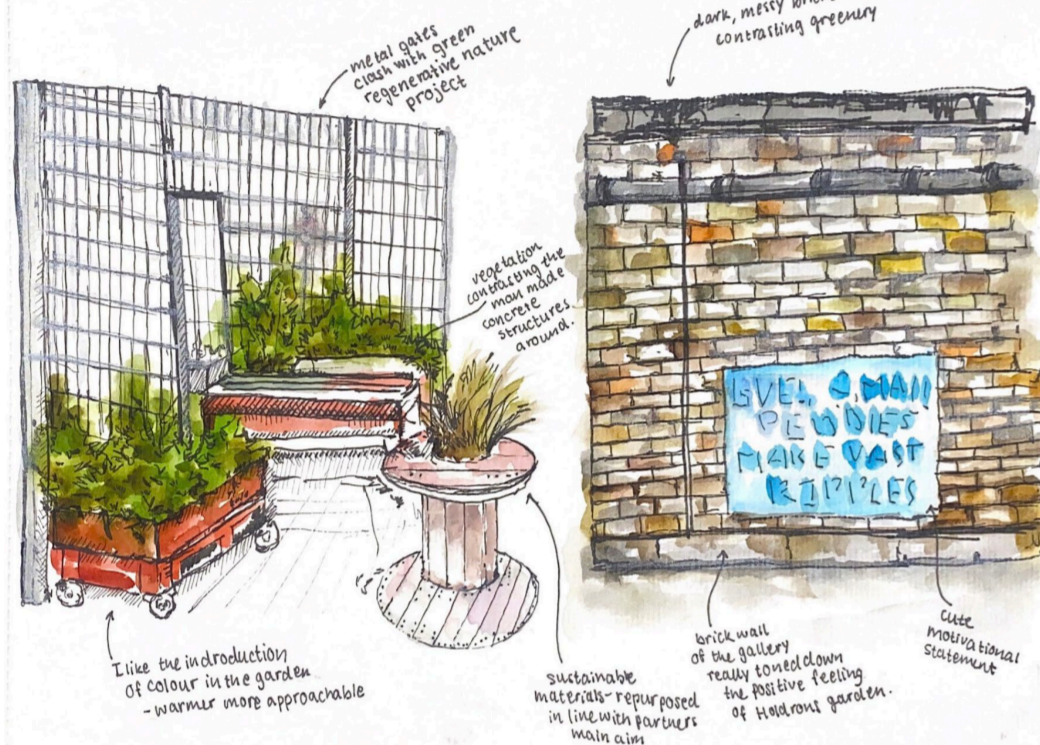
The Jolly Urban Forest



Primary, secondary research and observation on childrens' behaviour and what they are intrigued by:



Discovery of missed opportunities - a play with existing elements.



WHAT?

The Jolly Urban Forest represents a site-specific, sensory, entertainment and creativity centre, consisting of an interactive tree and bush houses, an activity bridge and ceramic crafts stations targeting young children alongside other visitors. It is built from recyclable wooden pallets supplied by partners and businesses in the area as well as repurposed waste ceramics and tiles contributed by local residents and visitors to create mosaics and engage the broader community.

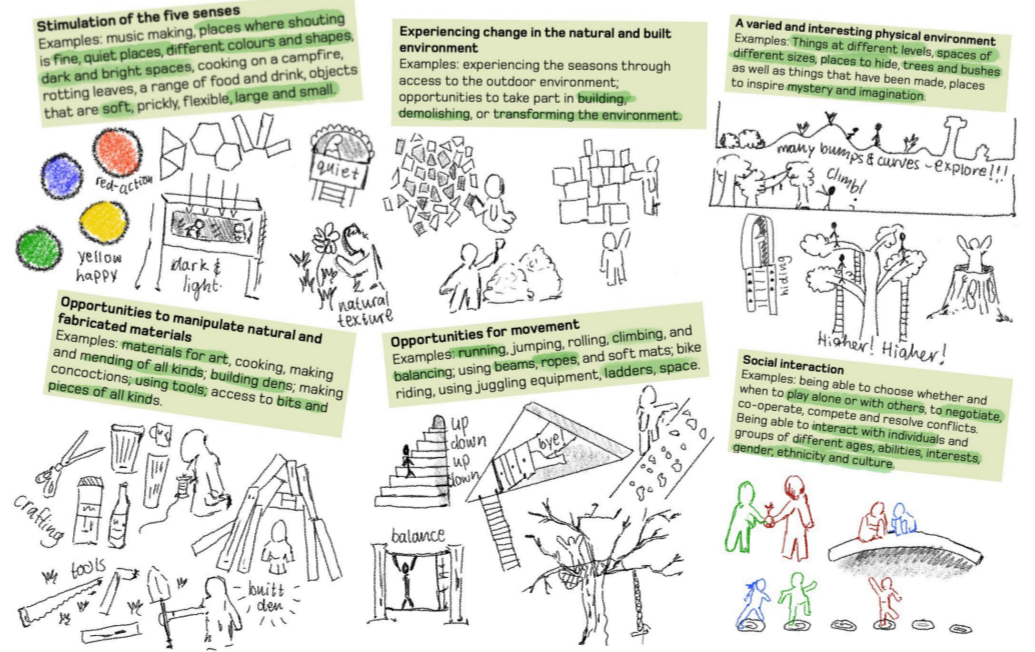
WHY?

Education about environmental sustainability and community engagement should start from an early age so young people are aware of the importance of living in unison with nature and protecting it. Therefore, the design proposal aims to create an environment that promotes the well-being of children and their connection with nature, educating them in a playful and creative way to cherish and respect trees and other finite resources which are essential for climate change mitigation and adaptation. The expanded activities will further improve social interaction and inspire people to feel ownership through community engagement.

HOW?

By enhancing the existing structures of the site and including new elements to provide activities that will directly involve children, adults and businesses in recycling, reusing and repurposing of waste materials.

Criteria for an enriched play environment



Listen, Inform and Respect the public

Design Vision in threads



TREES AND CLIMATE CHANGE

Trees play a crucial role in mitigating climate change and its impacts. They sequester carbon, produce oxygen, cool the environment, support biodiversity, protect soil and water resources, promote sustainable land use and provide significant socio-economic benefits.

Material Statement

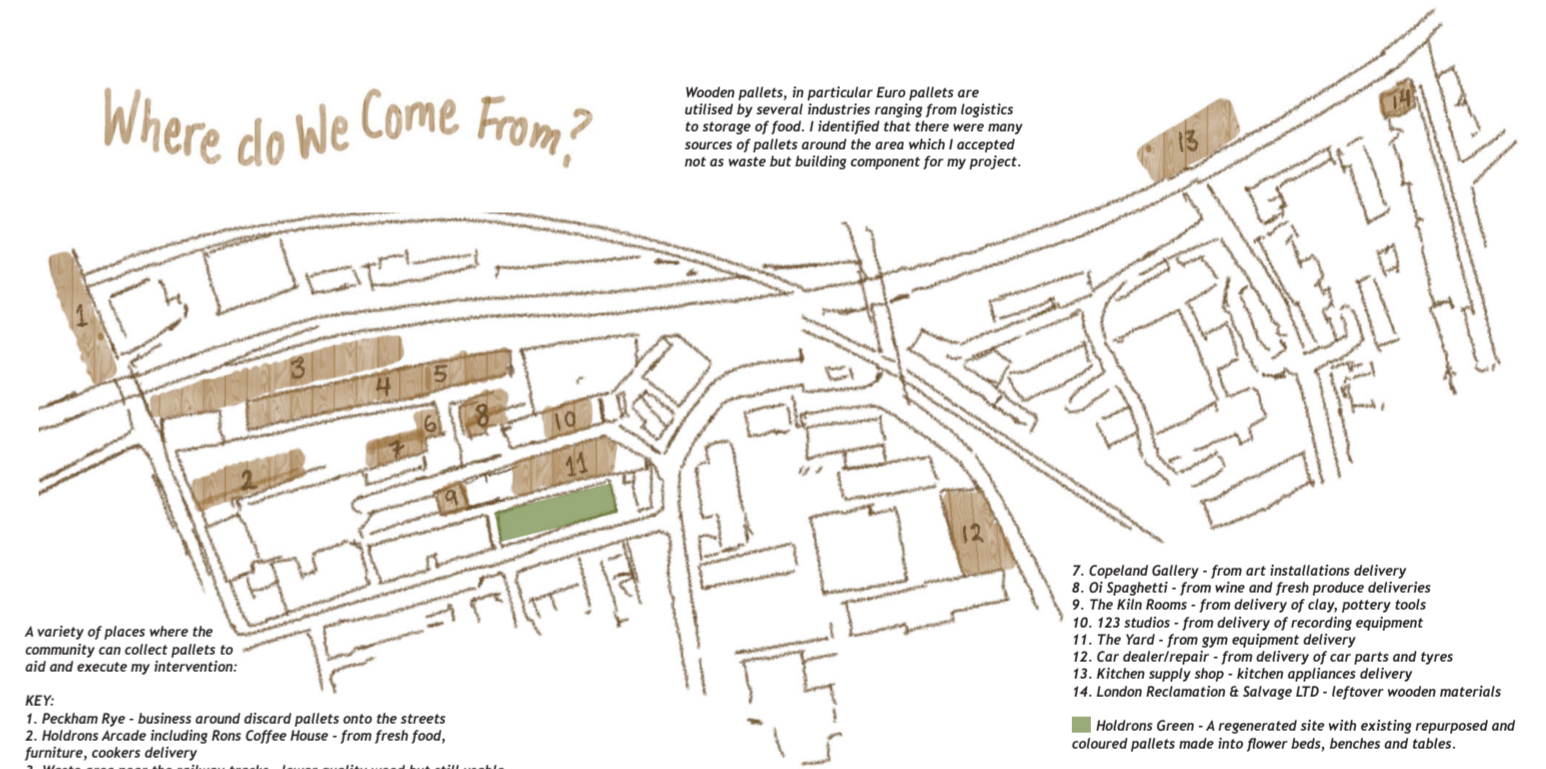
“Recycling Saves 43.5 Million Trees Every Year”

Every year, the production of 450 million wooden pallets consumes a staggering 87 million logs of fresh wood. Considering that two logs are needed per tree, the environmental impact becomes apparent. However, the positive impact of recycling comes into play as 350 million pallets are annually recycled. This recycling effort translates to a significant saving of 43.5 million trees each year. Thus, recycling and repurposing wooden pallets plays a crucial role in preserving our forests and reducing the demand for fresh wood (Associated Pallets Ltd, 2018).

Source: Associated Pallets Ltd (2018). Associated Pallets. [online] Associated Pallets. Available at: <https://associated-pallets.co.uk/blog/environmental-impact-recycling-wooden-pallets/> [Accessed 10 May 2023].

Where do We Come From?

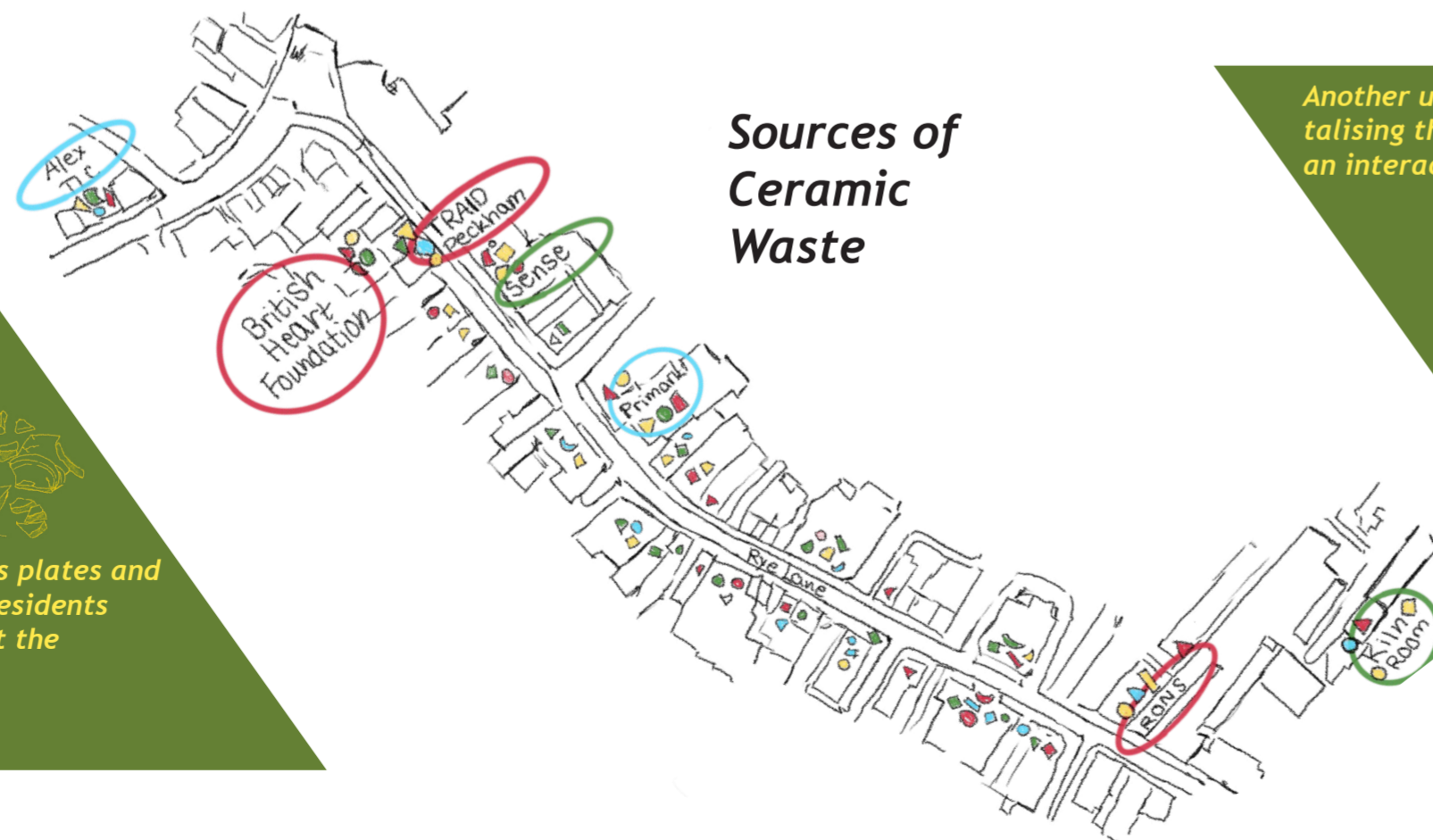
Wooden pallets, in particular Euro pallets are utilised by several industries ranging from logistics to storage of food. I identified that there were many sources of pallets around the area which I accepted not as waste but building component for my project.



A variety of places where the community can collect pallets to aid and execute my intervention:

- KEY:
1. Peckham Rye - business around discard pallets onto the streets
 2. Holdrans Arcade including Rans Coffee House - from fresh food, furniture, cookers delivery
 3. Waste area near the railway tracks - lower quality wood but still usable
 4. Rooftop Film club - delivery of fake grass, decorations, furniture and
 5. Bussey's Rooftop Bar - from fresh goods, glassware, ceramic plates, furniture delivery
 6. Social - from fresh goods, furniture, bricks, plants and vegetation
 7. Copeland Gallery - from art installations delivery
 8. Ol Spaghetti - from wine and fresh produce deliveries
 9. The Kiln Rooms - from delivery of clay, pottery tools
 10. 123 studios - from delivery of recording equipment
 11. The Yard - from gym equipment delivery
 12. Car dealer/repair - from delivery of car parts and tyres
 13. Kitchen supply shop - kitchen appliances delivery
 14. London Reclamation & Salvage LTD - leftover wooden materials

Holdrans Green - A regenerated site with existing repurposed and coloured pallets made into flower beds, benches and tables.



Sources of Ceramic Waste

Another use of the ceramic broken pieces - enhancing and debrutalising the brick wall with mosaic designs of natural elements - an interactive, creative and fun ongoing activity for the visitors



Inspired by the fusion of natural forms recreated with ceramic mosaic in Park Güell by Gaudi.

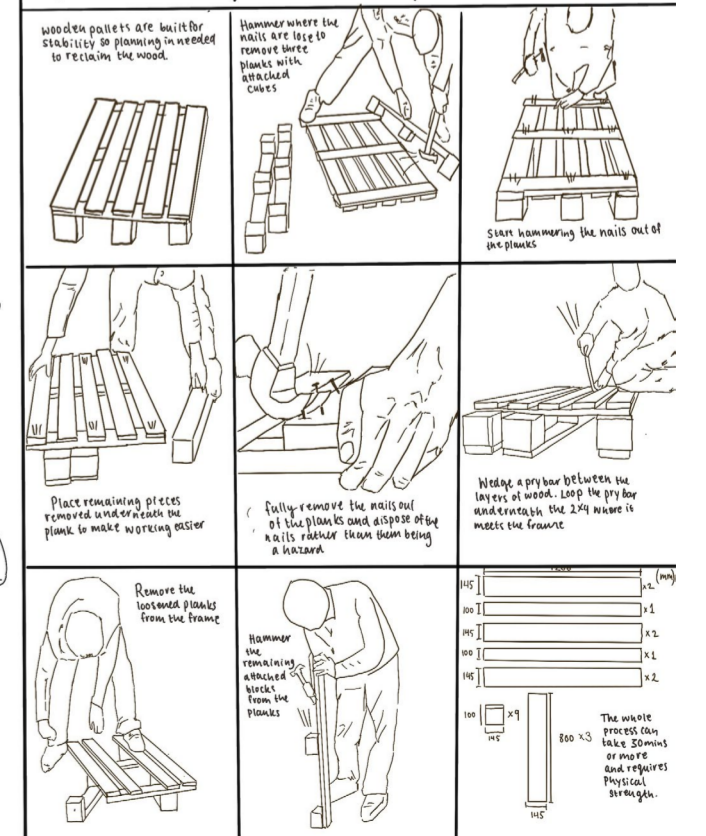


Repurposing of broken ceramics such as plates and cups contributed by businesses, local residents and visitors to make mosaic collages at the creativity station.

Minimal Tools Needed

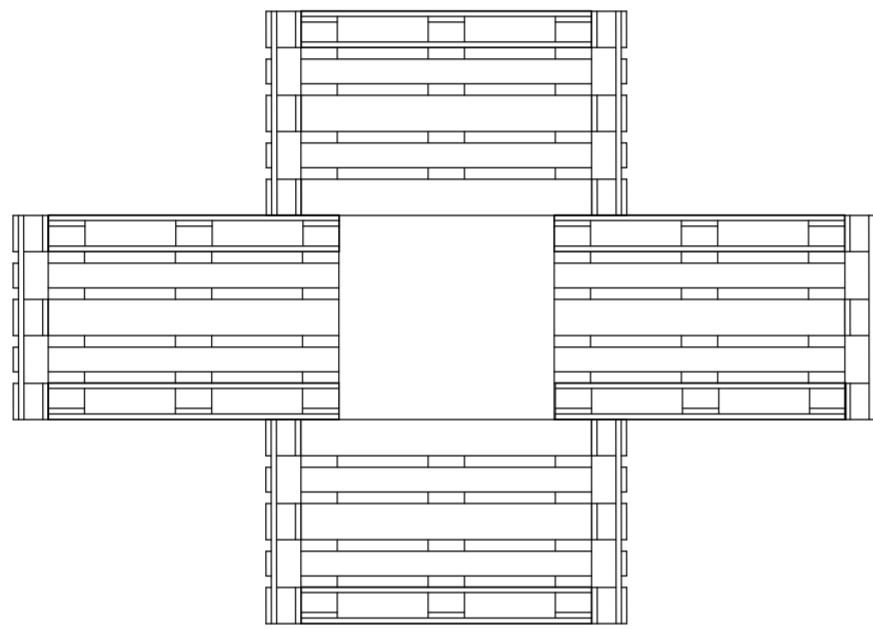
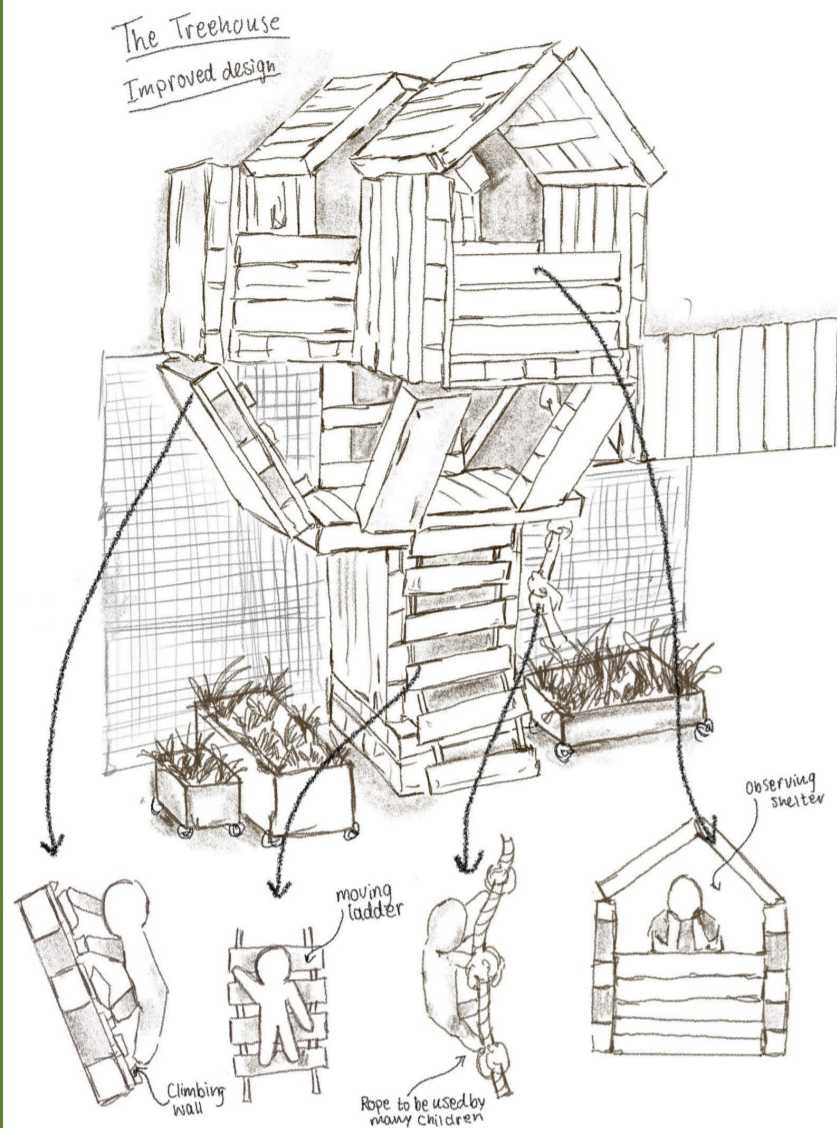


How the community can dismantle pallets



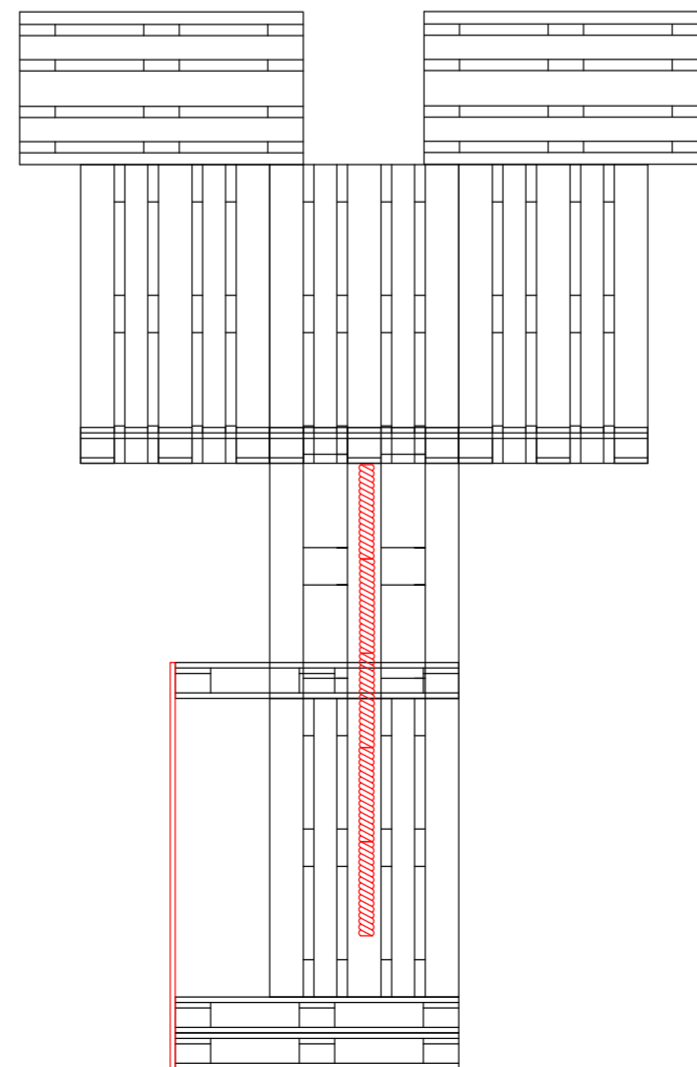
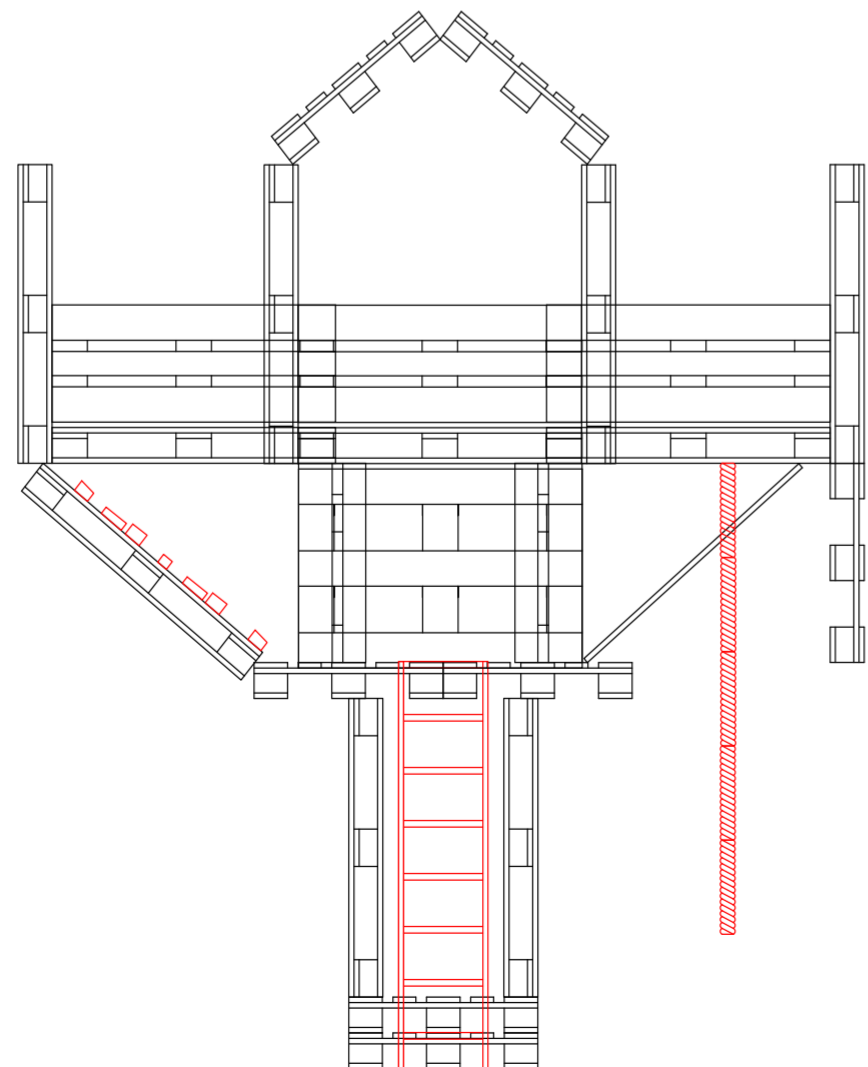
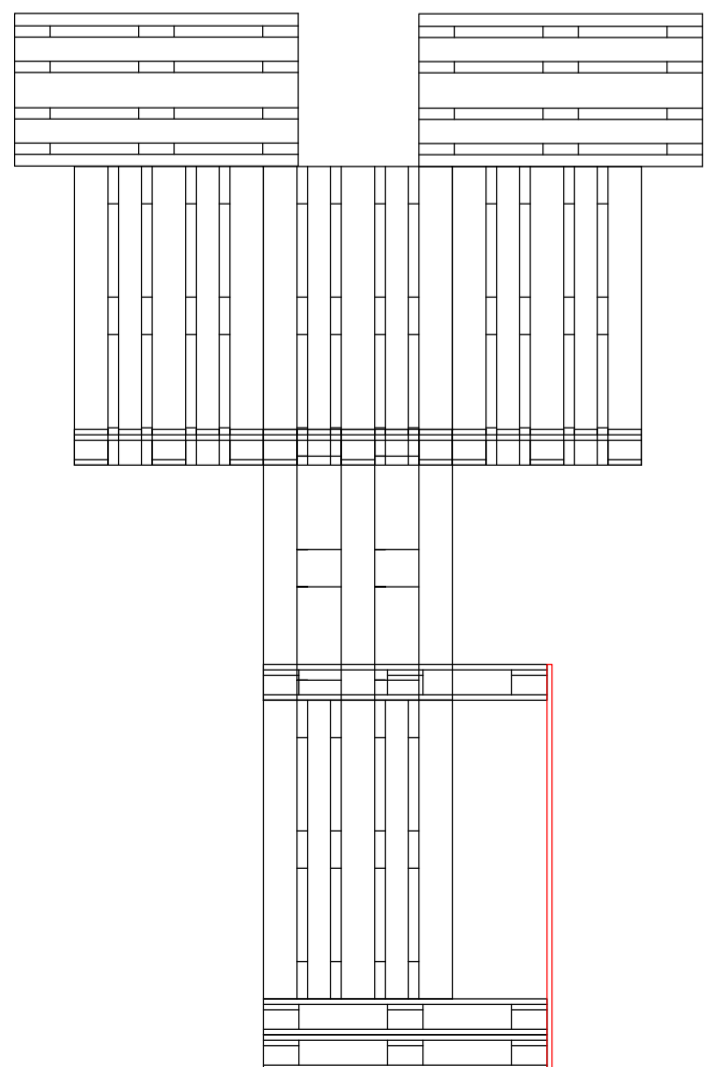
The Treehouse

Made from repurposed pallets from businesses (social and environmental sustainability). It will engage the more extroverted and active kids, embrace and enhance the fence, to soften and debrutalise it.



Extroverted Play

Intervention plan and elevations of main elements



GREEN COLOUR
 Resembles the lush crown of the tree. Symbolises growth, balance and renewal and represents hope for a better future. Stimulates in children a sense of peace and security.

BROWN COLOUR
 Mimics the trunk of the tree and is associated with the earth and soil, connecting children with nature. It also evokes in them a sense of stability and interacting.

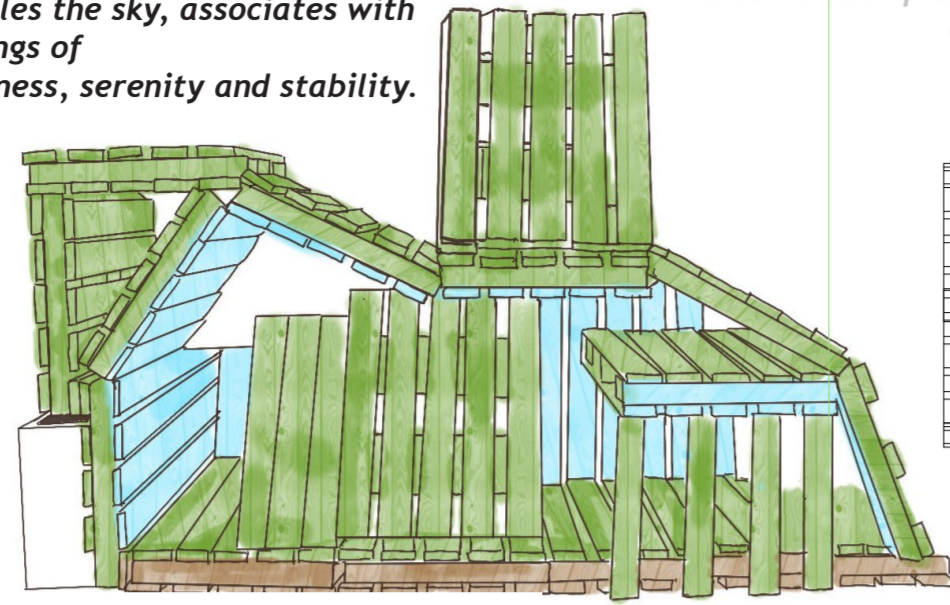


1:20 3-D model constructed from hand made wooden pallets from recycled and repurposed bamboo sticks and foam-board.

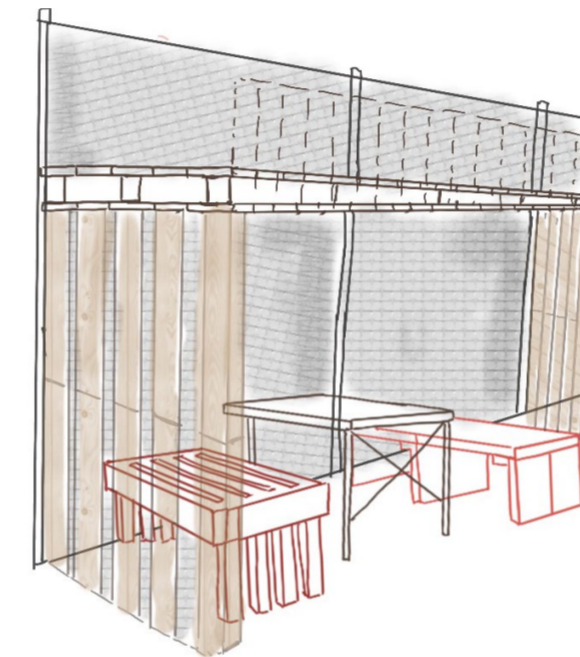
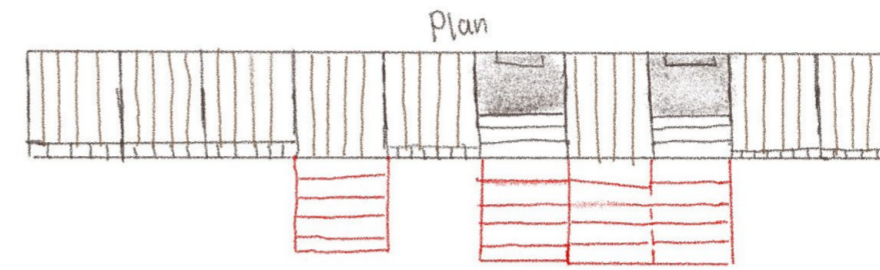
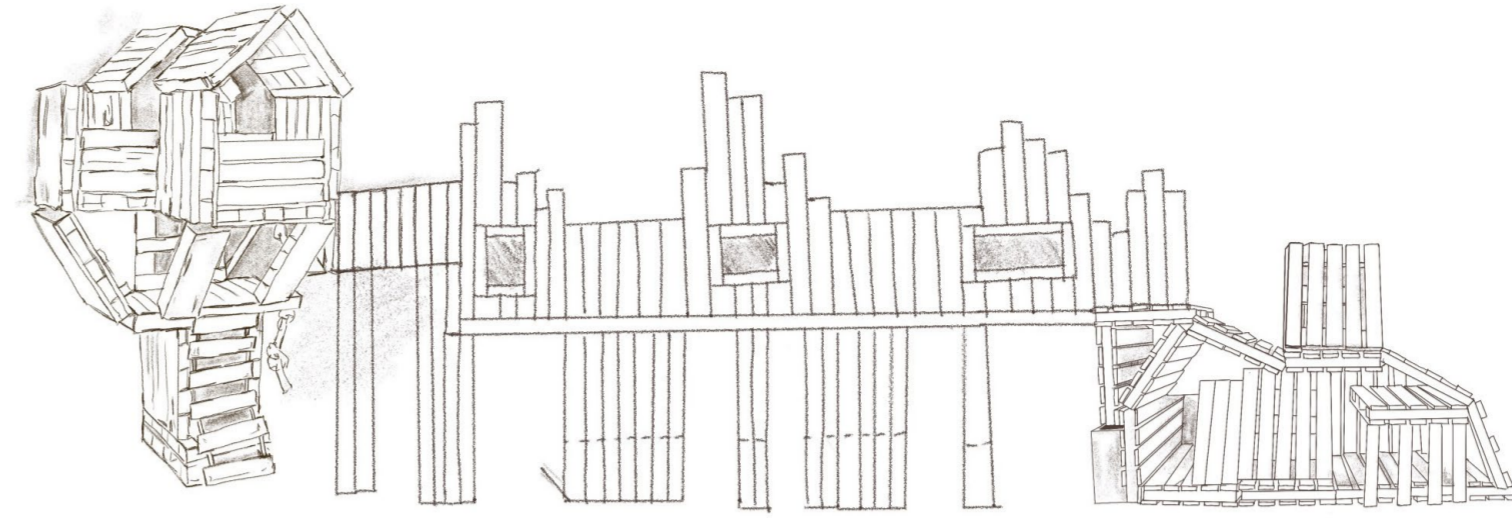
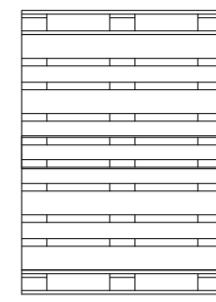
The Bush house

A lower construction, safer for smaller kids, specially designed with a variety of spaces for shy and introverted children. Small mysterious spaces like attics, cellars etc are full of mystery and are often forbidden to go to which encourage inventive play and different moods:
 - imaginative nurturing spaces
 - places to lay down, sit and hide activating different senses

The addition of blue colour resembles the sky, associates with feelings of calmness, serenity and stability.



Intervention plan and elevations of main elements



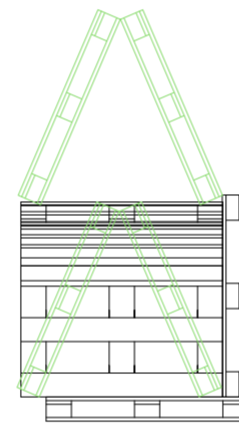
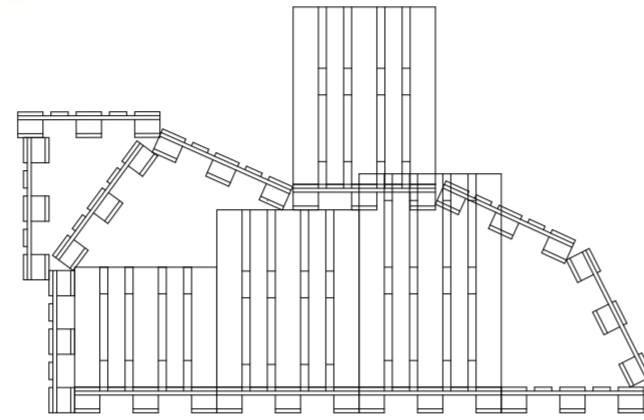
Vertical pallets supporting the bridge and creating privacy for quiet activities such as reading, listening to music, crafting.

The Bridge

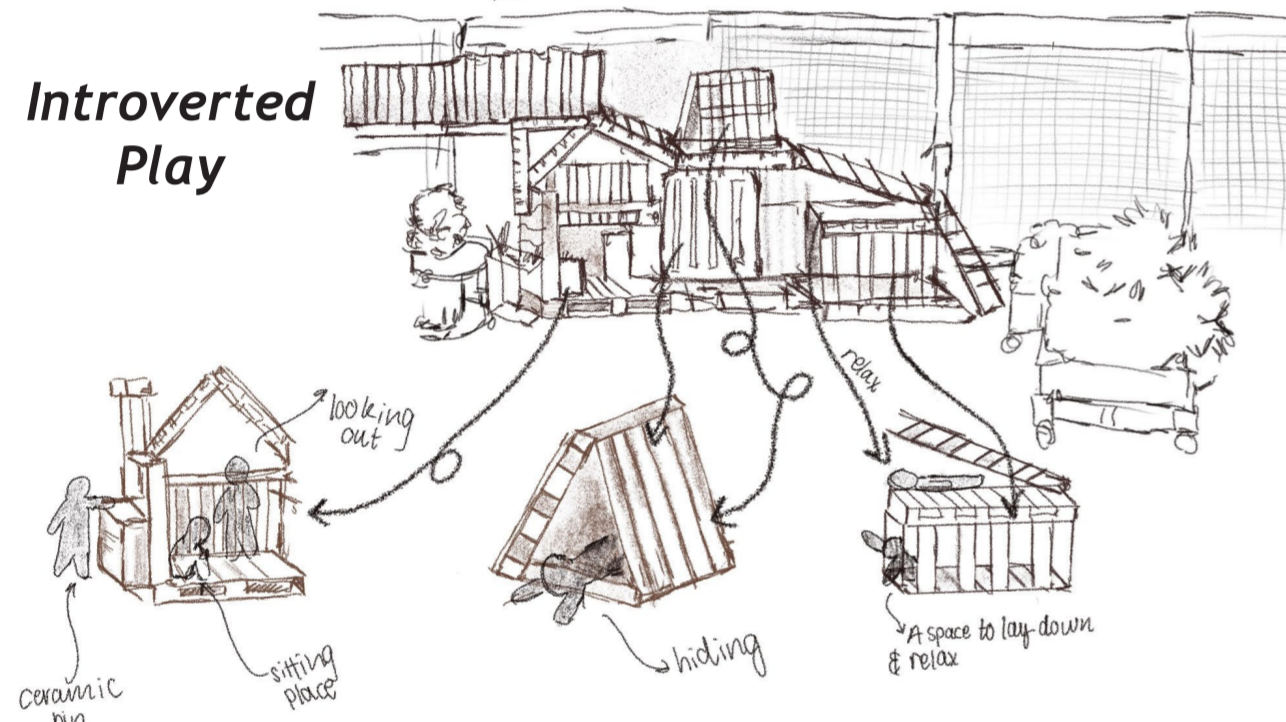
connecting the treehouse and the bush house to avoid isolation and discrimination among the children. Symbolises the diversity of people living together and helping to create a better life and sustainable future.



1:20 3-D model



Introverted Play



Perspective model photograph of the bridge in 1:20 with the mosaic collage on the brick wall in the background.



The three structures brought to life in an immersive and dynamic collage

The added yellow colour brings feelings of joy, happiness and optimism to children for a hopeful and colourful future.



The Jolly Urban Forest



- KEY:
- 1. Treehouse
 - 2. Bridge
 - 3. Privacy Walls
 - 4. Creativity Station
 - 5. Bush house

Elevation

