The Old Town Cave Gafe



The Mitchell Mill, also known as the Old Town Mill, located in Old Town, Hebden Bridge, HX7 8SW, is undergoing a redevelopment for new residential spaces for the people of Hebden Bridge. The South- East side of the 1851 Mill and the courtyard buildings have been reimagined into a Vegan Café.

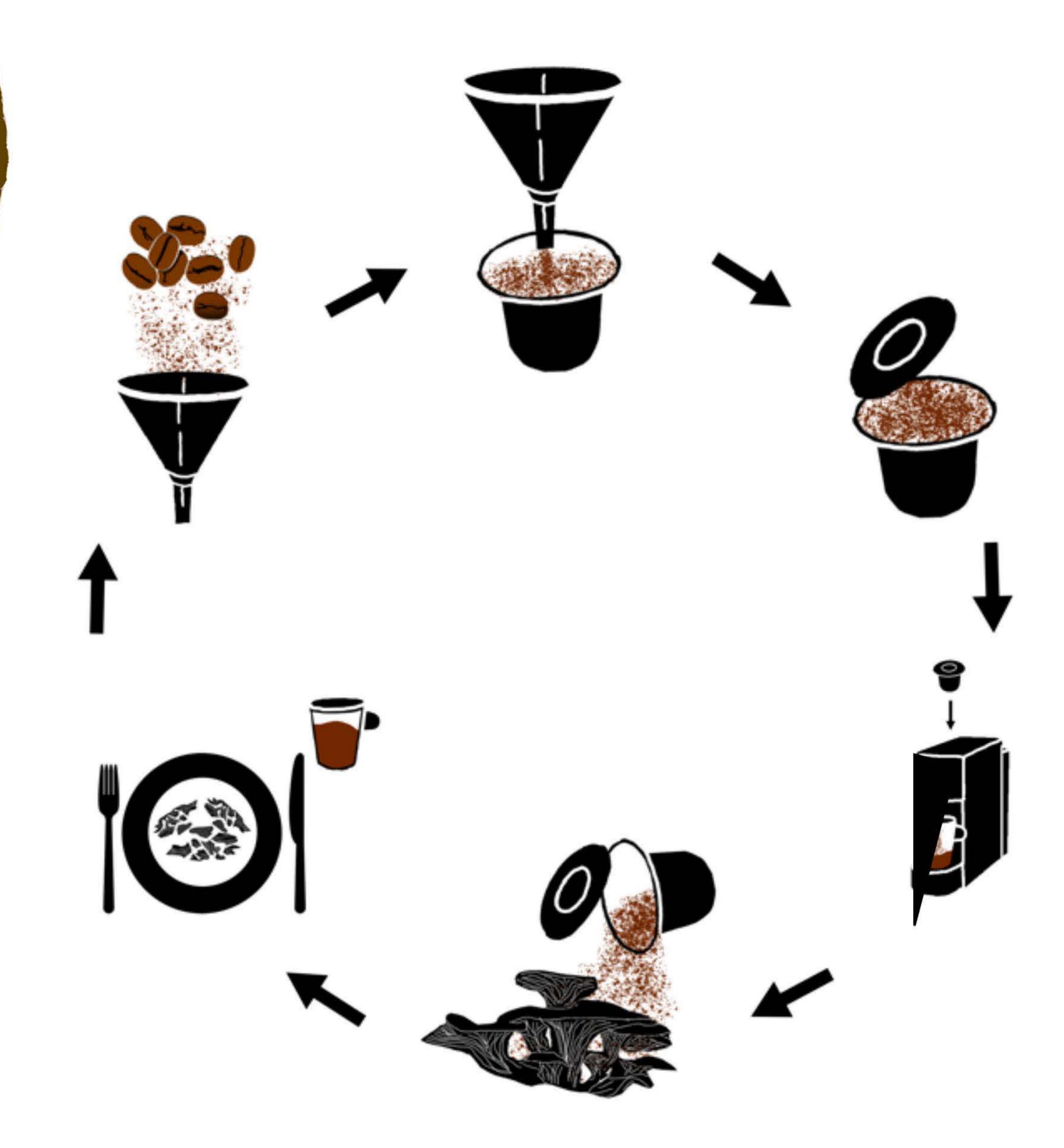
The project has redesigned these buildings of the mill using sustainable solutions and materials to create an environmentally-friendly space where locals can bring the community together.

The Mitchell Mill is situated up the valley of Hebden Bridge looking over the town down below. The complex already includes some residential dwellings to give these grade II listed buildings a new lease of life and help push business up the valley, so locals can get out of the town centre and enjoy the countryside views from above.

The Café design focuses on the key properties to helping the business run, mushrooms and coffee. Composting used Coffee with a small dose of mycelium is a brilliant way for growing mushrooms. It's a prime example of the green principle, reduse, re-use, recycle, that customers can take away with them and use to grow their own mushrooms. This educational use of the building will make people think about cutting down on waste in their homes and play their own part in helping the environment.

Coffee and snacks will be the main attraction to the building but the café is a multi-purpose space which utilises other facilities to make the journey worthwhile for visitors. For example, there is a coffee flavouring space that offers a new experience for patrons to customise their own coffee to take home and share their visit to Mitchell Mill with family and friends.

The final design for this vegan café shows show off a new stylish approach to the site by redeveloping parts of the exterior as well as the interior space. Sustainable materials showcased throughout the new development support the message of the Vegan Café: Less waste means less land- fill, energy consumption, and less impact on the environment.

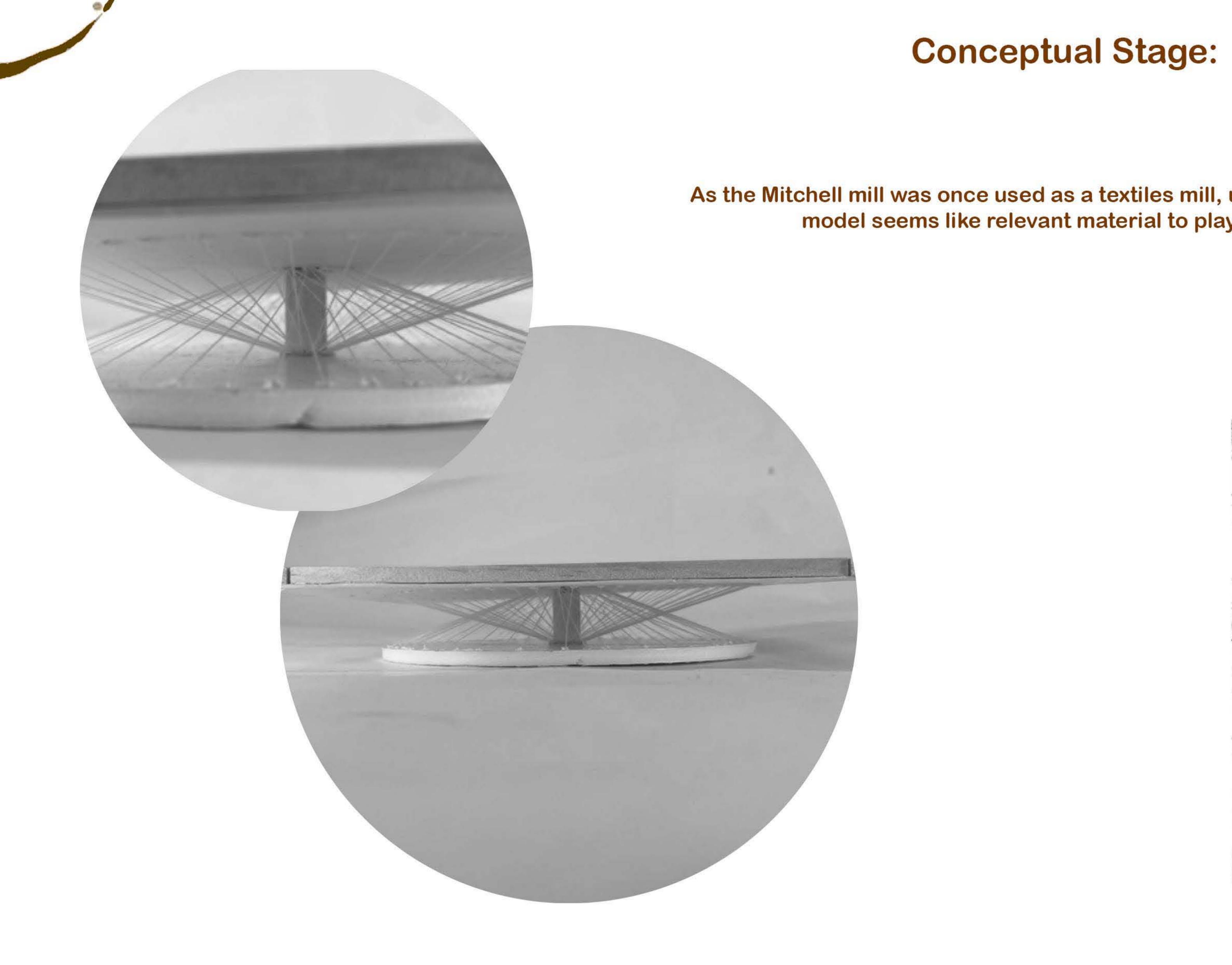




This mood board is used to display the Colour palette for the Old Town Cave Café.

A lot of the shapes and forms in the design is inspired by mushrooms and coffee stains. Because of this the colour palette is filled with earthy colours like different shades of greys and browns.

These sorts of colours fit nicely together with the existing exposed red brick walls that will maintain the old mills original character, blending the new with the old.



As the Mitchell mill was once used as a textiles mill, using string in a concept model seems like relevant material to play around with.

Section A - Ground Floor

The ground floor has a large open plan with string room dividers that help separate people transitioning from spaces with the seating areas.

For the main café area, a balance between naturally lit spaces and darker spaces has been made to satisfy different groups of people in the social areas. The open plan and outdoor seating spaces can host livelier and louder activities. The dark spaces, such as the mushroom seating booths, are there for those looking for a more private, intimate space.

A courtyard to the back of the building is sectioned off from the rest of the café. This provides a garden space for the kitchen staff to grow veg and a new scenic access point for residents to pass through to their homes.

- 1. Entrance
- 2. Coffee Bar
- 3. Seating area
- 4. Coffee flavouring facility
- 5. Mushroom Cave
- 6. Kitchen
- 7. Garden veg planters
- 8. Outdoor seating area
- 9. Passage past the Mushroom Cave 10. Access point to residential space

SCALE BAR 1:50

11. Toilets





View from perspective point: 10

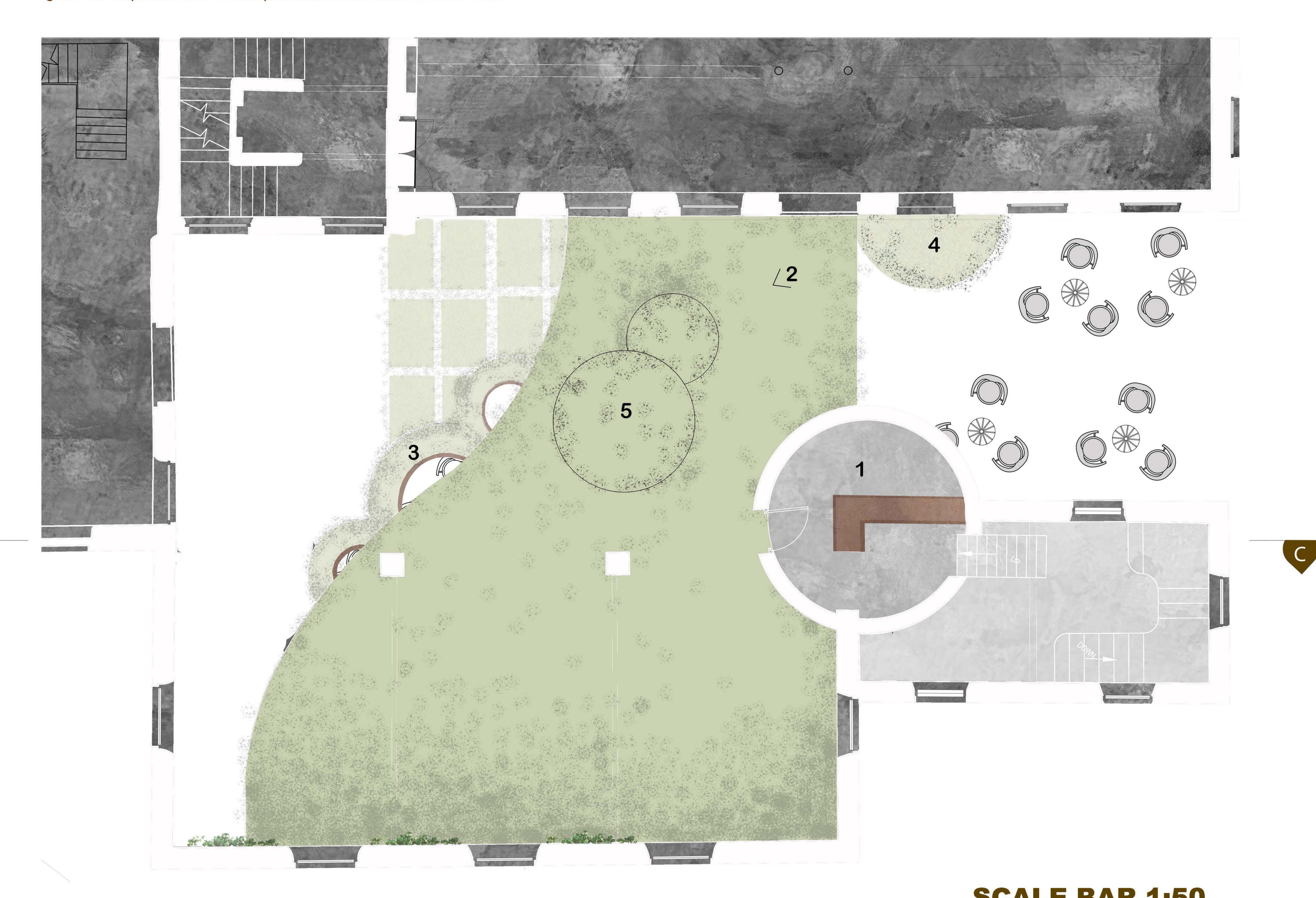


View from perspective point: 9



The 1st floor has been converted into a green roof that acts as an insulating layer on top of the roof as the soils and plants create a thermal mass. This thick layer of mass absorbs heat and sound, retaining it within it's soil in winter. This is a sustainable solution to heating up a space as it saves costs on heating bills and creates a positive impact on the environment, providing a place for insects, birds, wildlife and other plants to breed and germinate. In summer, the vegetation reflects the heat instead of absorbing it, so the moisture evaporates, cooling the interior of the space. The green roof helps the interior of the space cool in summer and warm in winter.

- 1. Mushroom Pod Storage unit
- 2. Green roof
- Sedum tray roof to Mushroom Pod seating booths
 Sedum tray roof to courtyard entrance
 Green Roof on top of clear story skylight





Section C - Elevation

There are mushroom pods around the building that appear like they are growing out the exterior. These pods are used as seating booths on the ground floor and a storage unit on the first floor. These pods have been designed to connect the visitors with nature through their mushroom like forms and link the appearance with the functions of the café.





