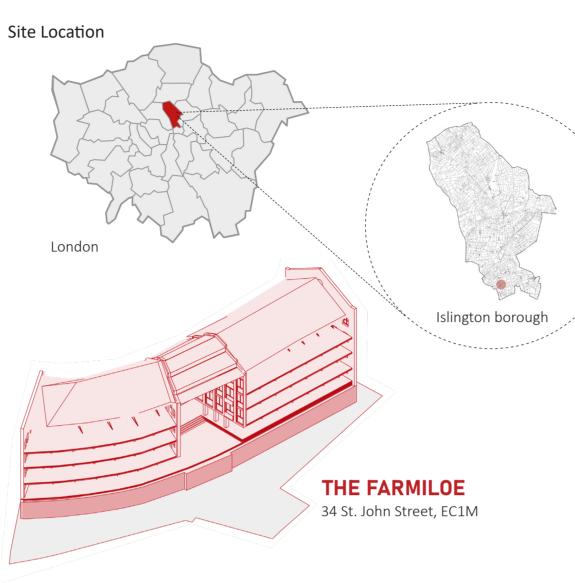
BIO MADE

BIO TEXTILES DESIGN CENTER I EXHIBITION SPACE

The textile industry is one of the most polluting in the world, accounting for 10% of global CO2 emissions. The majority of our garments are made in underdeveloped countries where environmental laws are weak or non-existent. Conventional manufacturing methods are highly toxic and harmful to human health and the environment.

Bio-design has the potential to change the way our clothes are sourced, produced, and consumed by incorporating living organisms to make biodegradable garments that require minimal raw materials, toxins or water. Its development is crucial for expanding its applications beyond fashion to other sectors such as architecture, medical, etc.

BIO MADE aims to foster innovation, raise awareness, and promote sustainability. The redevelopment of the Farmiloe building, includes exhibition spaces, a pop-up shop, and accessible facilities for the creative industries, comprised of studios, workshops, and laboratories.



THE ENVIRONMENTAL IMPACT OF FASHION



RESOURCES

5 trillion liters of water are used by the fashion industry each year.



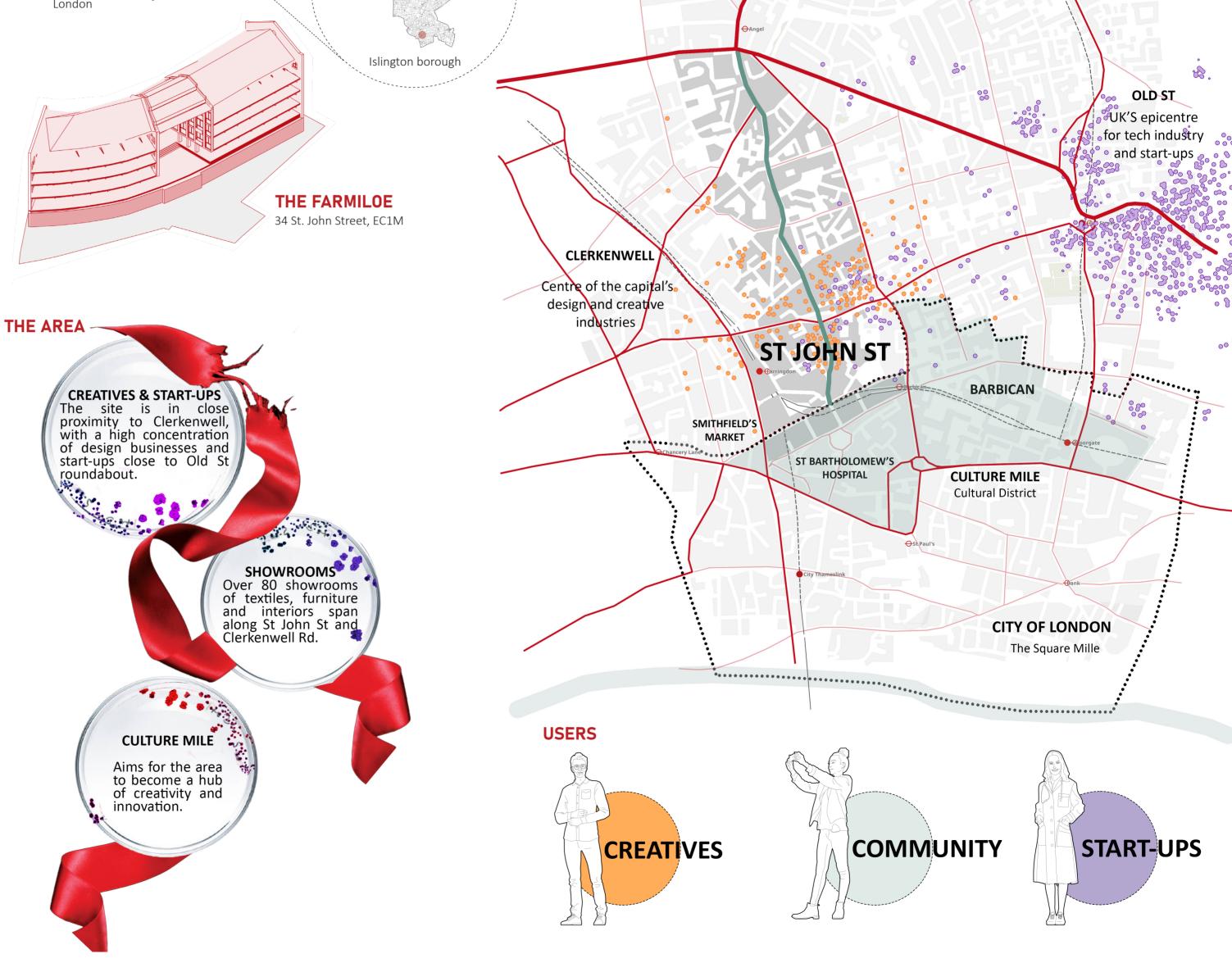
POLLUTION

Toxic chemicals are used in the manufacturing process, such as in fabric dyeing and treatments.



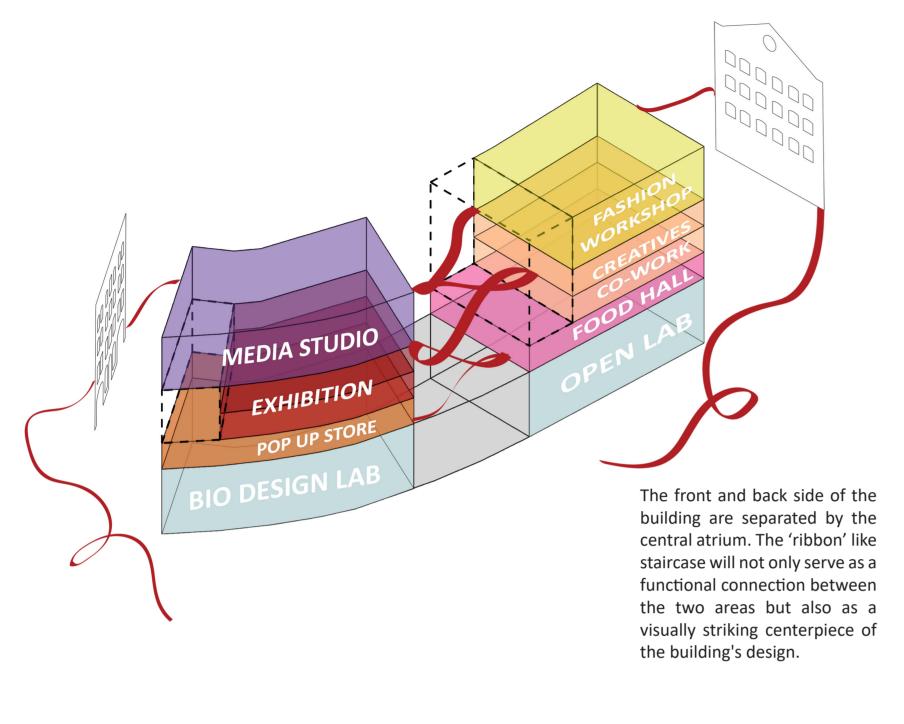
WASTE

Polyester, the most used fiber in garments takes up to 200 years to decompose.



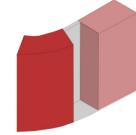
ISLINGTON

THE BUILDING



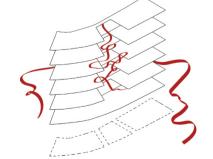


MASSING



The site is divided into three parts

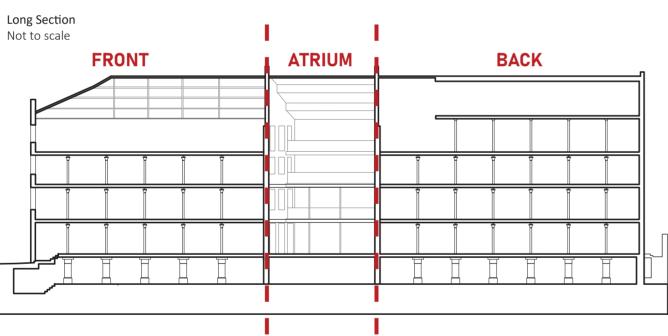
CONNECTED



BY A RIBBON



The Atrium - Internal Courtyard

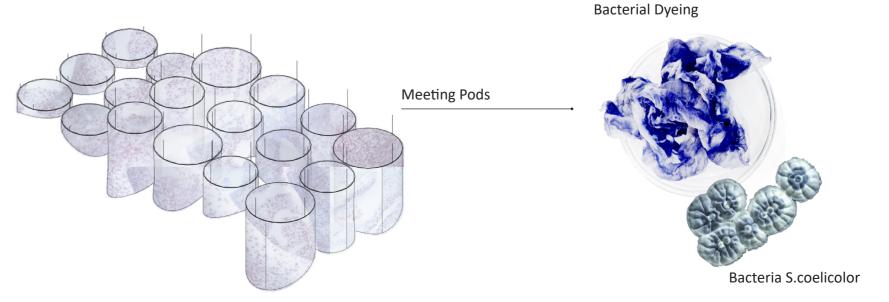






Working with microorganisms to address environmental issues and shift to sustainable means of production.

Bacteria S.coelicolor generates pigment molecules that can attach themselves to fibres without the use of chemicals.



Rey 1. Entrance 2. Pop-up shop 3. Food hall 4. Central atrium 5. Lifts 6. Fire exits



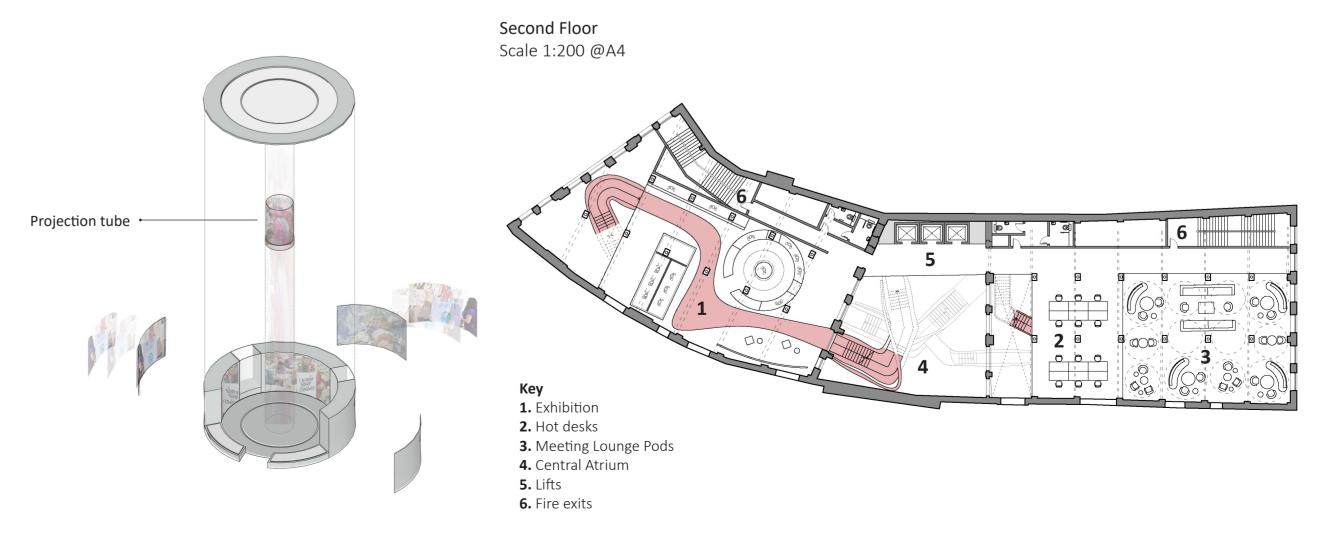
The ramped entrance features a bio fabric ceiling installation leading visitors into the central atrium.



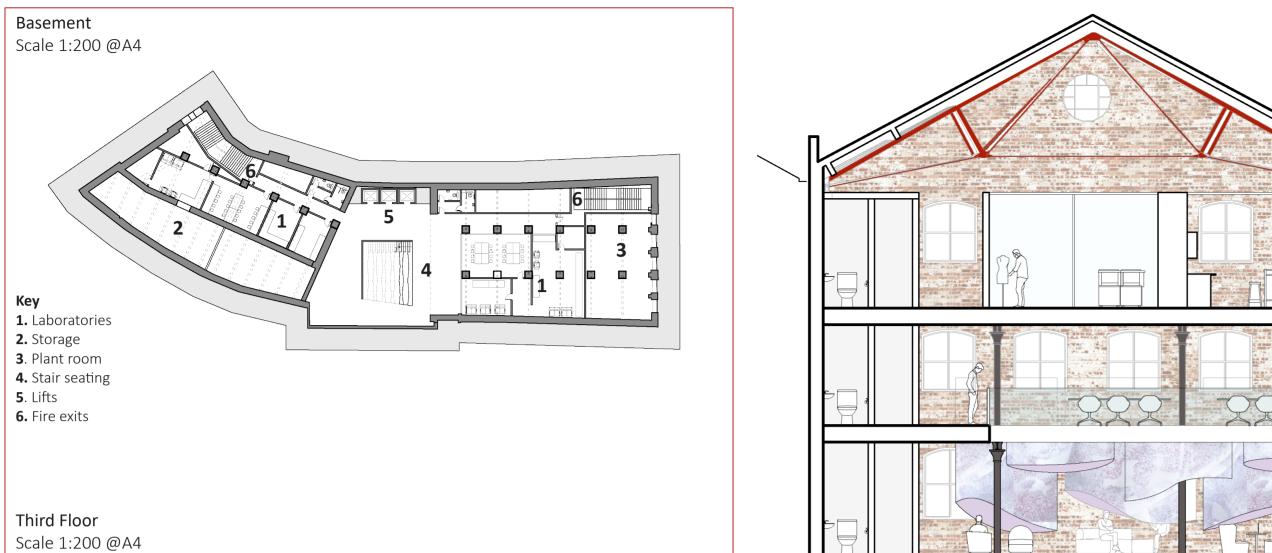
The pop-up shop is where bio garments produced in house are put on sale, appealing to the creative industries of the area.



Interactive displays raise awareness as visitors are encouraged to rethink their relationship with fashion and consider sustainable choices

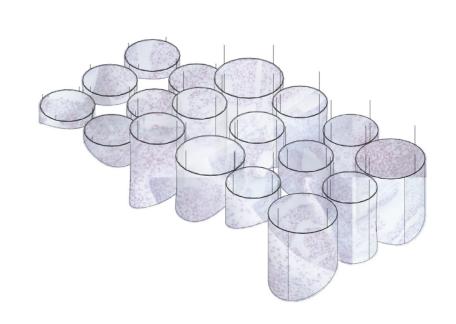


GROW LAB BIODESIGN FACILITIES





BM



Bio fabric meeting Pods



FASHION WORKSHOP

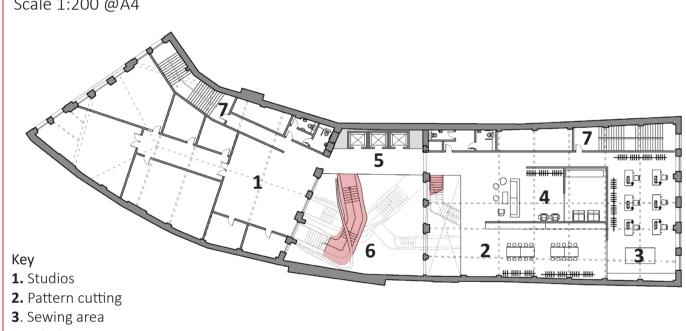


The shared facility is a dedicated space for designers to create, with areas for pattern cutting, printing, and sewing

BIO MEETING PODS



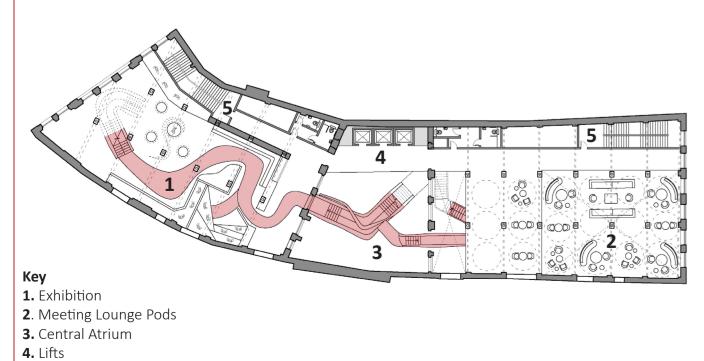
The fabric pods create zones within the space and give a sense of privacy to each meeting area.

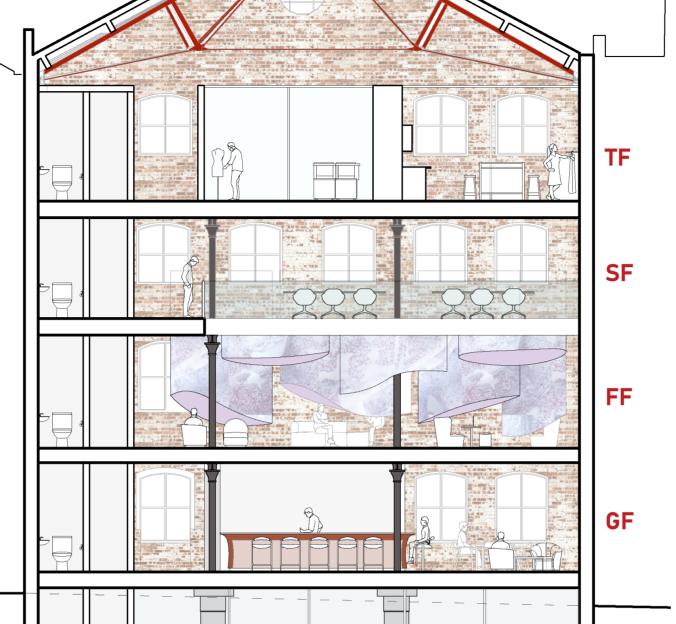


- **4.** Printing
- **5.** Lifts
- **6**.Central Atrium
- **7.** Fire exits

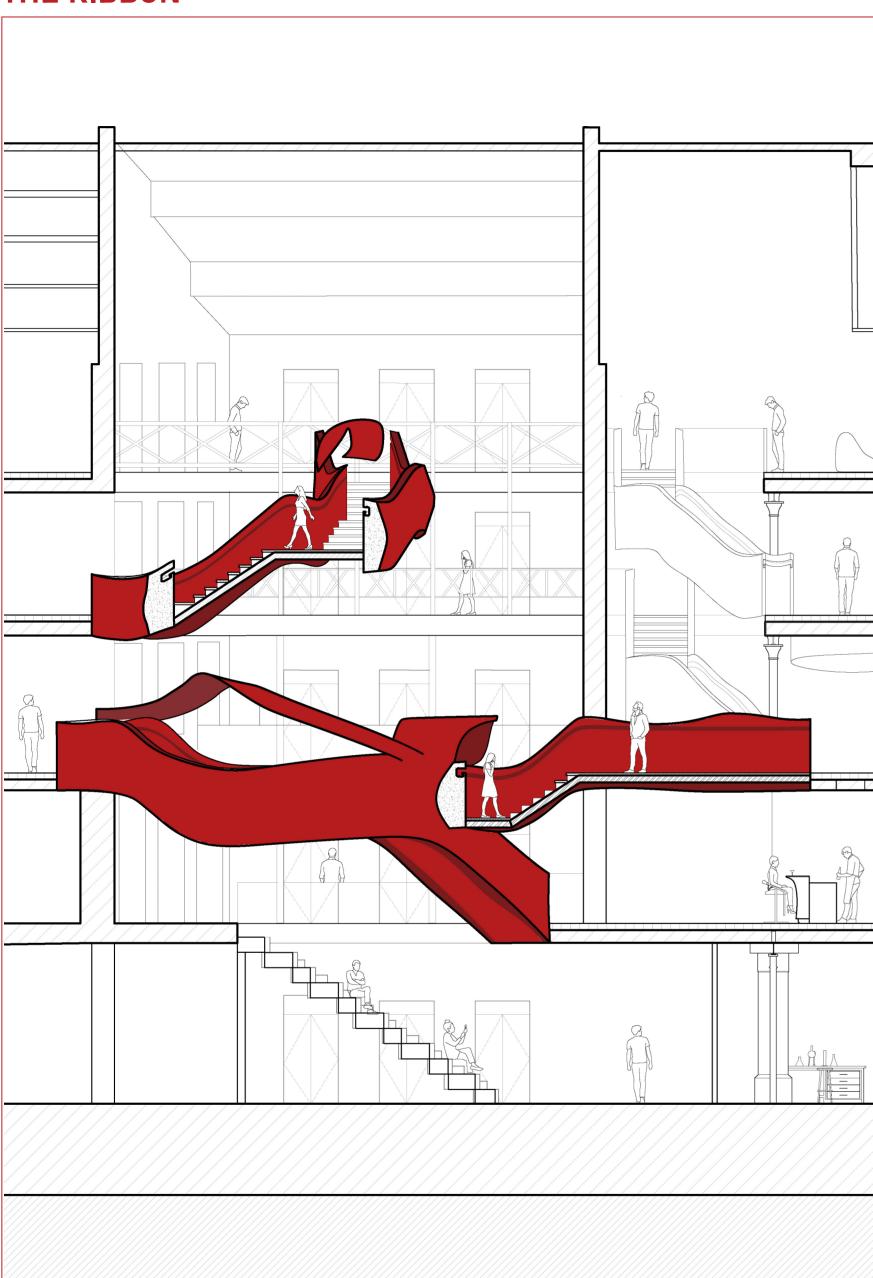
First Floor Scale 1:200 @A4

5. Fire exits



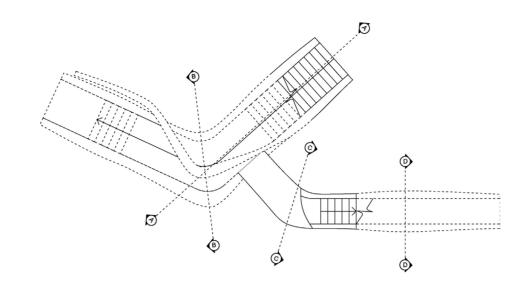


THE RIBBON



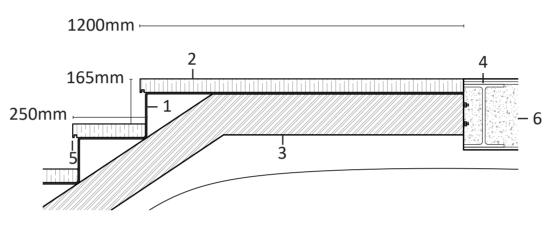
Section AA Detail Scale 1:50 @A3

Staircase Plan View Not to scale



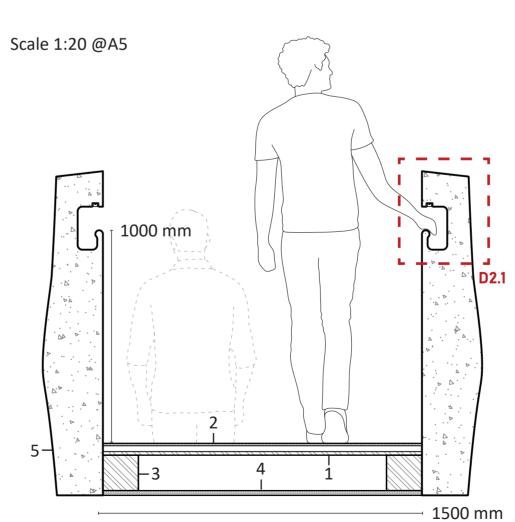
DETAILS

Scale 1:5 @A5



DETAIL 1. STAIR TO FLOOR SLAB CONNECTION

- 1. Welded steel sheet 12 mm
- 2. Steel tread 25 mm
- **3.** Tubular stringer 150mm
- 5. LED lighting below tread 10 mm
- 6. Floor slab

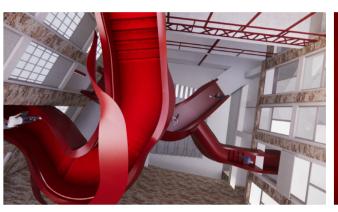


DETAIL 2. SECTION BB DETAIL

- 1. Welded steel sheet 12 mm
- 2. Steel tread 25 mm
- 3. Tubular stringer 150mm
- 4. LED screen
- 5. Concrete ballustrade



The 'ribbon' inspired staircases are located at the central atrium providing easy access between floors.



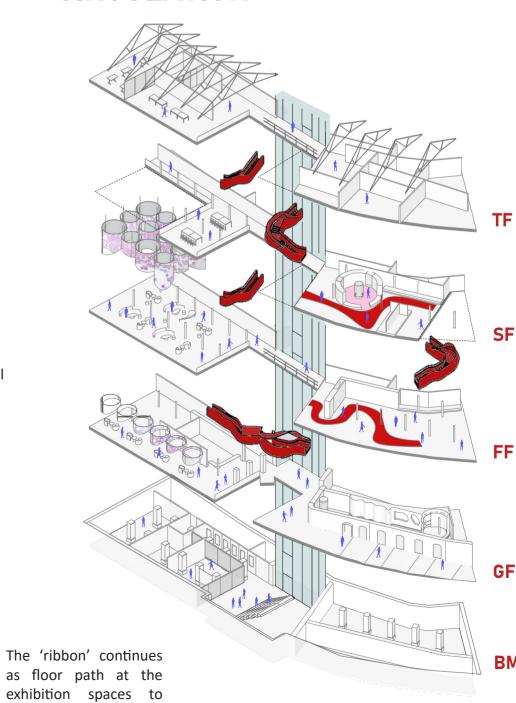


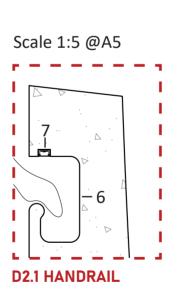
The central atrium's staircases overlay to connect The stair leading to biodesign facilities is partly covered both sides of the building.

guide the user's journey.

to discourage the public from taking the 'junction'.

CIRCULATION





6. Recessed handrail 50 mm