



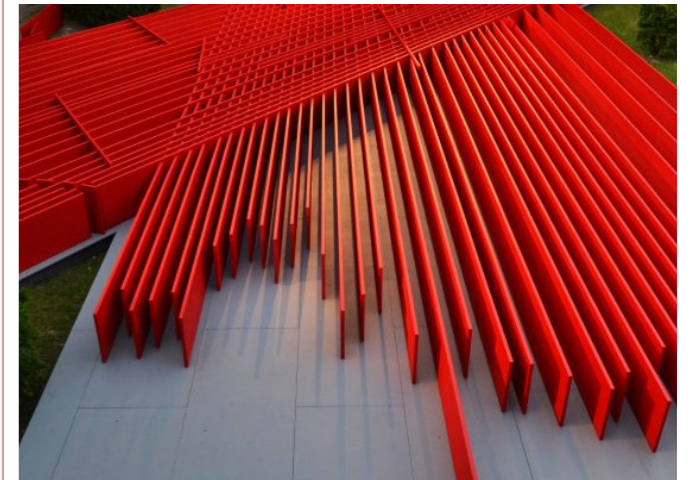
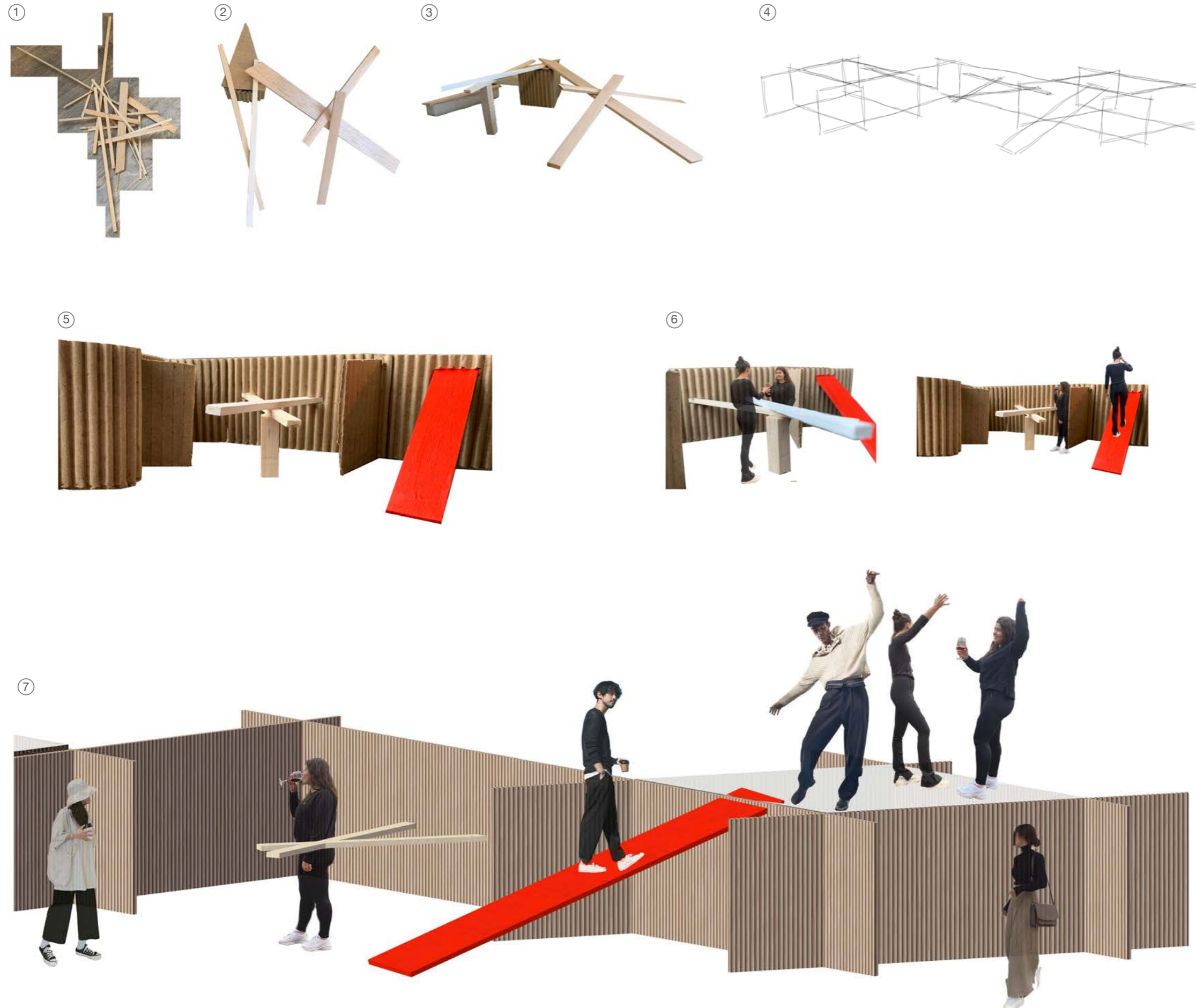
INCLUSIVE

SUSTAINABLE

DYNAMIC

INTERSECT

MOVEMENT



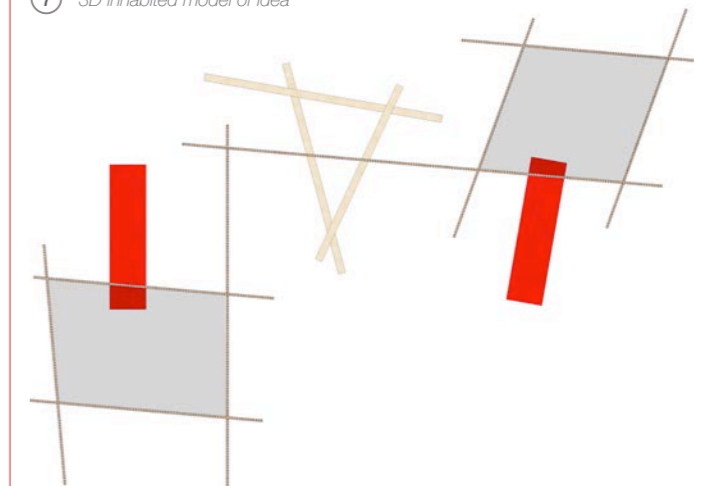
Precedent Study - *Intersecting Lines*
Future Flowers, Daniel Libeskind

Future Flowers is a series of red metal 'blades' that have been placed in a way so they intersect and remain connected.

For my design I started off with a very abstract pile of dowels placed at random and slowly found shapes within it where the dowels intersected. I developed this idea by taking the intersecting lines and giving them a use. As well as upholding the principle of connectivity from my precedent.

The materiality I chose to use was similar to that of my physical model as I liked the look of the re purposed materials. I extended all of my lines outwards in order to retain the chance like aspect from my first model.

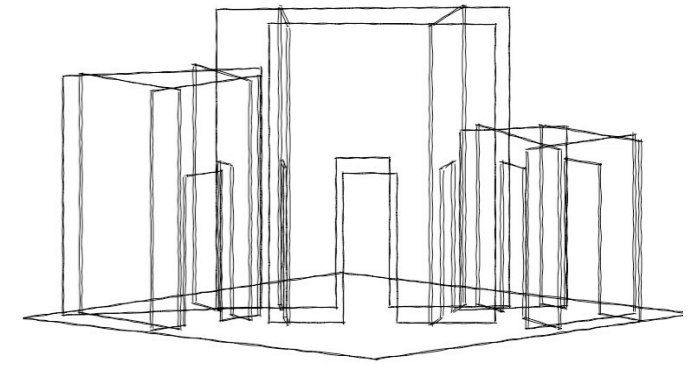
- ① Experimenting with sticks thrown into a pile and finding shapes within it
- ② Creating shapes with dowels to reflect initial model shapes that intersect
- ③ Exploring how to use dowels to create a functional space
- ④ Sketch of idea for drinking space
- ⑤ Physical model @ 1:20 showing a space to drink
- ⑥ Inhabited physical model @ 1:20 showing how space would be used
- ⑦ 3D inhabited model of idea



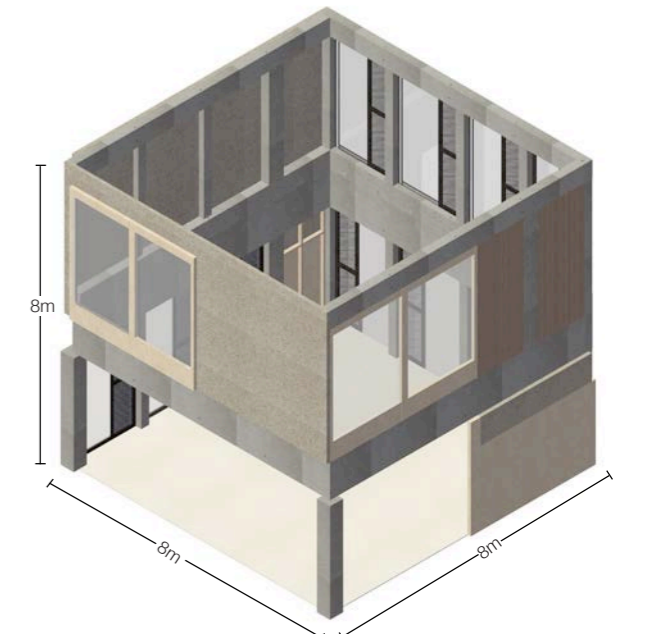
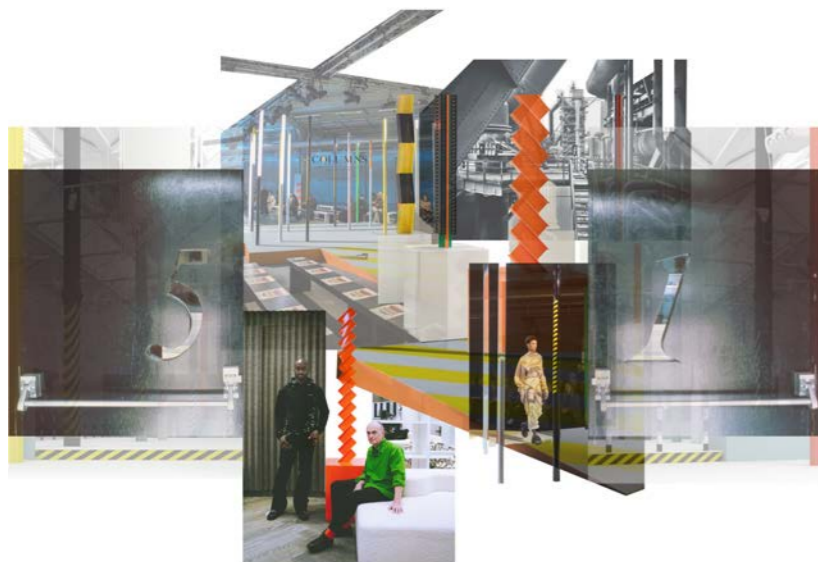
Plan of 3D model showing materiality and how the lines intersect



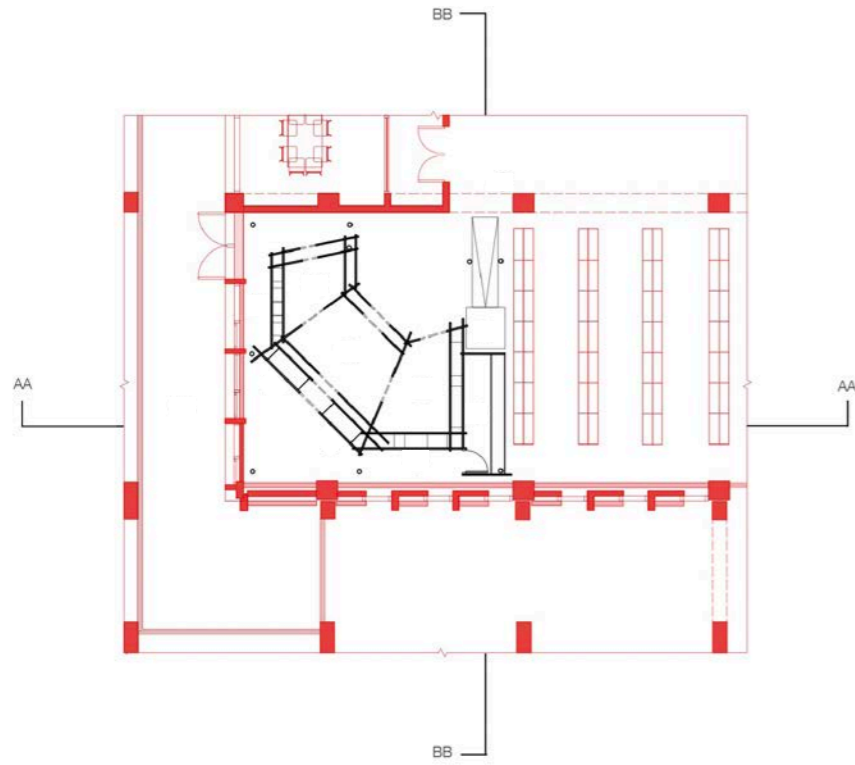
Multiply , Waugh Thistleton Architects



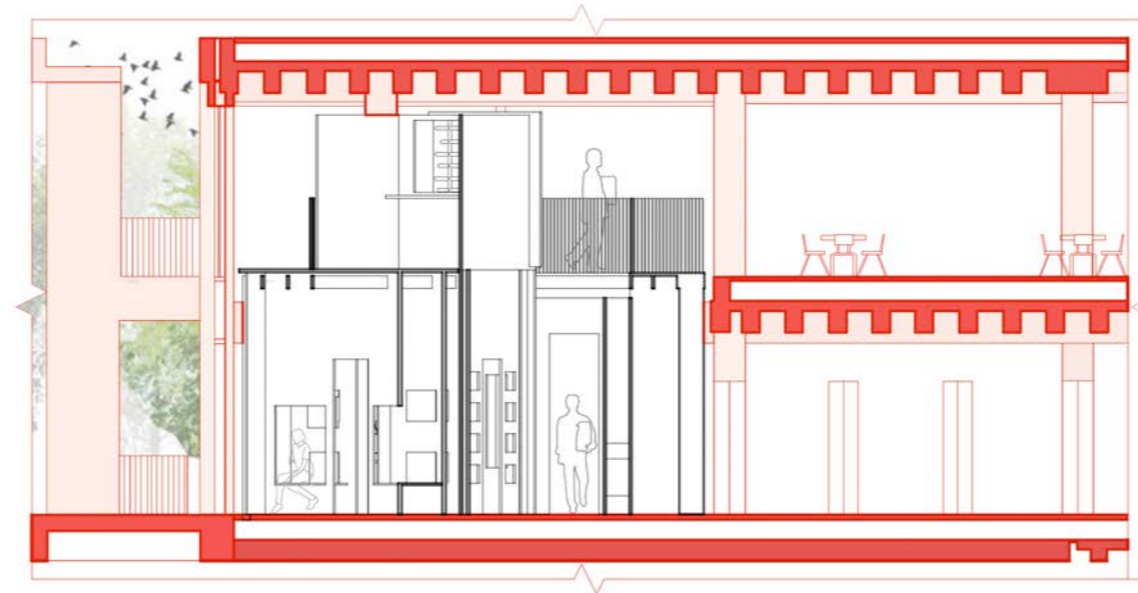
Sketch of 3 Cubic Volumes Extruded



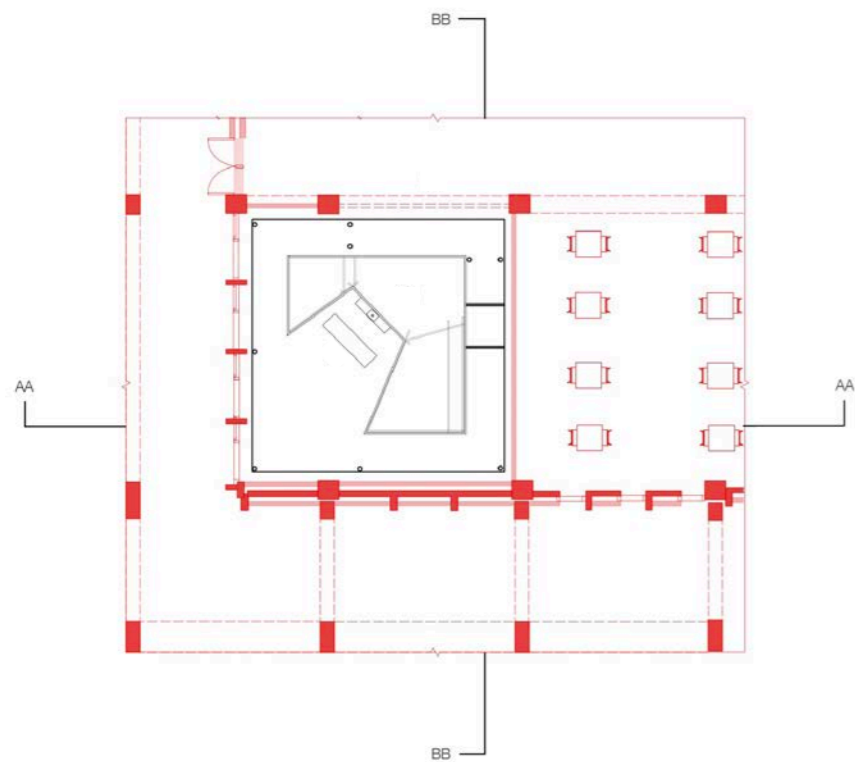
3D Model of Site : Level 2 Town House



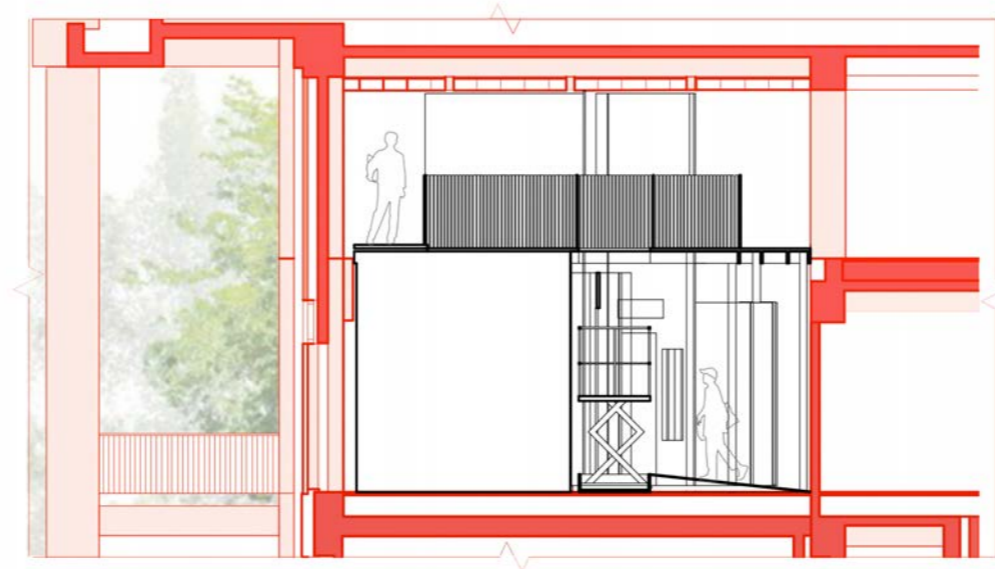
GROUND FLOORPLAN



SECTION AA



FIRST FLOORPLAN

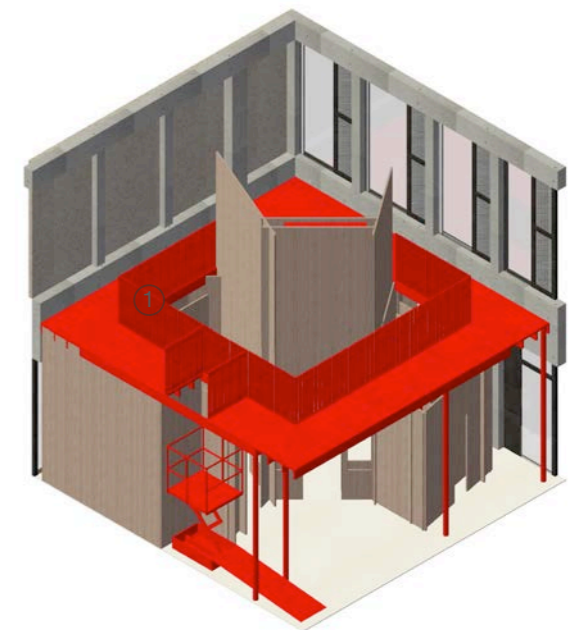


SECTION BB

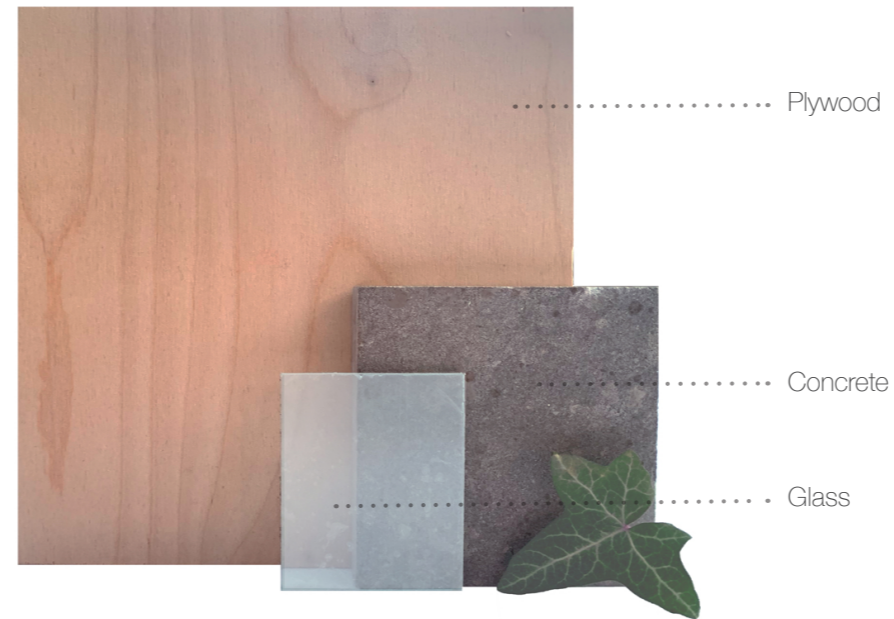
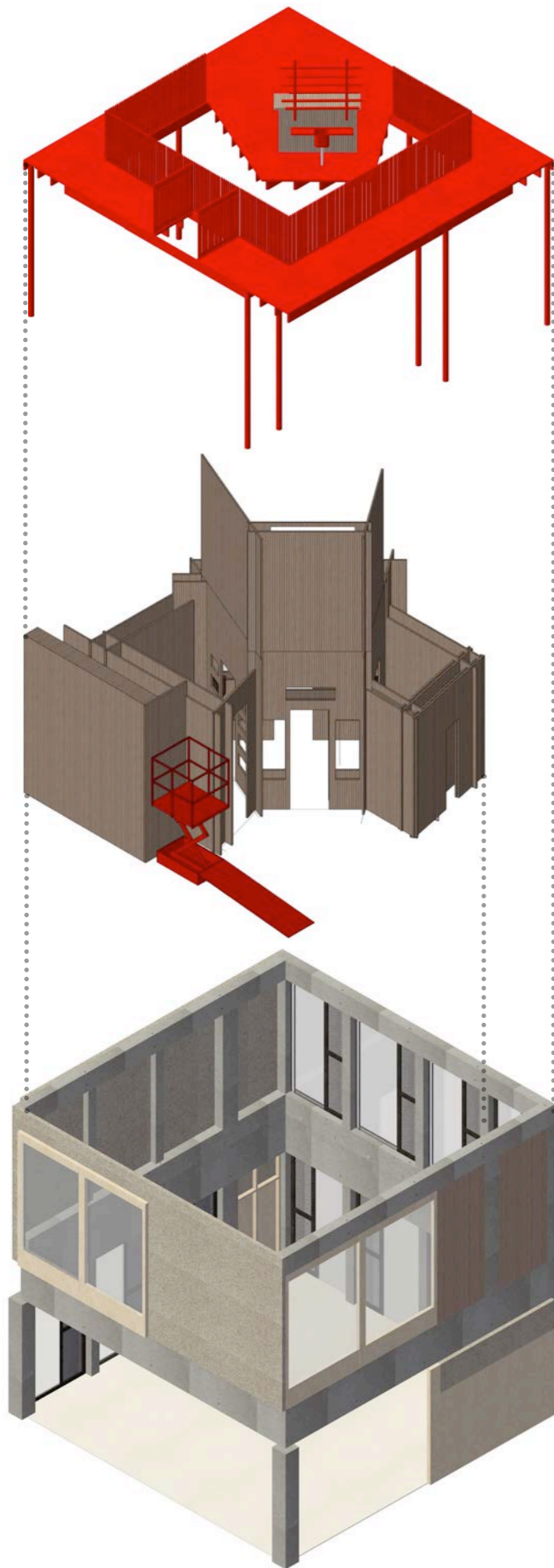
TOWN HOUSE EXISTING
PLANS + SECTIONS
WITH PROPOSAL
SCALE 1: 200 @ A3
12.03.2021



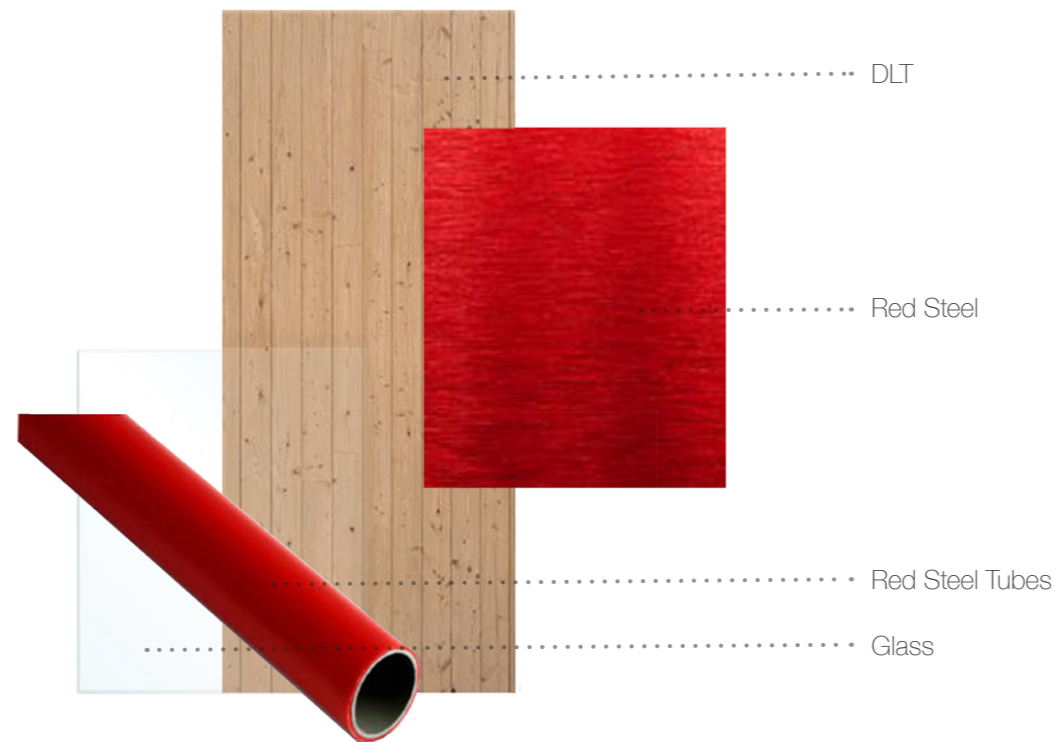
Interior view of seating area shown in section AA



Right Isometric 3d model of proposal - showing scissor lift



Existing Material Palette



Proposed Material Palette

1. Red Steel Metal - Mezzanine/ Scissor lift

- Low Cost
- Strong
- Tough and hard wearing
- Great Formability and Durability

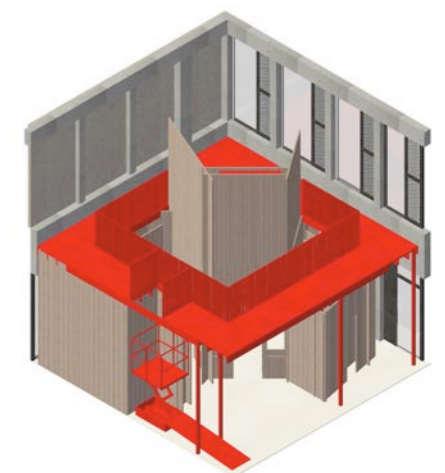
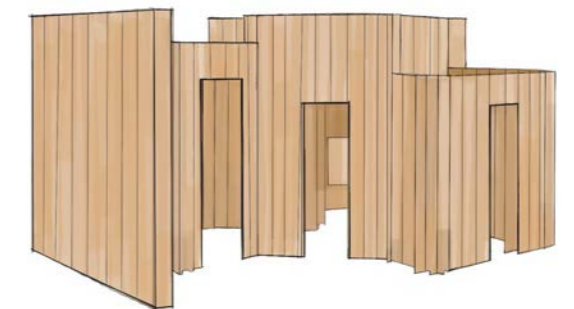
Will be used on mezzanine floor, support columns, balustrade, scissor lift and ramp. The red accents certain aspects of the proposal

2. Museum Glass - Display Cabinets

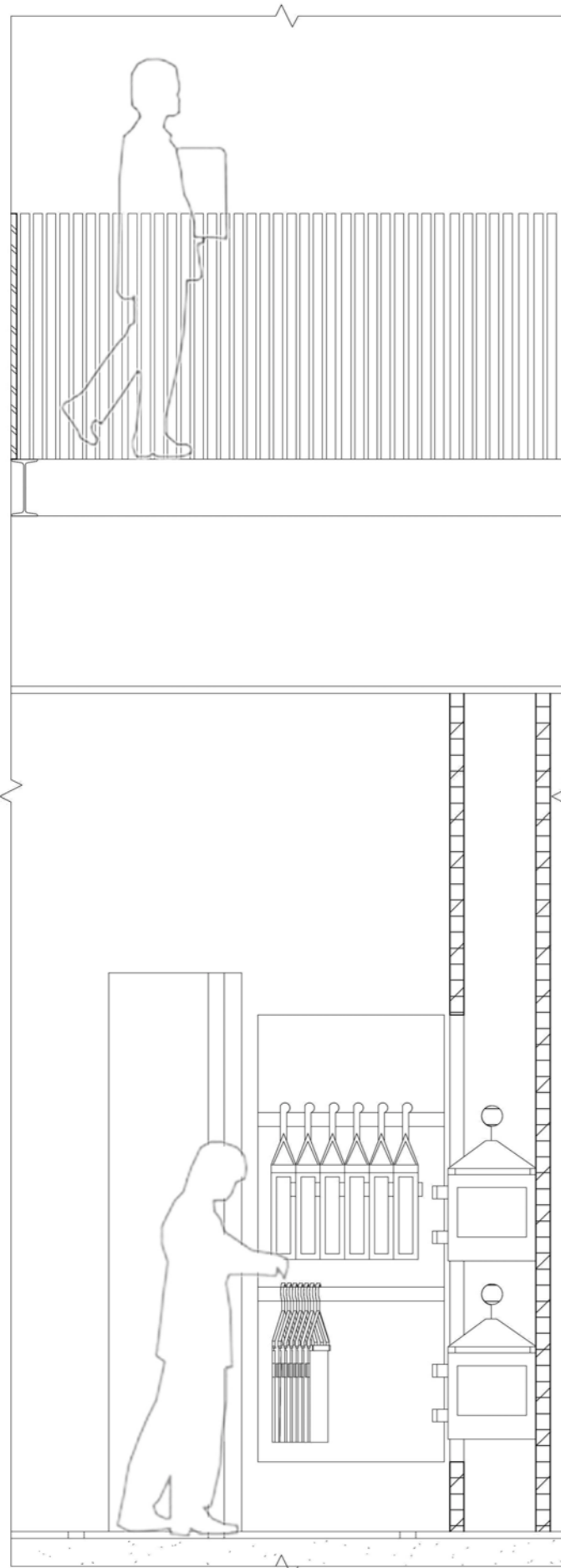
- Transparency: Window Displays
- Heat resistance,

3. DLT - Structure

- Dowel Laminated Timber (DLT) is a mass timber product that can be used for floor, wall, and roof structures.
- Single spans up to 60ft for roofs, 32ft for floors. Transverse (weak axis) spans up to 4ft are achievable with screw reinforcement, or greater with structural reinforcement
- Sustainable: DLT panels involve no glue or nails but instead use dowels to join laminations
- Load-Bearing and can support Glass Surfaces: The dowels hold each board side-by-side, forming a stiffer and stronger connection
- Lower manufacturing cost – due to high speed production



Right Isometric of proposal



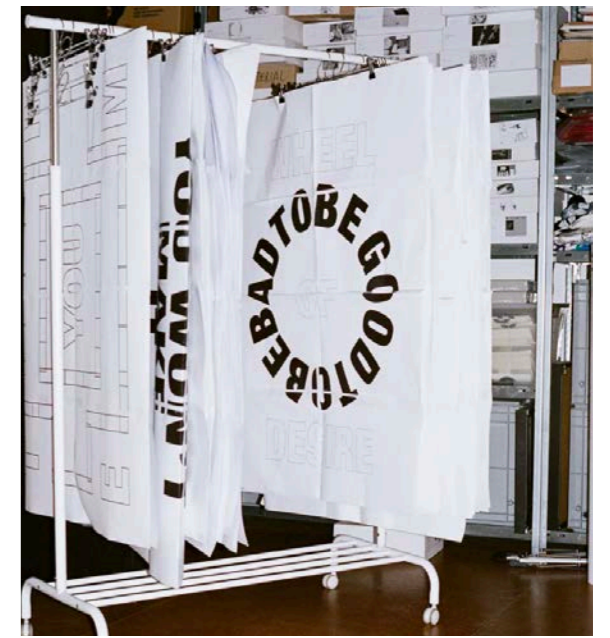
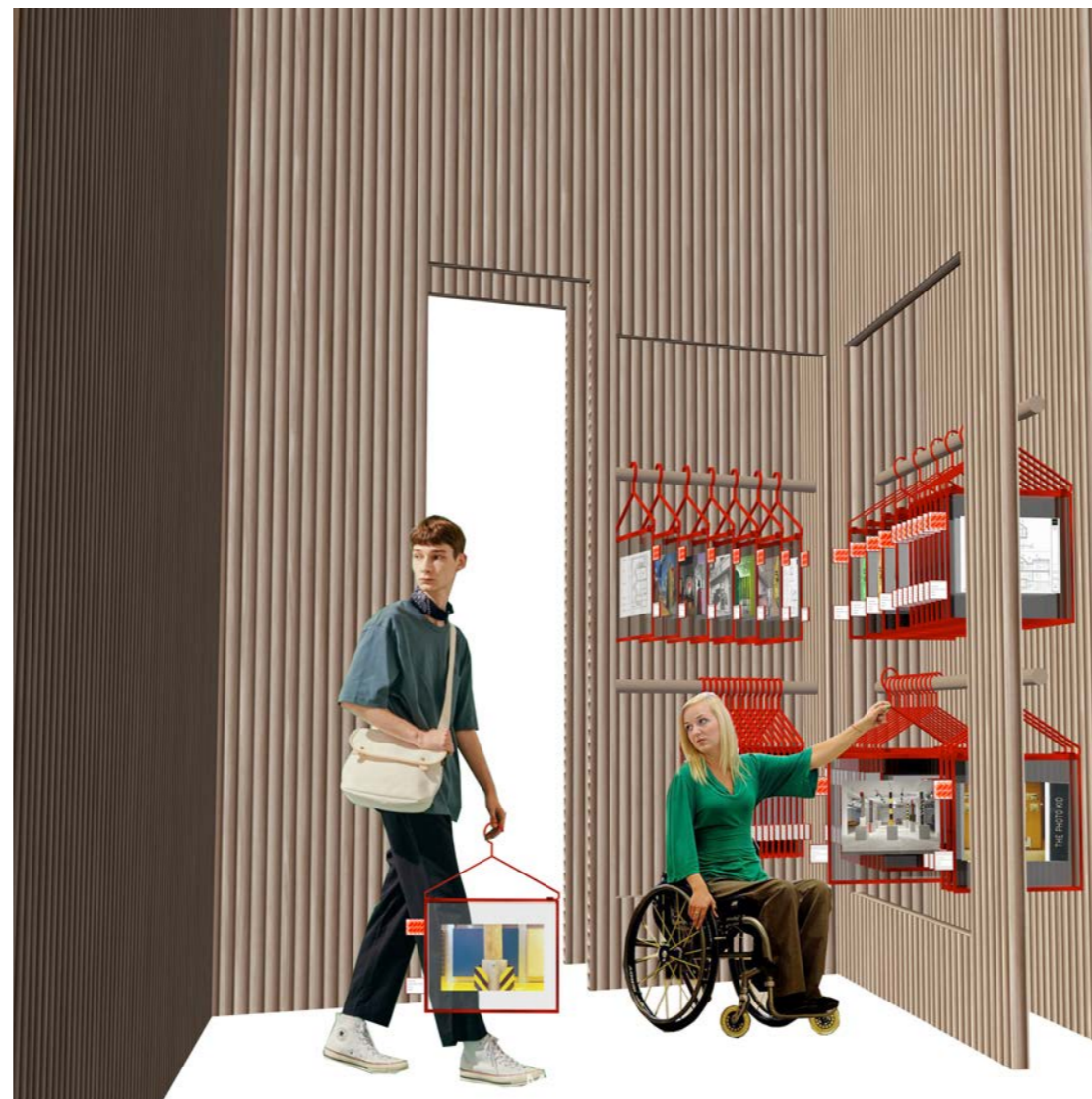
Section of Hanger Display @ 1:20 on A2



BKD logo for each sleeve

Label for each piece of work. 'Comment' section for BK to provide additional information on each sleeve.

1:1 Prototype of hanger display (NTS)



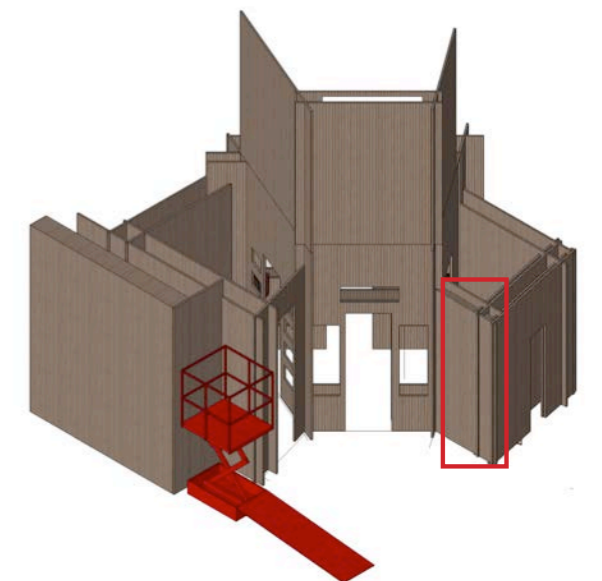
Eike König, Studio Hort

Located within one of the three archive structures. A way we propose to show Kelly's work, as it pays homage to his work within retail and fashion industries. It encourages interaction whilst showing respect for each piece of Art.

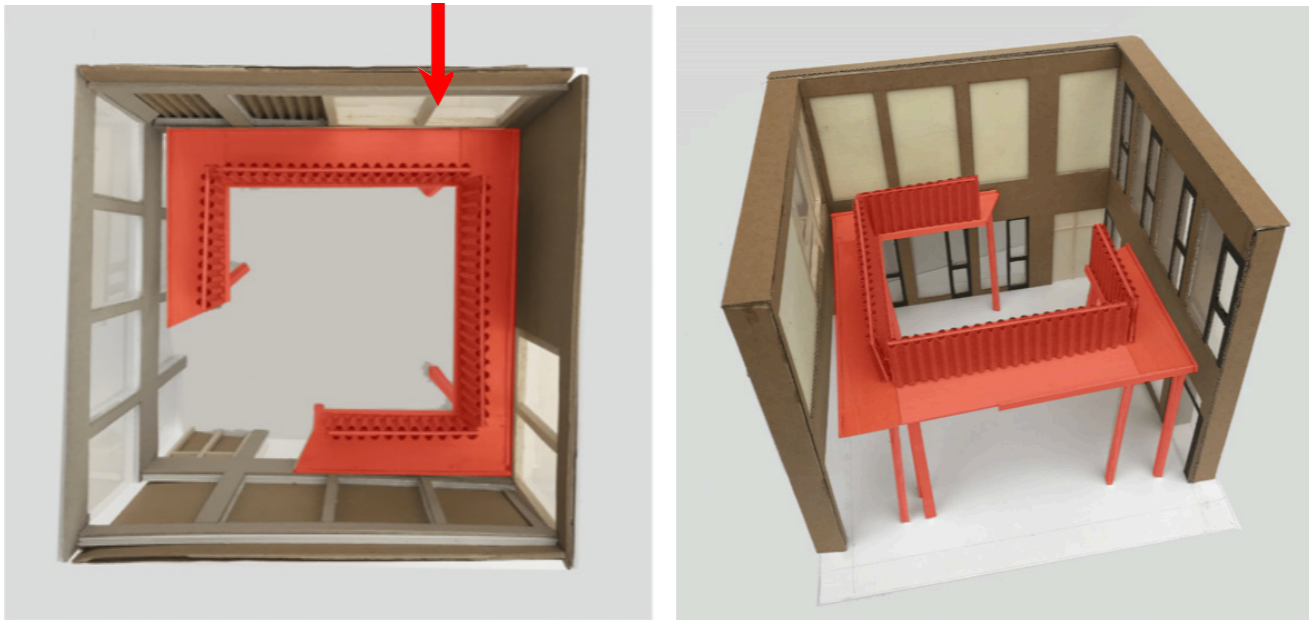
INTERACTIVE

CONTEMPORARY

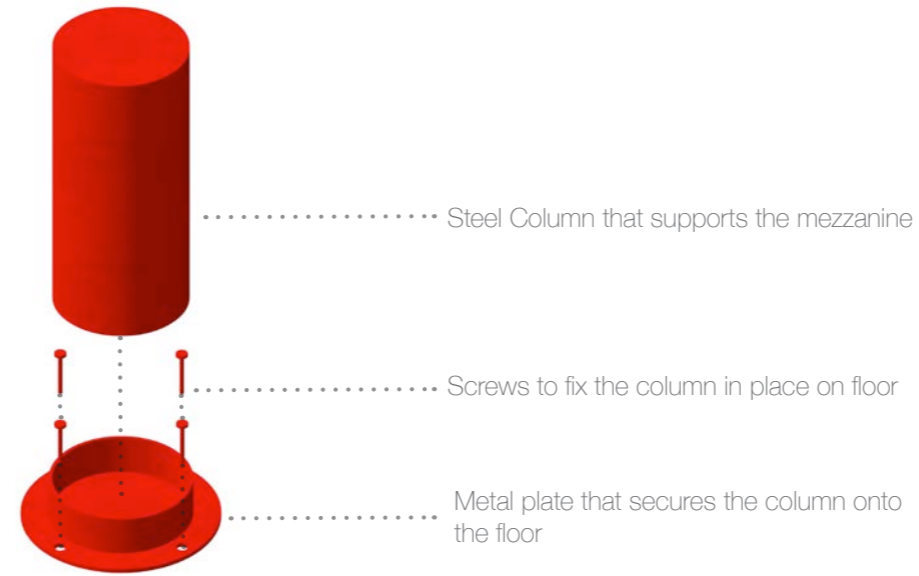
INNOVATIVE



Visual of lower level locating the hanger display



1 : 50 Physical Model of Mezzanine Structure



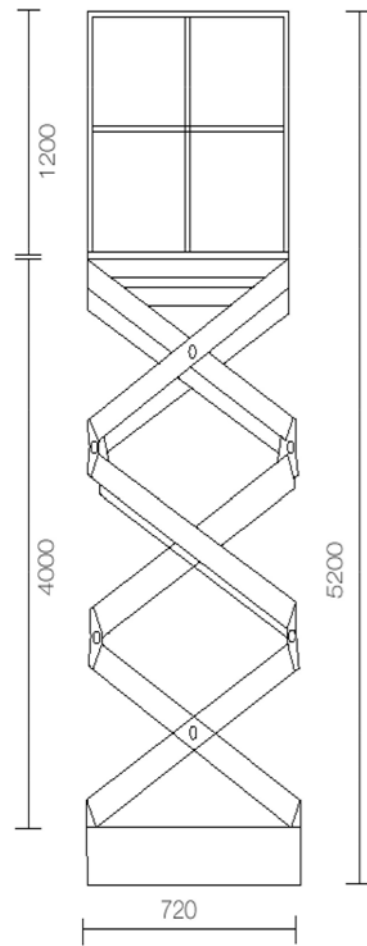
1 : 10 Isometric Detail of Columns that Support Mezzanine



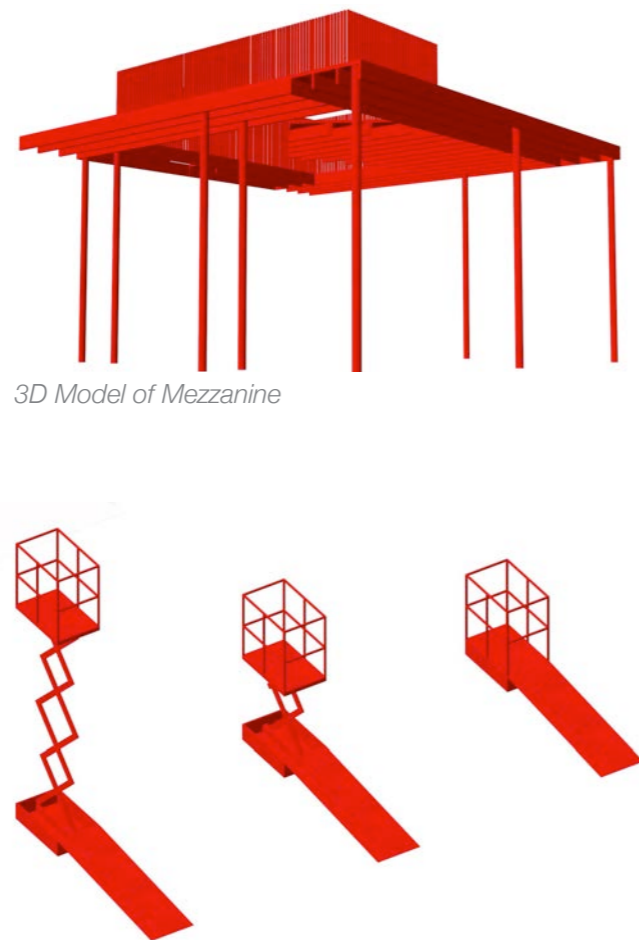
Using steel for the mezzanine due to its industrial aesthetic feel, durability, load bearing qualities and finally its sustainable nature.



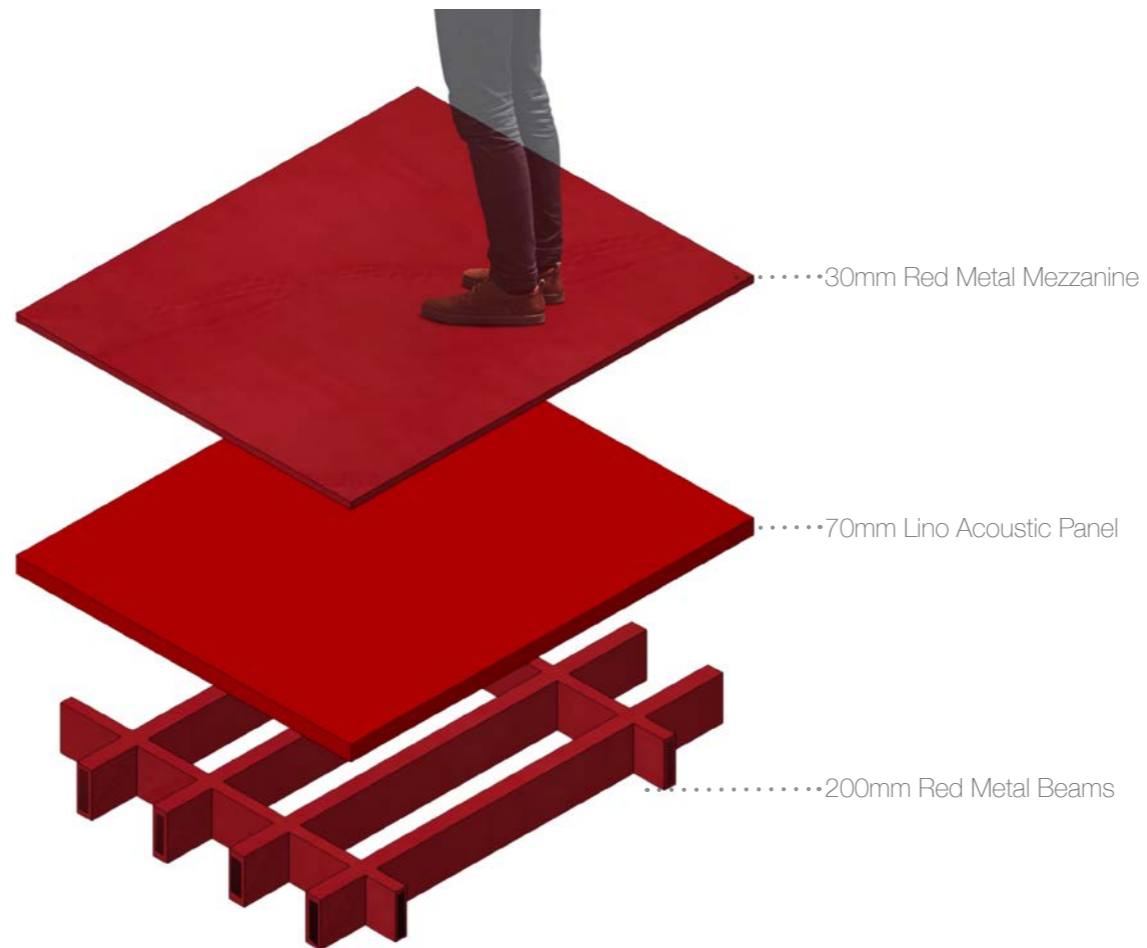
Photograph of staircase at SLG Fire Station



Elevation of Scissor Lift @ 1:20 on A2



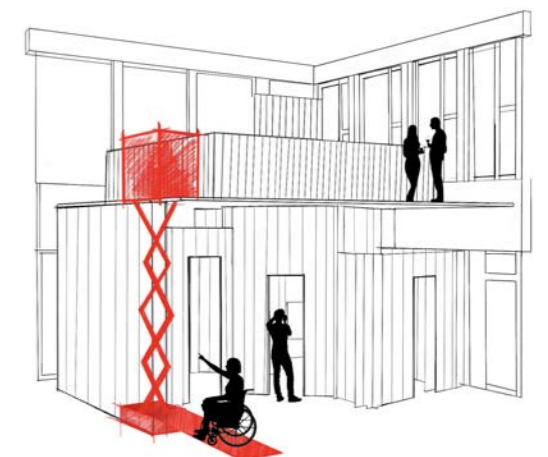
3D Model of Scissor Lift

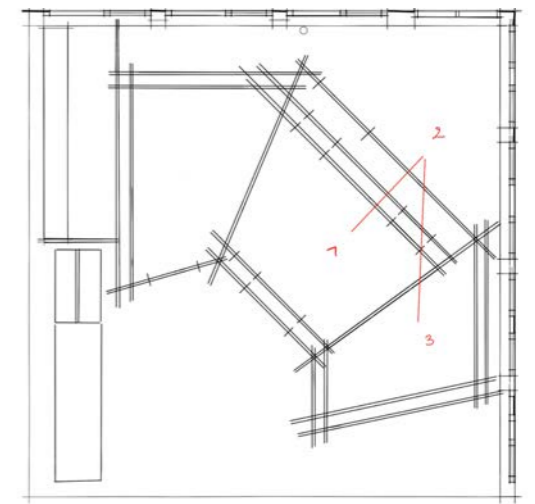
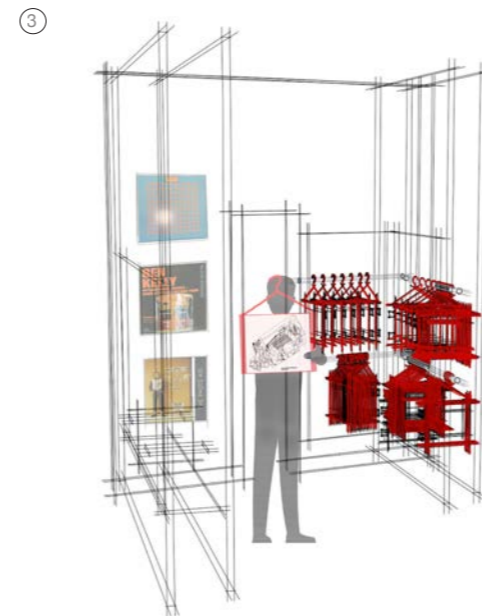
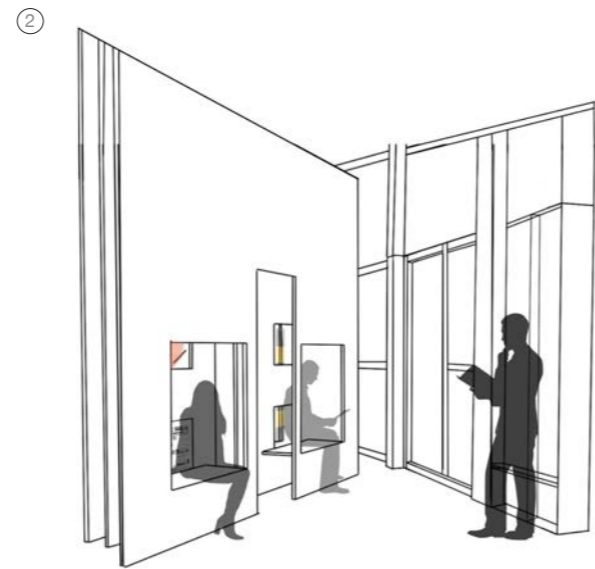
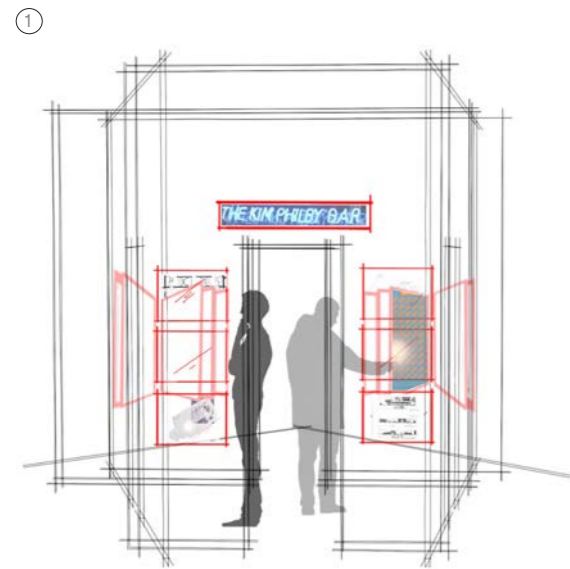


Isometric Detail @ 1:10 on A2 of Mezzanine Flooring Construction

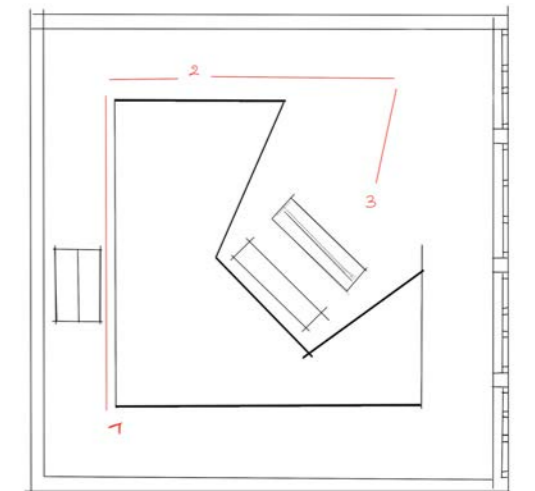
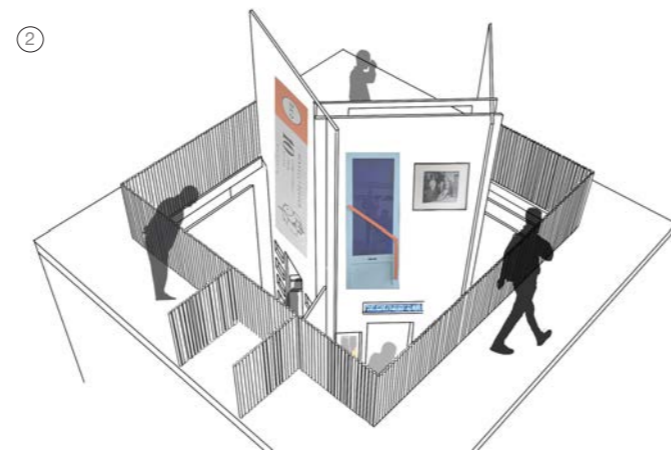
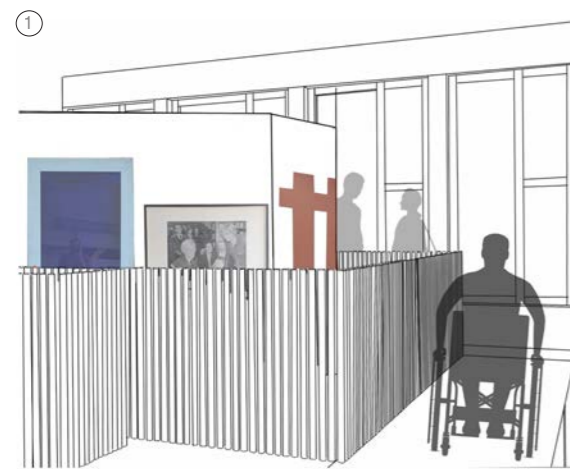
We chose to use a scissor lift so that every person can experience the space in the same way. This was important to us as we found out that 13% of UK students that enter university are disabled.

The lift moves up and down by hydraulics that are placed within the base of the lift. There is a gate upon entering the lift and exiting. To use the lift you just push the button and you are able to access the mezzanine floor directly.

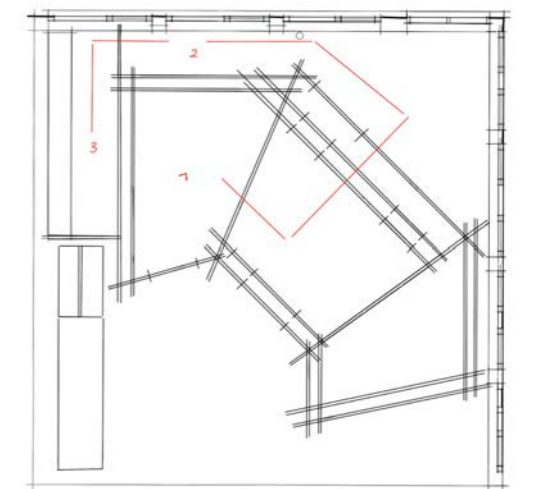
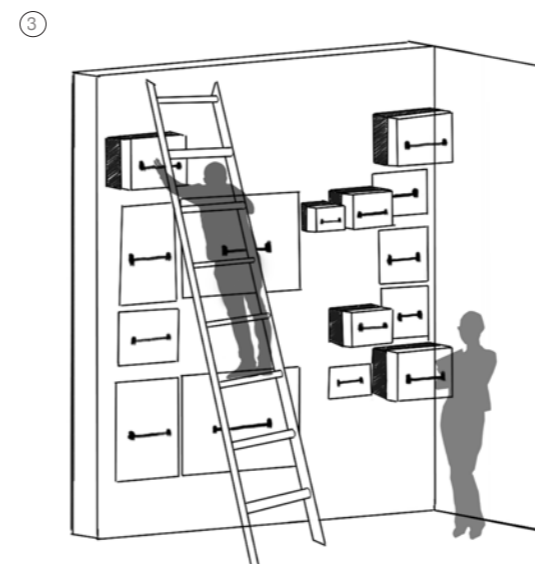
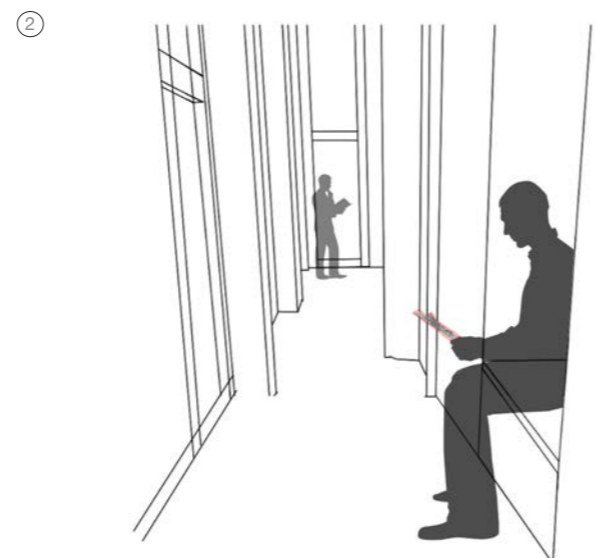




Student - day circulation



Student - evening circulation



Researcher circulation



- ① DLT dowel laminated timber
Average cost per square meter £130

£8,320
- ② Linoleum (lino) for acoustics on mezzanine
Average cost per square meter £13

£533
- ③ Red stainless steel
Average cost per square meter £60

£2,500
- ④ Mini metal scissor lift
Average price £5000 + Maintenance of £400

£5,400
- ⑤ LED tube of warm light 220v
Average price of £50 per linear meter

£1000
- ⑥ Red stainless steel columns
Average price per column is £100

£1000
- ⑦ Construction
Average price of £350 per square meter

£11,200

Overall cost

£29,953



Entrance View of Archive



Inside the Archive



First Floor Bar at Night