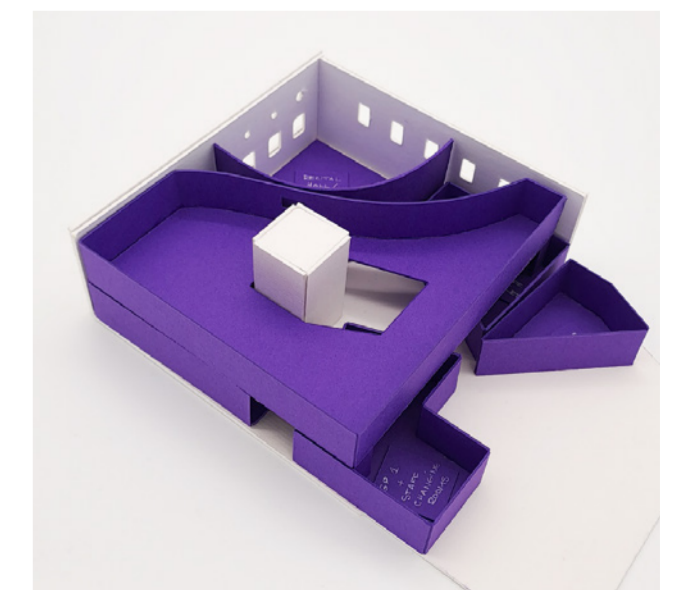
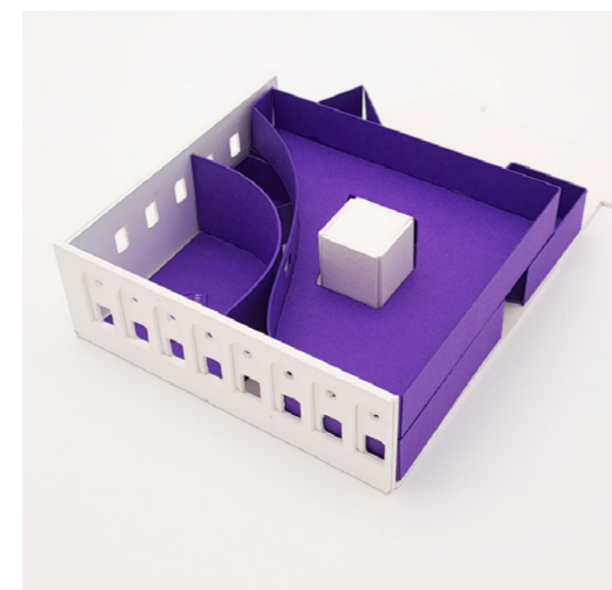
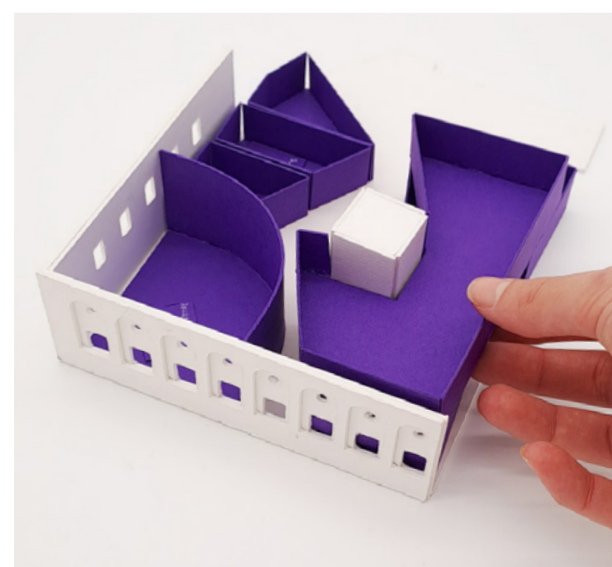


The Harmony House

Adaptive Reuse of Truman Brewery

Lola Moro – Ravensbourne University London

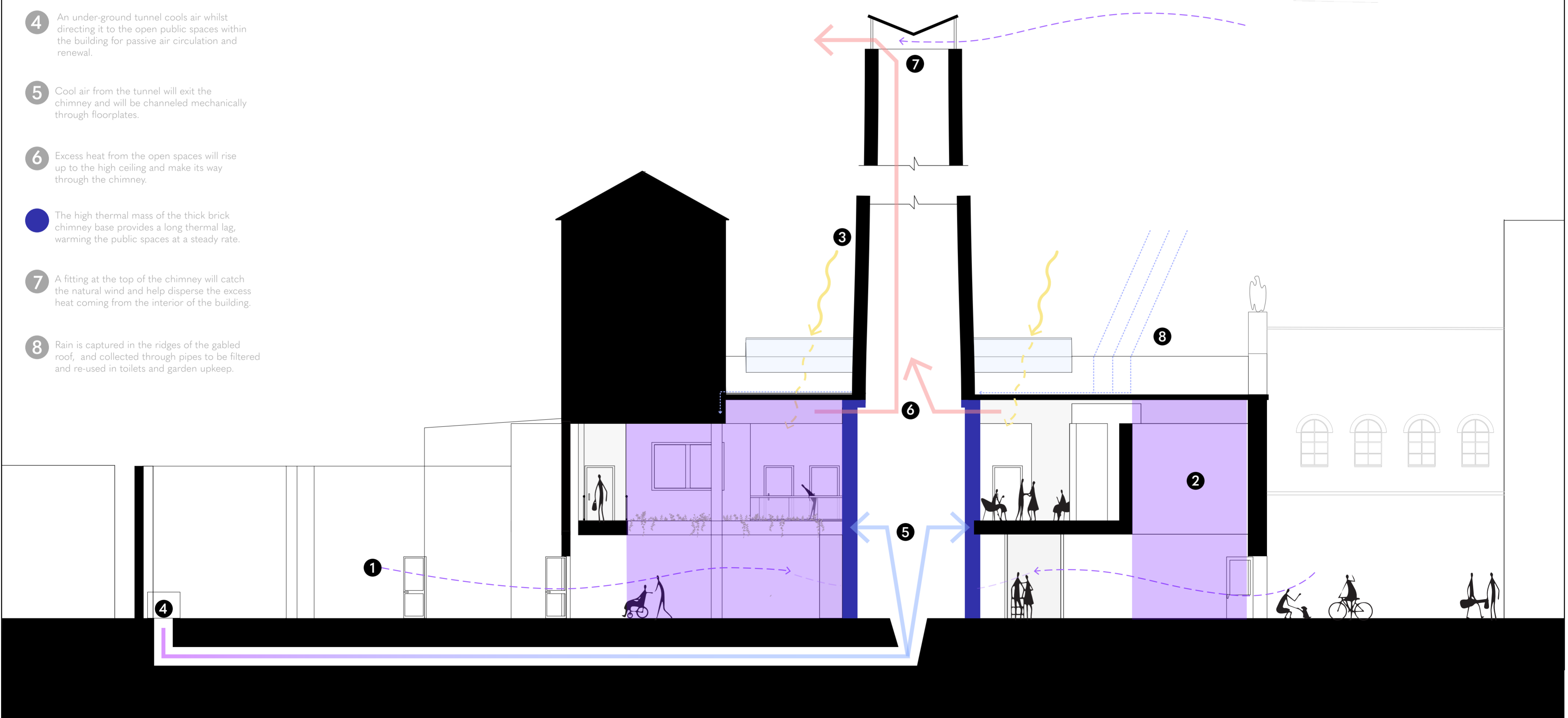
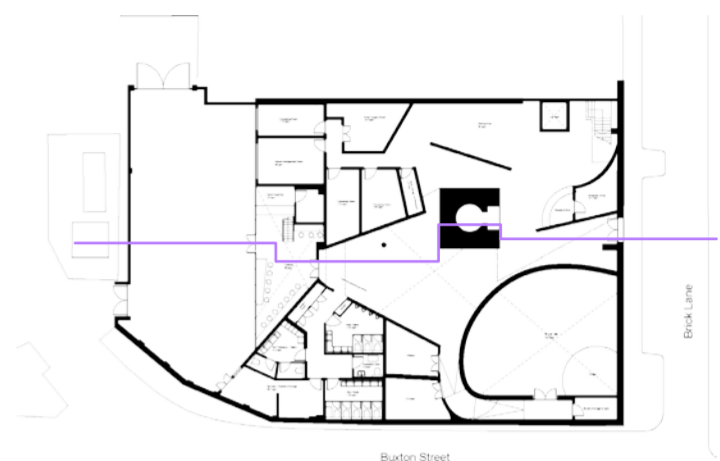
This project seeks to explore the role of music as therapy and rehabilitation. 'The Harmony House' takes the historical Truman Brewery in Spitalfields, London as the site of investigation – this adaptive reuse project considers the movement of air, light and sound to reinvigorate the senses and to dignify those undergoing care. The design methodology deployed physical models to reimagine the building's historical structure and to encourage creative ideas for building reuse on a warming world.



Environmental Strategy

Building Section

- 1 Passive cross ventilation in the east-west axis through the main public areas.
- 2 Two double height spaces provide room for air circulation and for heat to rise upwards.
- 3 The skylights provide natural light and passive heat gain needed in London for most part of the year.
- 4 An under-ground tunnel cools air whilst directing it to the open public spaces within the building for passive air circulation and renewal.
- 5 Cool air from the tunnel will exit the chimney and will be channeled mechanically through floorplates.
- 6 Excess heat from the open spaces will rise up to the high ceiling and make its way through the chimney.
- 7 The high thermal mass of the thick brick chimney base provides a long thermal lag, warming the public spaces at a steady rate.
- 8 A fitting at the top of the chimney will catch the natural wind and help disperse the excess heat coming from the interior of the building.
- 9 Rain is captured in the ridges of the gabled roof, and collected through pipes to be filtered and re-used in toilets and garden upkeep.



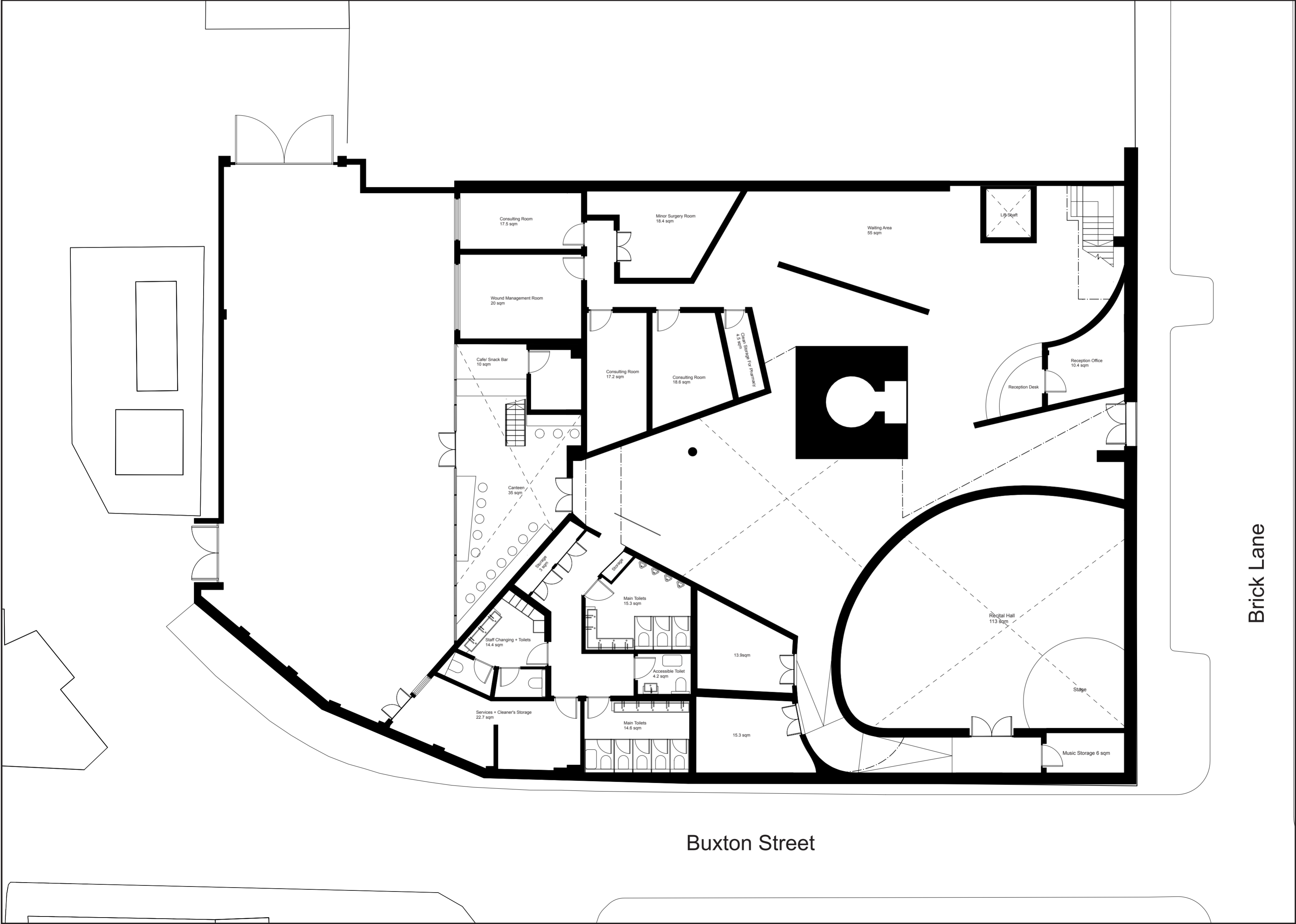
Interior Model
Design Methodology



Proposed Adaptations

Ground Floor Plan

Lola Moro – Ravensbourne University London



| | |
|----------------------------|-----------|
| Proposed Ground Floor Plan | 1:200 @A3 |
| | |

Interior Model

Activating the Facade through Curiosity

