



HADI PIRMOHAMED - PART 2 STUDENT

# Urban Design & Masterplan of Milton Keynes



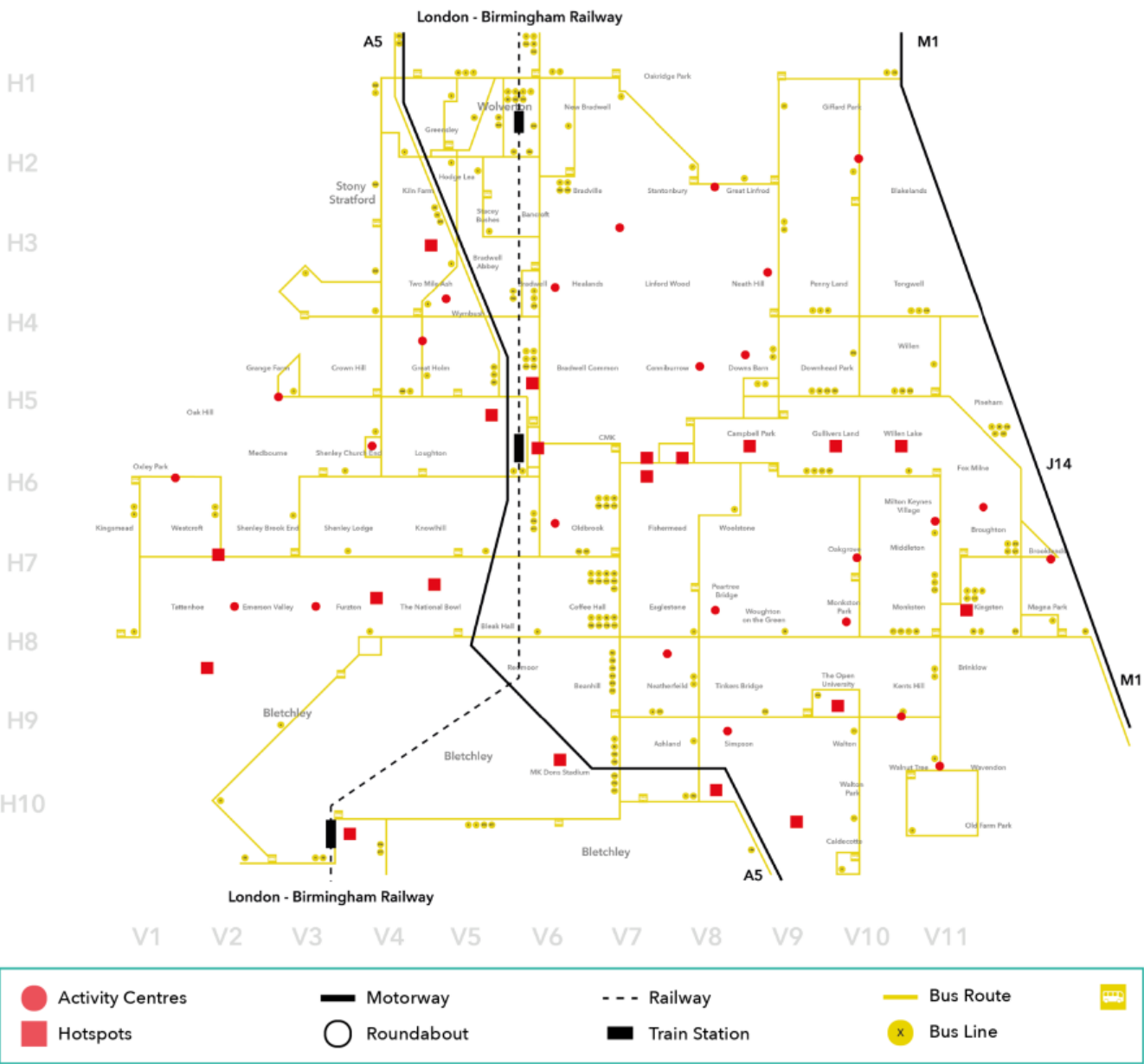
**Project Statement:** The project revolved around the urban design of Milton Keynes, specifically exploring how people move around the city. The visualisations above highlight how the proposal involves embedding colour through the city's transportation network in the form of road and pathway markings, adding colour lamp posts, enclosures, bins, railings etc. The idea behind this proposal, is to visually help residents navigate around the city, which is an issue that residents currently face today.

**Drawing:** Visual  
**Sheet Size:** A3  
**Scale:** N/A  
**Page:** 2



**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student

# Urban Design & Masterplan of Milton Keynes



**Simplified Diagrammatic Maps:** In addition to embedding colour in Milton Keynes, key maps such as the bus routes (left) and cycle routes maps (right) were also created and will be provided to residents digitally and physically, to make them aware of the different transportation methods the city offers. This will help reduce congestion on the city grid roads which was another issue residents face today, and is an issue that is expected to worsen in the future if the problem is not solved.

**Drawing:** Map  
**Sheet Size:** A3  
**Scale:** N/A  
**Page:** 3



**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student



# Interior Visualisations



**Project Statement:** Printpac offices to be redesigned to maximize efficiency, create an environment where employers want to work in and impress clients. **Conference Room/Hallway Visual:** The 3 meter wide hallway was designed with circulation and openness in mind to ensure that the space does not feel like a long corridor. Nature has also been included to add colour and create an airy atmosphere.

**Drawing:** Visual 1  
**Sheet Size:** A3  
**Scale:** N/A  
**Page:** 4



**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student

# Office Floor Plan



**Project Statement:** Printpac offices to be redesigned to maximize efficiency, create an environment where employers want to work in and impress clients. **Proposed Floor Plan:** Renovation to improve problems in the existing plan such as, a new file room, central IT room placement, larger kitchen, nature, better use of space, etc. The plan is divided in 3 sections, management (Right), workforce (Middle) and a space for client meetings (Left).

**Drawing:** FP  
**Sheet Size:** A3  
**Scale:** 1:200  
**Page:** 5



**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student



# Exterior Visualisations



**Project Statement:** An education/community centre in jewellery quarter, Connect is a space where the public can learn about the history of the area and learn a new skill (making small metal objects). The project was inspired by the area, hence, connects with its urban context, connections within the facade materials and promoting connection and collaboration of users in the building.  
**Main Entrance Visual:** Adobe Illustrator, Photoshop and Sketchup was used to create the above render.

**Drawing:** Visual 2  
**Sheet Size:** A3  
**Scale:** N/A  
**Page:** 6

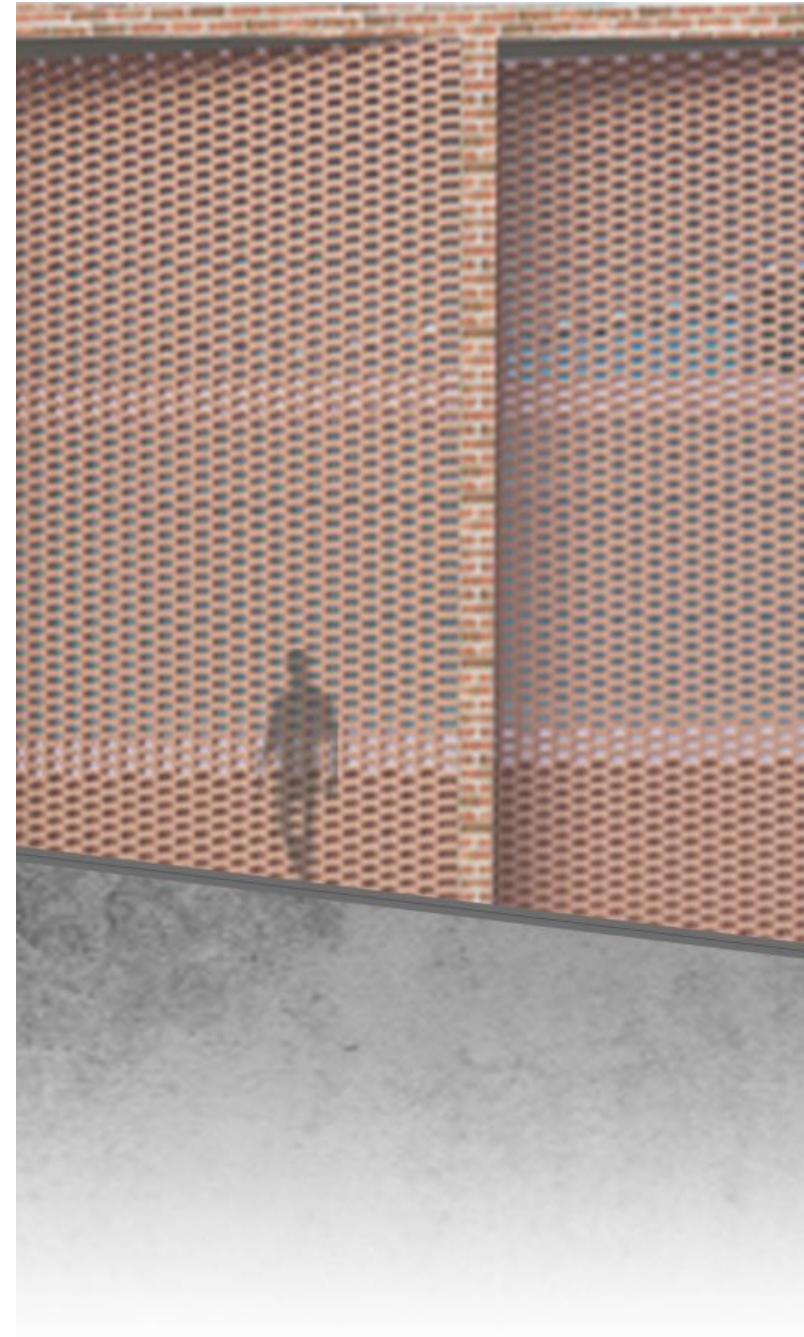
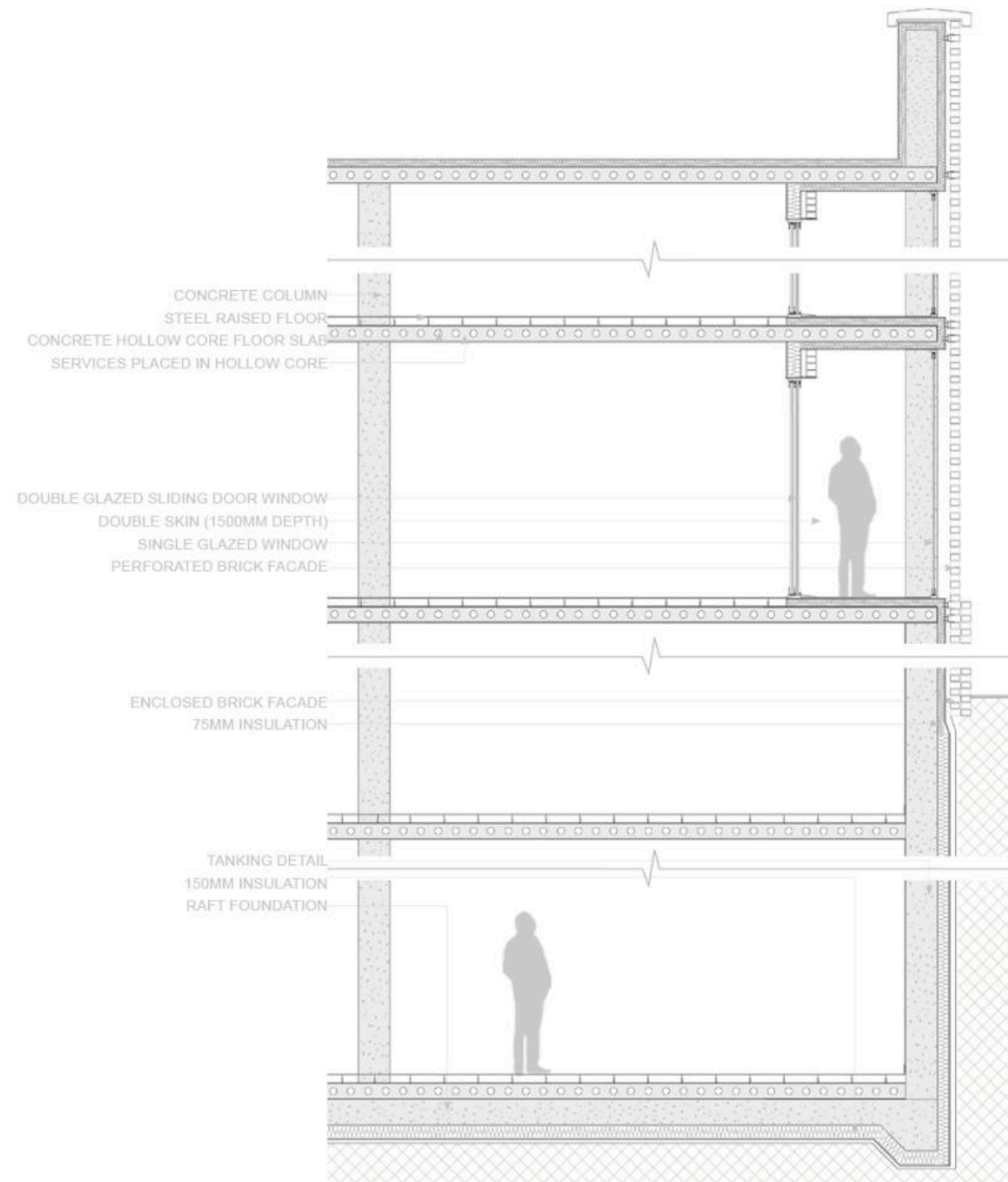


**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student

# Section + Elevation

CONNECT

Birmingham Jewellery Quarter



**Project Statement:** An education/community centre in jewellery quarter, Connect is a space where the public can learn about the history of the area and learn a new skill (making small metal objects). The project was inspired by the area, hence, connects with its urban context, connections within the facade materials and promoting connection and collaboration of users in the building.

**Section + Elevation:** Adobe Illustrator and Photoshop was used to create the above 1:50 Section and Elevation

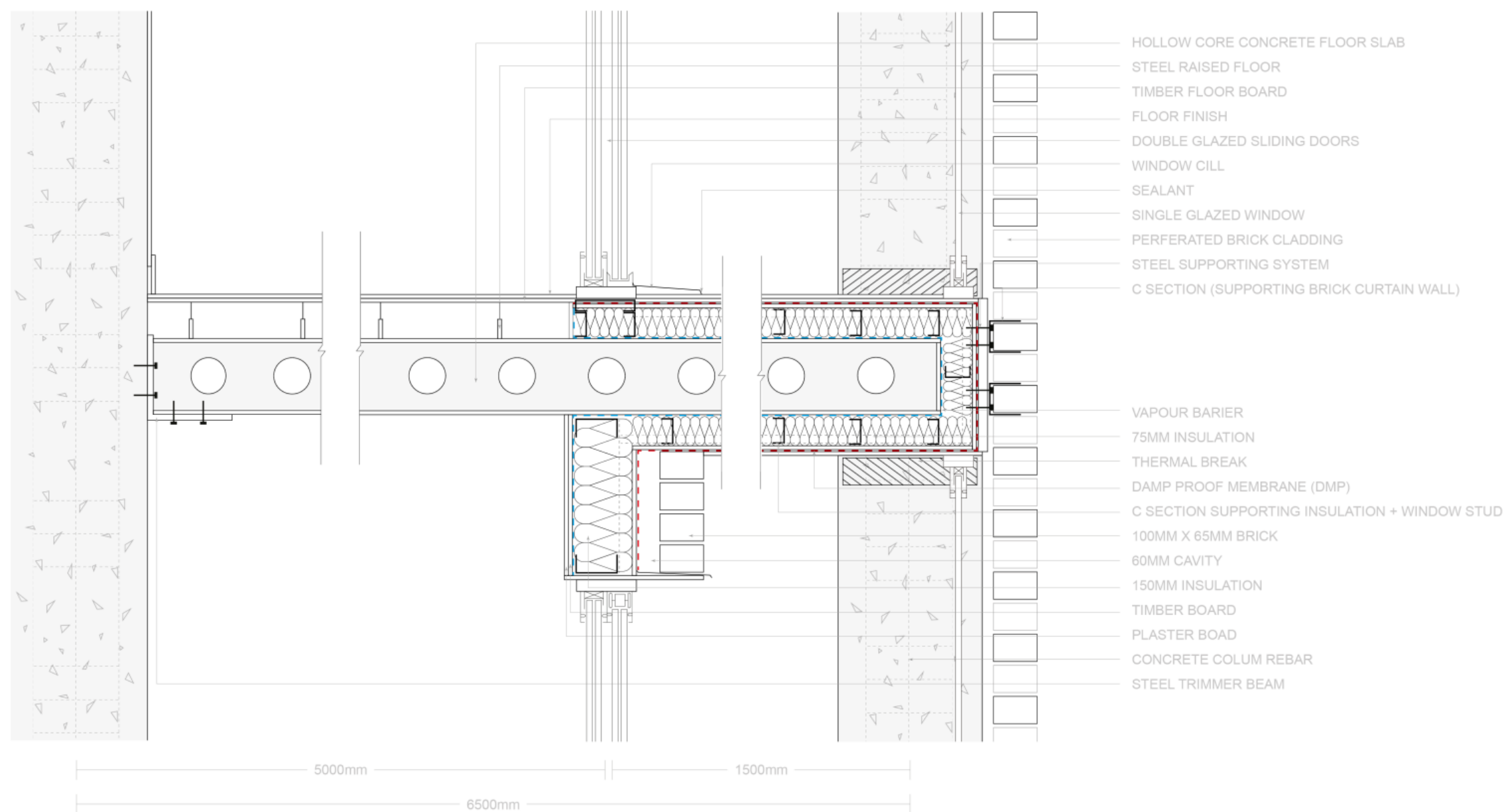
**Drawing:** S&E  
**Sheet Size:** A3  
**Scale:** 1:50  
**Page:** 7



**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student



# Double Skin Facade Detail



**Project Statement:** An education/community centre in jewellery quarter, Connect is a space where the public can learn about the history of the area and learn a new skill (making small metal objects). The project was inspired by the area, hence, connects with its urban context, connections within the facade materials and promoting connection and collaboration of users in the building.

**DFS Detail:** The double skin facade that had been for environmental, visual and acoustics reasons. Adobe illustrator drawing

**Drawing:** Detail  
**Sheet Size:** A3  
**Scale:** 1:10  
**Page:** 8



**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student



# Site Model



**Project Statement:** An education/community centre in jewellery quarter, Connect is a space where the public can learn about the history of the area and learn a new skill (making small metal objects). The project was inspired by the area, hence, connects with its urban context, connections within the facade materials and promoting connection and collaboration of users in the building.  
**Site Model:** A range of different boards were used in the making of this model to illustrate the building, but the surrounding area.

**Drawing:** Model 1  
**Sheet Size:** A3  
**Scale:** 1:500  
**Page:** 9



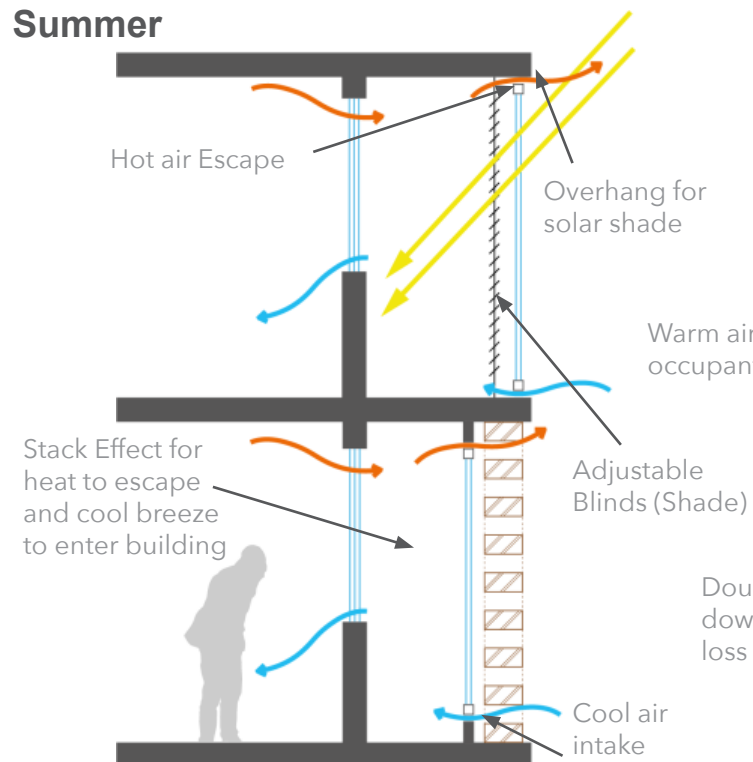
**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student

# Environmental Strategy

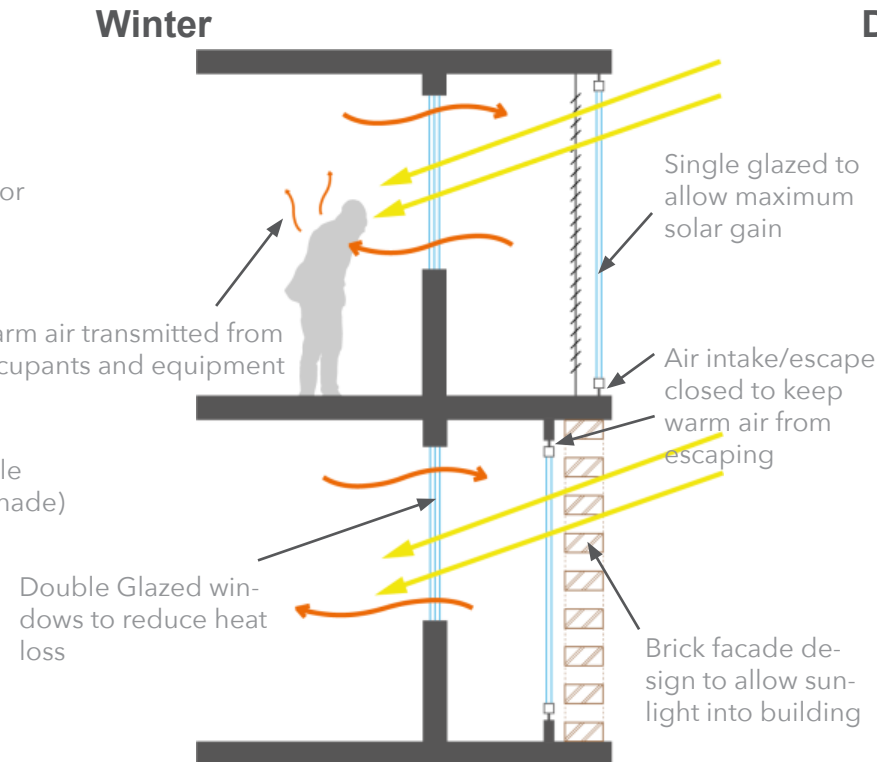
## Double Skin Facade

\*As My proposal only allows the double skin to be 2 stories high, stack would not work effectively, therefore the double skin facade will act as a buffer zone to control the weather (reducing the need for artificial energy consumption)

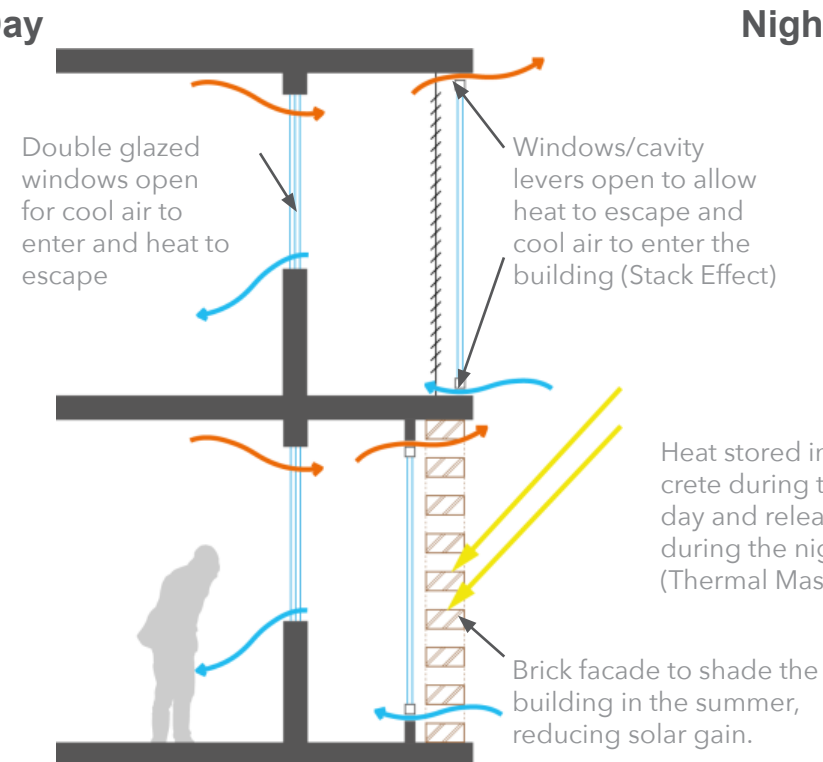
### Summer



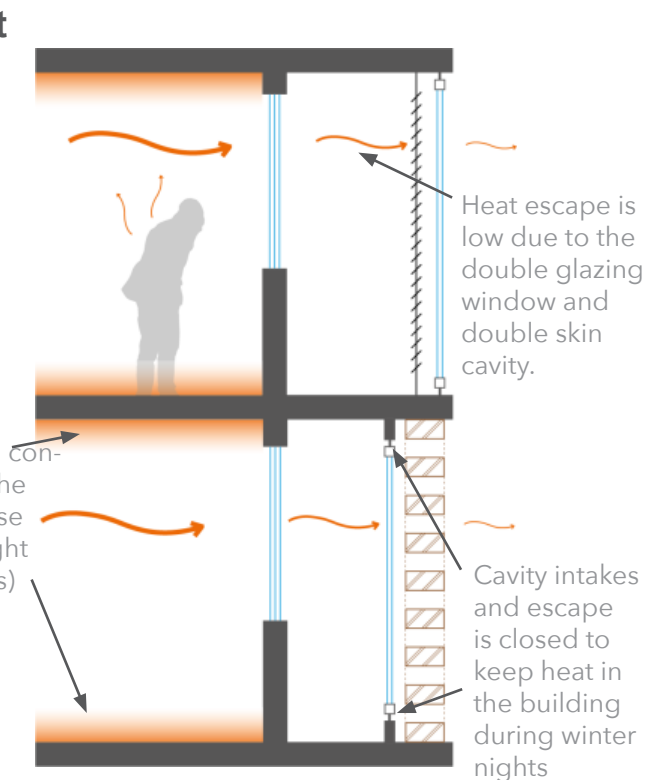
### Winter



### Day



### Night



**Project Statement:** An education/community centre in jewellery quarter, Connect is a space where the public can learn about the history of the area and learn a new skill (making small metal objects). The project was inspired by the area, hence, connects with its urban context, connections within the facade materials and promoting connection and collaboration of users in the building.

**Environmental Strategy :** The diagrams above illustrate the effects of the Double Skin Facade during weather conditions.

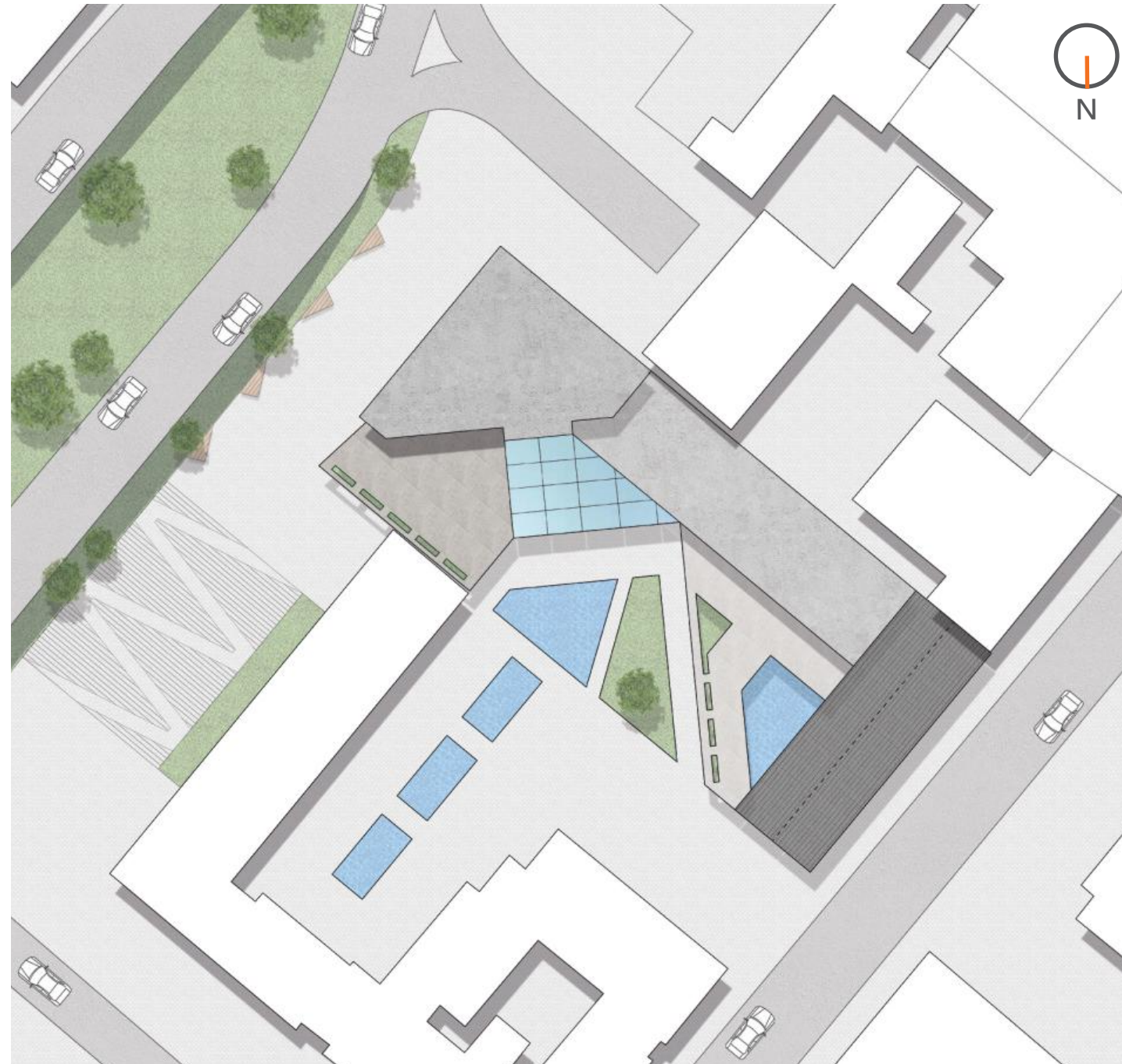
**Drawing:** Diagram  
**Sheet Size:** A3  
**Scale:** N/A  
**Page:** 10



**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student



# Site Plan



**Project Statement:** An education/community centre in jewellery quarter, Connect is a space where the public can learn about the history of the area and learn a new skill (making small metal objects). The project was inspired by the area, hence, connects with its urban context, connections within the facade materials and promoting connection and collaboration of users in the building.  
**Site Plan :** The Site plan was used to illustrate further how the immediate site will be used. Drawn using Adobe Photoshop

**Drawing:** Site  
**Sheet Size:** A3  
**Scale:** 1:500  
**Page:** 11



**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student



# Watford, Bushey

Residential Project

# Interior Renovation and Loft Conversion

Proposed Elevations



**Project Statement:** An interior renovation and loft conversion for a new-build detached house in Watford. The project consisted of designing a new study, an extended living/dining room, an additional bedroom, en-suite and extra storage space. **Elevations:** The loft structure extends to the garden facade with two large windows designed similar to the existing architecture to ensure the acceptance of planning permission. 2 skylight windows were also added to the front elevation to maximise natural lighting in the loft.

**Drawing:** Elevation  
**Sheet Size:** A3  
**Scale:** 1:100  
**Page:** 12



**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student

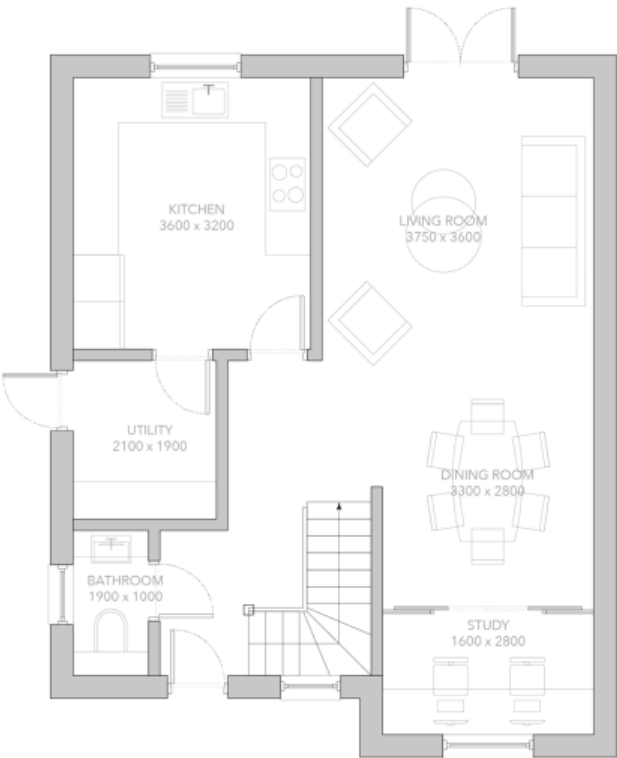
# Watford, Bushey

Residential Project

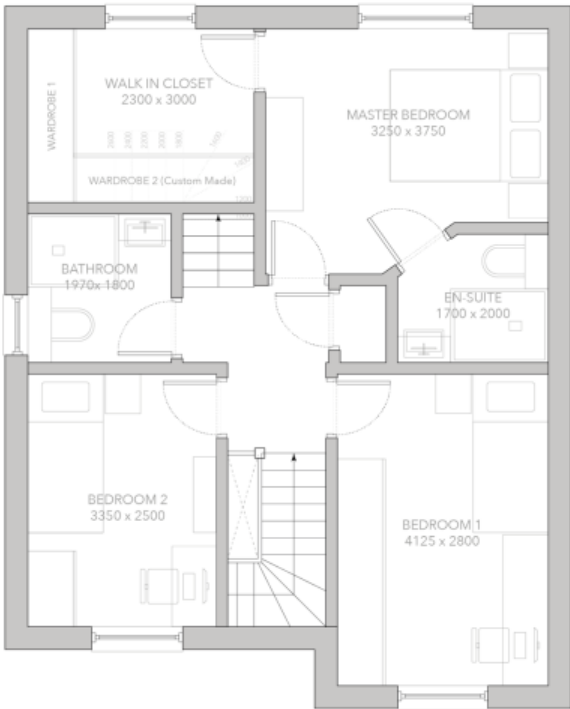
Interior Renovation and Loft Conversion

Proposed Floor Plans

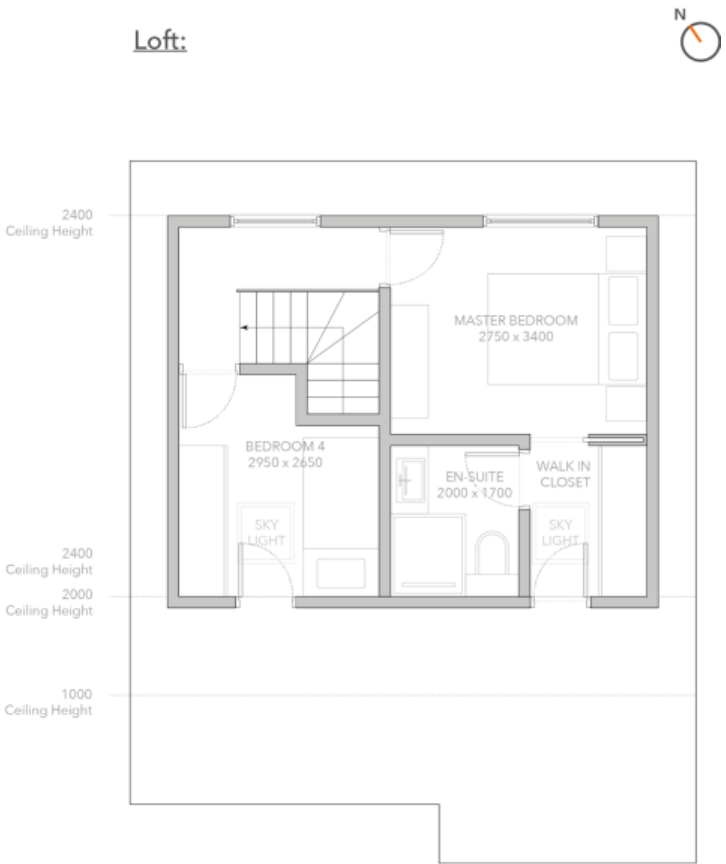
Ground Floor:



First Floor:



Loft:



An interior renovation and loft conversion for a new-build detached house in Watford. The project consisted of designing a new study, an extended living/dining room, an additional bedroom, en-suite and extra storage space. This was achieved through creating an open plan layout on the ground floor for an airy atmosphere whilst creating space for a 2 person study. Bedroom 3 was relocated to the loft creating space for a master bedroom walk-in closet and a loft staircase. Finally, the loft consisted of bedroom 3 and another master bedroom with a walk-in closet and en-suite.

**Drawing:** Floor Plan  
**Sheet Size:** A3  
**Scale:** 1:100  
**Page:** 13



**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student

# Interior Model

## Barcelona Pavilion

Model Case Study



**Project:** A smaller project during semester 2 of year 2 to explore modelling techniques. The model above is of the Barcelona interior.  
**Barcelona Pavilion Model:** A wide range of materials was used in the construction of this model including Grey board, card board, different types of paper for certain material effects, fabric etc.

**Drawing:** Model 2  
**Sheet Size:** A3  
**Scale:** 1:50  
**Page:** 14



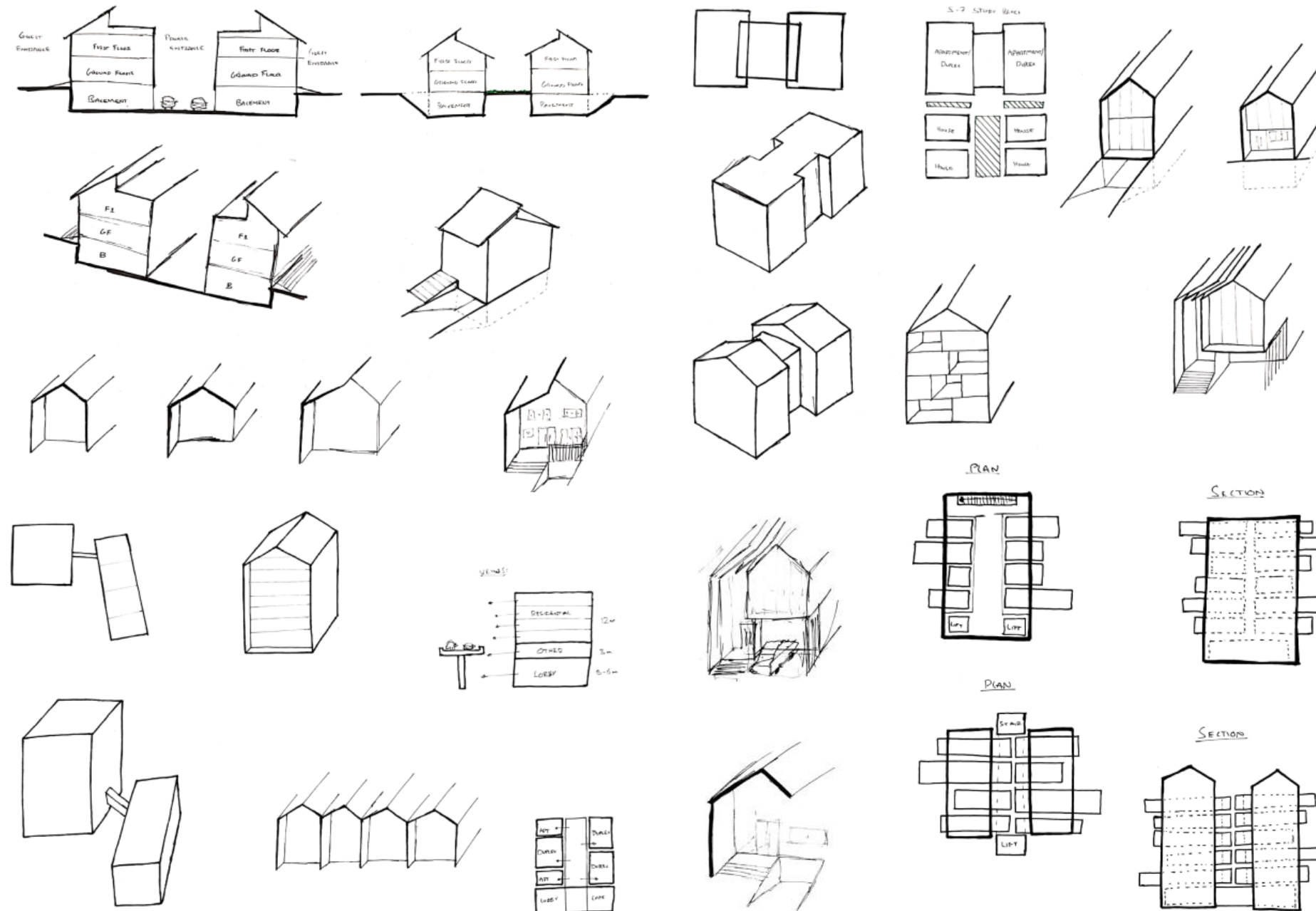
**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student



# Design Development - Sketching

## Coventry Housing

Housing Project



**Coventry Housing Project:** An apartment block located outside Coventry city centre designed for the average - high income families. The apartment block consists of 4 duplex apartments, 4 apartments, a library/study room, lounge/games room, underground garage and a rooftop garden.

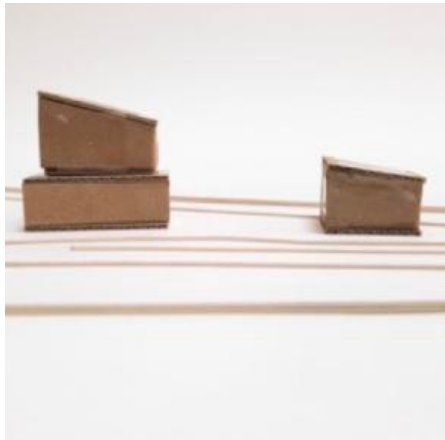
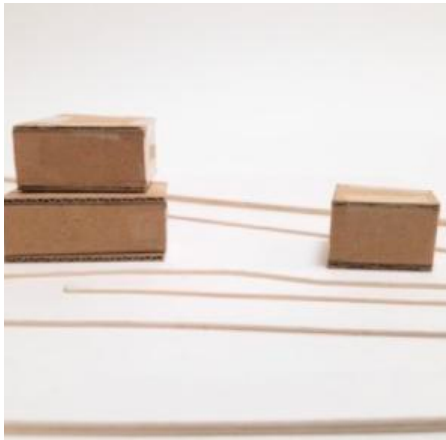
**Sketching Development:** Using Sketching as a tool to develop design ideas further.

**Drawing:** Sketch  
**Sheet Size:** A3  
**Scale:** N/A  
**Page:** 15



**Hadi Pirmohamed**  
MArchD, BSc  
Part 2 Architectural Student

# Design Development - Modelling



**Project Statement:** A dance and exercise space located on the outskirts of Coventry city. The proposal consists of 2 structures, the main building and smaller structure where events take place. Between the two buildings is a grass area where activities can take place during the summer.

**Model Development:** Exploring modelling as a ways to develop design ideas.

**Drawing:**  
**Sheet Size:**  
**Scale:**  
**Page:**

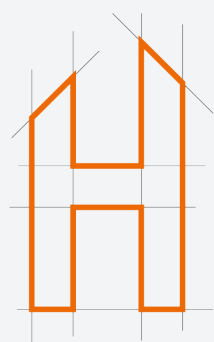
Model 3  
A3  
N/A  
16



Hadi Pirmohamed

MArchD, BSc

Part 2 Architectural Student



+44 7756 145 536  
hadi@pirmohamed.com  
hadipirmohamed.github.io

