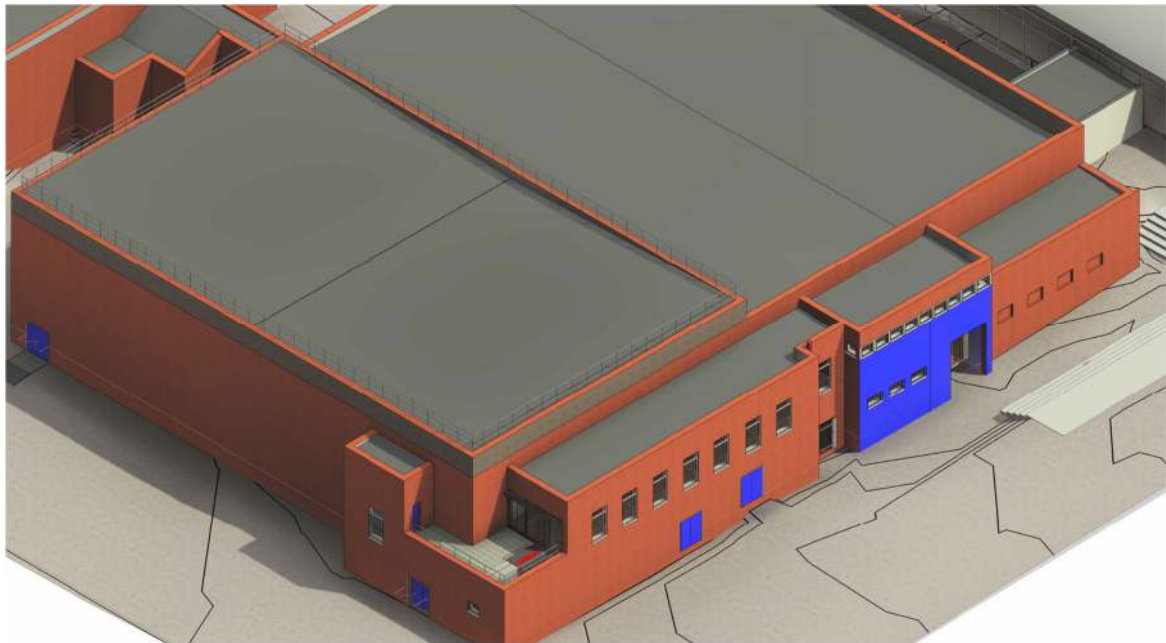




## ARCHITECTURAL DESIGN DESIGN & ACCESS STATEMENT

**PROJECT: INTERNAL CONVERSION OF THE FIRST FLOOR CAFÉ TO A LADIES'- ONLY GYM AT THE SPORTS CENTRE, BRUNEL UNIVERSITY, UXBRIDGE, UB8 3PH**

**PLANNING APPROVAL REQUIRED FOR THE AIR HANDLING UNIT DUCTWORK MOUNTED ON THE EXISTING ROOF TERRACE**



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BY



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Job Ref: 223-03-01

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## 1. Project Background and Description

Brunel University London is a public research university located in Uxbridge, London. It was founded in 1966 and named after the Victorian Era engineer and pioneer of the Industrial Revolution, Isambard Kingdom Brunel. Brunel University (known as Brunel for short) had its origins in Acton Technical College which catered for technicians and craftsmen, and Brunel College of Technology which was focused on the education of chartered engineers, and later the College of Advanced Technology, and it expanded to the Uxbridge site to accommodate the much-needed extra buildings.

Brunel has over 16,000 students and 2,500 staff and is organised into three academic colleges consisting of the College of Business, Arts and Social Sciences; the College of Engineering, Design and Physical Sciences; and the College of Health, Medicine, and Life Sciences. The Sports Centre is situated right in a prominent location on the Uxbridge Campus, opposite the main entrance to the university, the main reception, the main academic buildings, and students' halls of residence blocks and the indoor sports centre. The project brief is to relocate the current ladies'-only gym on the ground floor of the Sports Centre to the site of the existing café on the first floor.



## 2. Project Particulars

- Site: The Sports Centre, Brunel University, Kingston Lane, Uxbridge UB8 3PH
- Client: FUSION. Project Management, 9 Springfield Lyons Approach, Chelmsford, Essex CM2 5LB
- Agent: Drake and Kannemeyer LLP Chartered Surveyors, Ground Floor, River Court, Old Mill Business Park, Mill Lane, Godalming GU7 1EZ
- Brief: New Mechanical Air-handling Unit on first floor terrace for ladies'-only gym in the Sports Centre
- Use class order: E(d) – Indoor Sport, Recreation or Fitness (not involving motorized vehicle or firearms or use as a swimming pool or skating rink).
- Site: Education
- Flood Zone: Very Low Flood Risk
- Additional floor space created: Not applicable.

## 3. Features of the existing building and site

Brunel University Campus Sports Centre is situated in close proximity to the main road on the other side of a main roundabout to the Eastern Gateway Building which has the Main Reception. It is also surrounded by an indoor athletics centre, several academic and administrative faculty buildings, and students halls of residence buildings,

The Sports Centre Building is situated on 2 floors with rooms of varying headroom to accommodate different sports. The current Whistlestop Café is located on the first floor and can be accessed by a platform lift and indoor stairs. It is proposed to convert the Café into a Ladies-Only Gym.

The existing Café has a roof top terrace over the ground floor storerooms. Visibility and accessibility to the terrace is via glass doors and glazed side panels and fanlights. The roof top terrace is the intended site for this application.

## 4. Proposals

Description of proposed works and the design parameters and constraints.

### **PROPOSAL:**

The works consist the installation and fitting of mechanical ventilation (air-handling unit) on the first floor roof top terrace. The terrace has 1170mm balustrades with timber panels horizontal panels running behind the brick parapet edging to the terrace. The proposed AHU ductwork goes vertically across the existing glass doors and comes in through the fanlight into the internal spaces. The fanlights are removed to form an aperture for the ducts to go into the internal spaces. The glass doors and windows are obscured with privacy film.

### **APPEARANCE**

Ductwork is encased in metal casing and wrapped in grey film as in the picture below.

### **ACCESS**

- Internal access is via a wheelchair platform lift and internal stairs to the proposed gym leading to the terrace.
- External access is from the existing fire exit enclosed stairwell leading to car park.
- The gym is fully wheelchair accessible from the entrance to the fire exit.
- A place of refuge is proposed on the terrace, leading to the fire exit door around the corner to the gym.

### **LANDSCAPING**

- Not applicable

### **IMPACT**

- How it impinges on existing structure and how that has been dealt with

The mechanical plant is situated on the first floor open terrace on Big Foot stands. The handrails are 1170mm above terrace deck level. Part of the AHU is visible between the horizontal slats to the handrail and on the . The ductwork from the AHU will be encased, and it will go into the building through the fanlights.

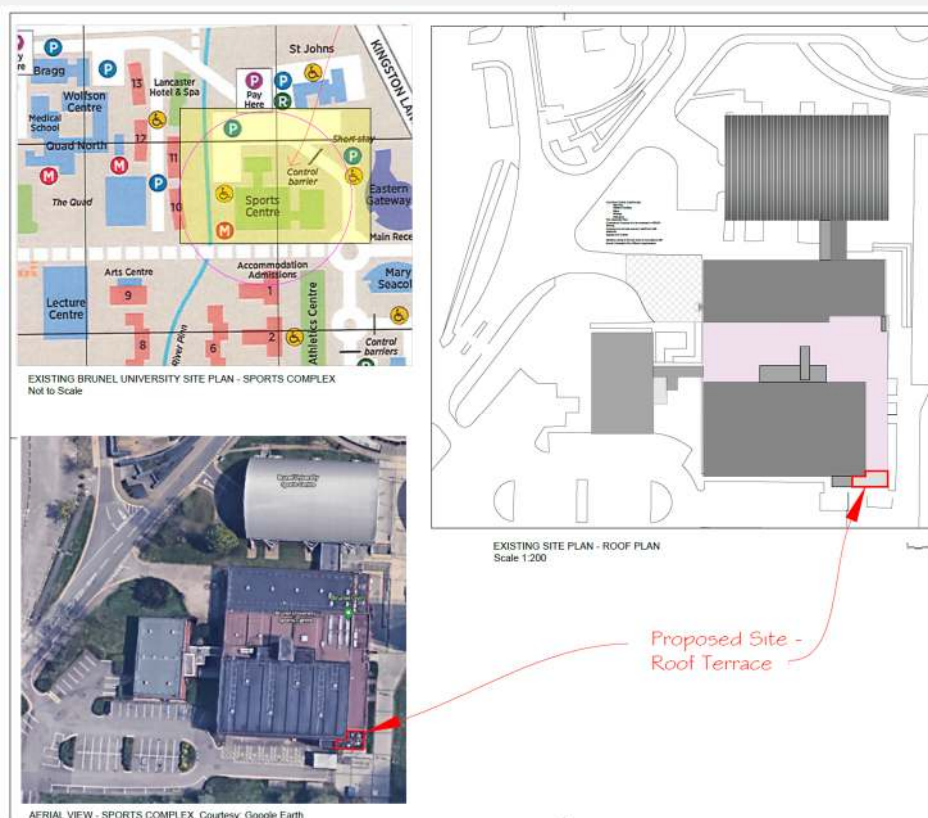
The vertical section of the ductwork will be visible above the handrail.

- How it impinges on existing site wide elements and how that has been dealt with.

The proposed scheme does not make any significant alteration to the circulation to the Sports Centre.

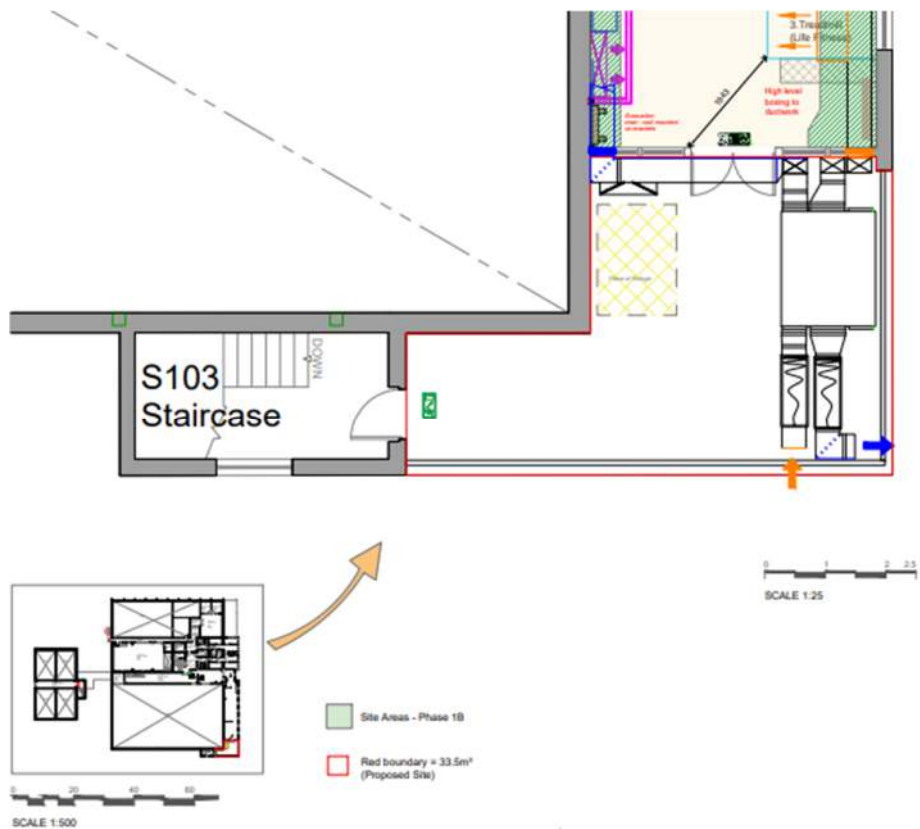
- Neighbouring properties

The proposed scheme does not make any significant alteration to the neighbouring properties. The proposed works are all within the curtilage of the site.

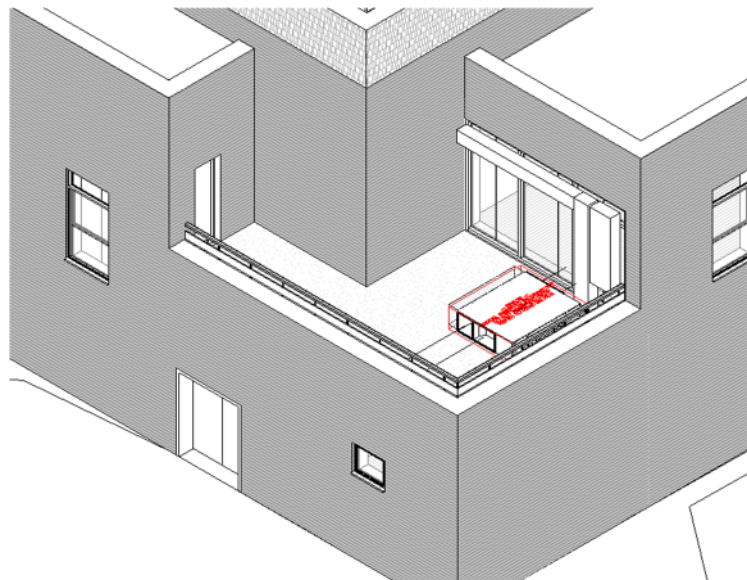


Existing Location and Site Plan

## PLAN OF FIRST FLOOR TERRACE WITH MECHANICAL PLANT

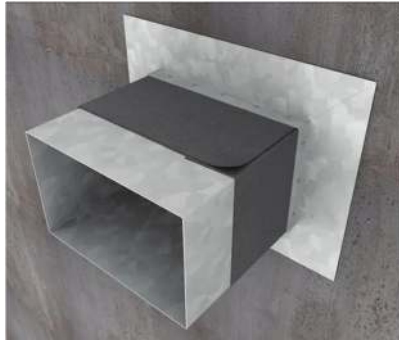


## 3D image of mechanical plant (AHU) on First Floor Terrace





## Duct Casing with Grey Sheeting Wrap



View of the Terrace for the AHU from the pedestrian street



View of the Terrace from inside the current café.





## **DRAWINGS**

- 223-03-01 Drawing and Document Issue Register
- 223-03-01 A1-00 – Existing Location Plans
- 223-03-01 A1-01 Rev 03 – Existing Proposed Site Plan – Phase 1B
- 223-03-01 A1-11 – Existing First Floor Plan – Phase 1B
- 223-03-01 A1-12 – Proposed First Floor Plan – Phase 1B
- 223-03-01 A2-04 – Existing Elevations – Phase 1B
- 223-03-01 A2-05 - Proposed Elevations – Phase 1B

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## **DRAWINGS AND DOCUMENTS BY OTHERS**

### **Ingenium Consulting Engineers (Mechanical and Electrical Services)**

- P23532 – Particular Specification for Mechanical and Electrical Services
- P23532 M100 Phase 1B First Floor – Proposed Mechanical Services
- P23532 E100 Phase 1B Proposed Lighting and Fire Alarm Layout
- P23532 E200 Phase 1B Proposed Small Power Layout