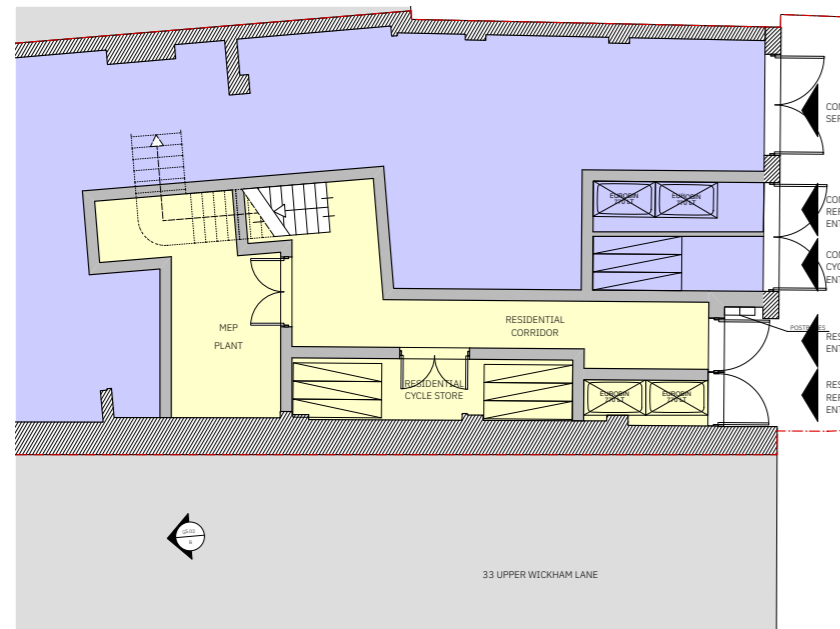


## 6.0 DESIGN PROPOSAL

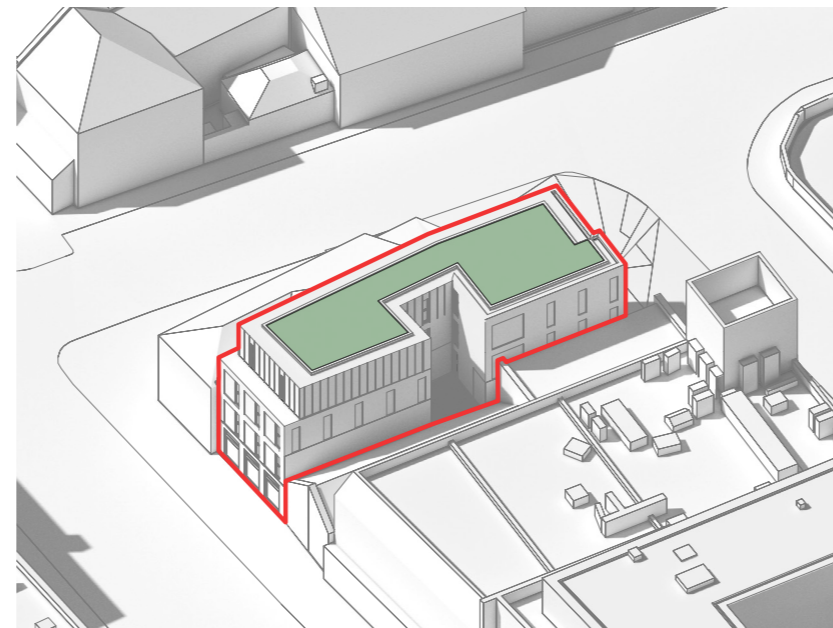
### 6.7 REFUSE & CYCLE STORE

- The residential use benefits from x cycle spaces, serving all inhabitants. The cycle storey is accessed internally, providing secure long stay spaces.
- The commercial use will be provided with x cycle spaces internally, separate to the residential cycle store.
- The residential refuse store is located at the rear of the building, accessed externally. 2 x 660L bins have been provided to serve all inhabitants. 1 bin for general waste and 1 bin for recycling has been provided.
- The commercial use has been provided with a separate refuse store, also accessed externally at the rear of the building. The provision will be dependent on the future occupier of the commercial unit.



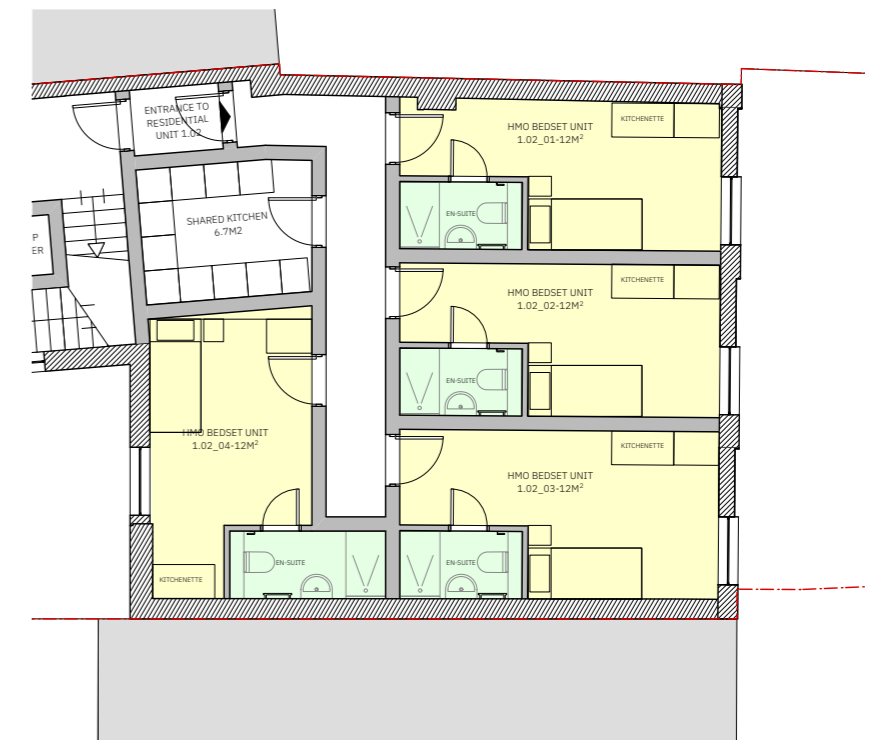
### 6.8 LANDSCAPING & SUDS

- A green roof will be created to increase the sites ecological value.
- This will also help soften its impact on the surrounding area.
- The green roof will help to store water and offer a sustainable urban drainage system to reduce the risk of flash flooding.



### 6.9 INTERNAL ACCOMMODATION

- Each bedsit will be provided with storage and a kitchen with a a hob. The kitchen within the bedsit is located away from the means of escape.
- A shared kitchen is also provided for each apartment.
- All bedsit rooms have their own en-suite provided with WC, sink and shower facilities.



## 6.0 DESIGN PROPOSAL

### 6.10 PRODUCT & SYSTEMS: RENDER SYSTEM COMMENTARY

We have decided to propose a rendered product for the following reasons:

- Render can be applied to the existing external retained walls and extension walls. This makes the building read as one.
- Render is used commonly in the area.
- The extension walls can be lightweight SFS with an insulated panel fixed from which the render is applied.
- This keeps the extension lightweight – reducing its impact on the existing structure.
- Extension could be steel frame, timber frame or masonry, offering flexibility.
- Simple to construct.

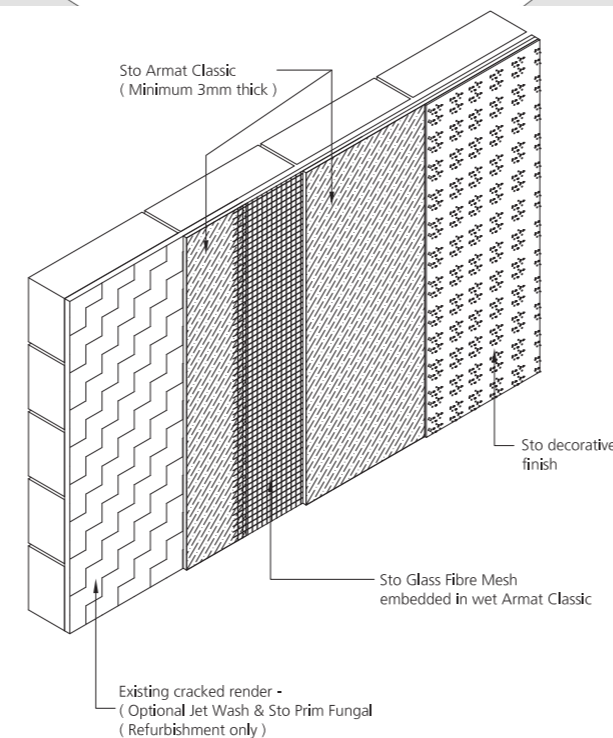
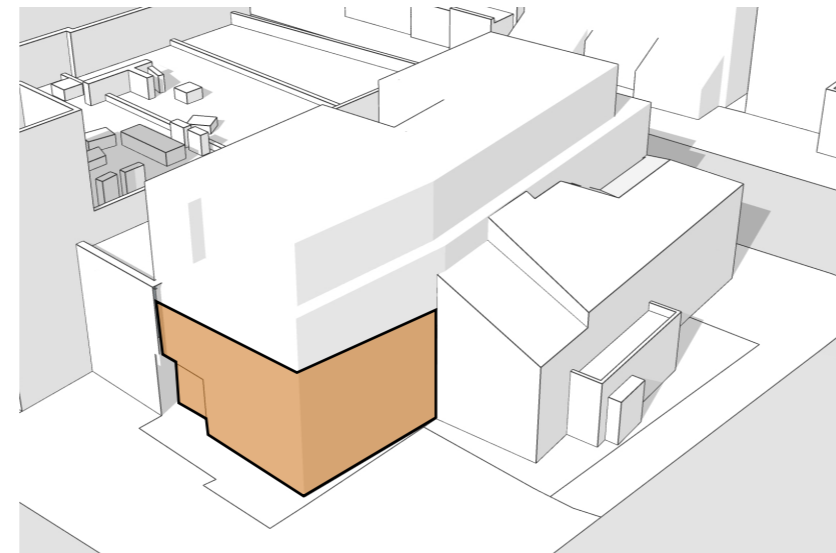
In this instance, we contacted STO systems for guidance, and they supplied the document information presented on this page.

The new wall system relies on a Rockwool wall insulation panel which is non combustible.

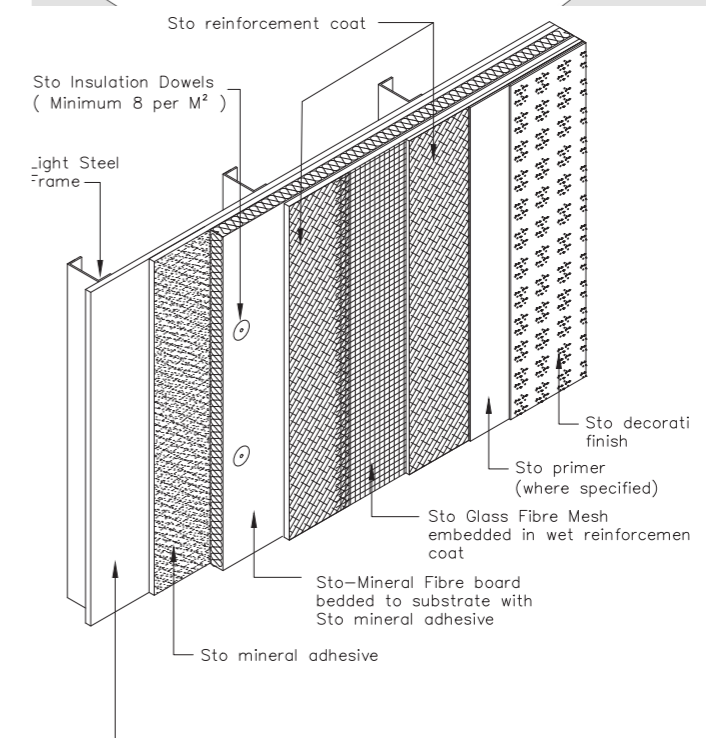
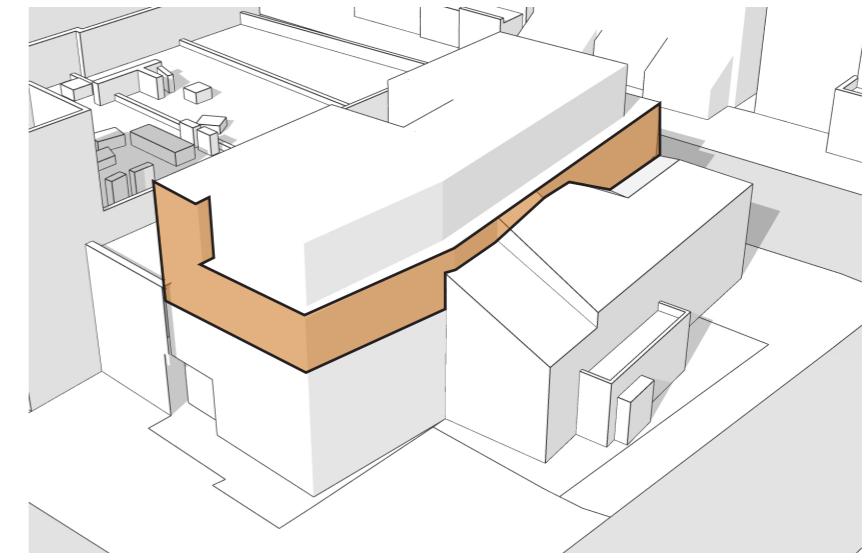
A cheaper panel is available but this is combustible, and therefore cannot be used for this project due to the buildings proximity to the boundary.

To the existing building, we are retaining the existing external walls. Our intention is to remove the existing render, if required, and render over the top to improve the finish.

### 6.11 RENDER TO EXISTING WALLS



### 6.12 RENDER TO NEW WALLS



## 6.0 DESIGN PROPOSAL

### 6.13 ROOF SYSTEM COMMENTARY

We have decided to propose a zinc roof/wall cladding product for the following reasons:

- Can be installed to a timber or steel frame via plywood. offers flexibility of construction.
- This means the structure will be lightweight - reducing its impact on the existing structure. This may avoid expensive and extension foundation works.
- Extension could be steel frame, timber frame or masonry, offering flexibility.
- Simple to construct.

The adjacent images show a standing seam product. This is used for wall and roof claddings, so it is suitable for both options.

### ROOF CLADDING

