



roof garden concept
design

Flitcroft House
114-116 charing cross road

220420





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introduction

introduction to Phil Allen Design

We a Chartered Landscape Architecture studio underpinned by 25 years of professional experience. We provide a complete design service specialising throughout the UK.

Our services include

- Landscape Architecture
- Public Realm
- Vertical Gardens
- Garden Design

We have a reputation for delivering high-quality designs at a wide range of scales for the residential, hospitality and commercial market sectors.

We believe our great passion for nature has created some truly distinctive work, which forms an asset to the development, community and environment. Our work aims to be striking, enduring and sustainable.

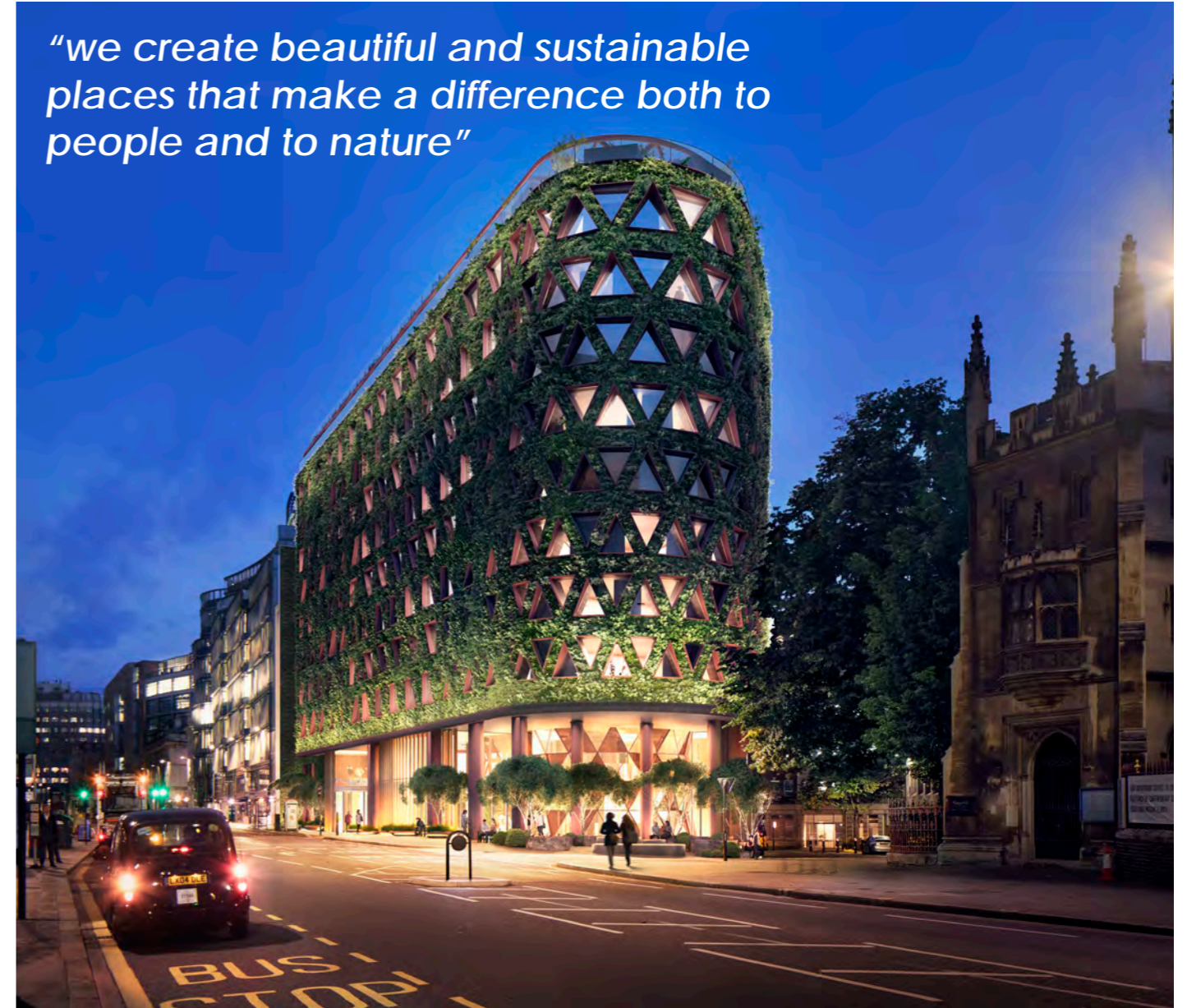
We pride ourselves in working closely with our clients and teams and take an individual approach to each and every project.

We look forward to working with you.

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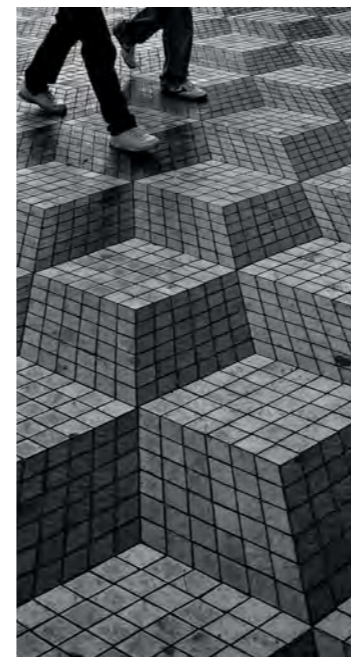
Public Realm: New Marlborough Yard, Southwark



Urban Greening: Citicape House, City of London



Roof Gardens: Treehouse Hotel, Regent Street





analysis

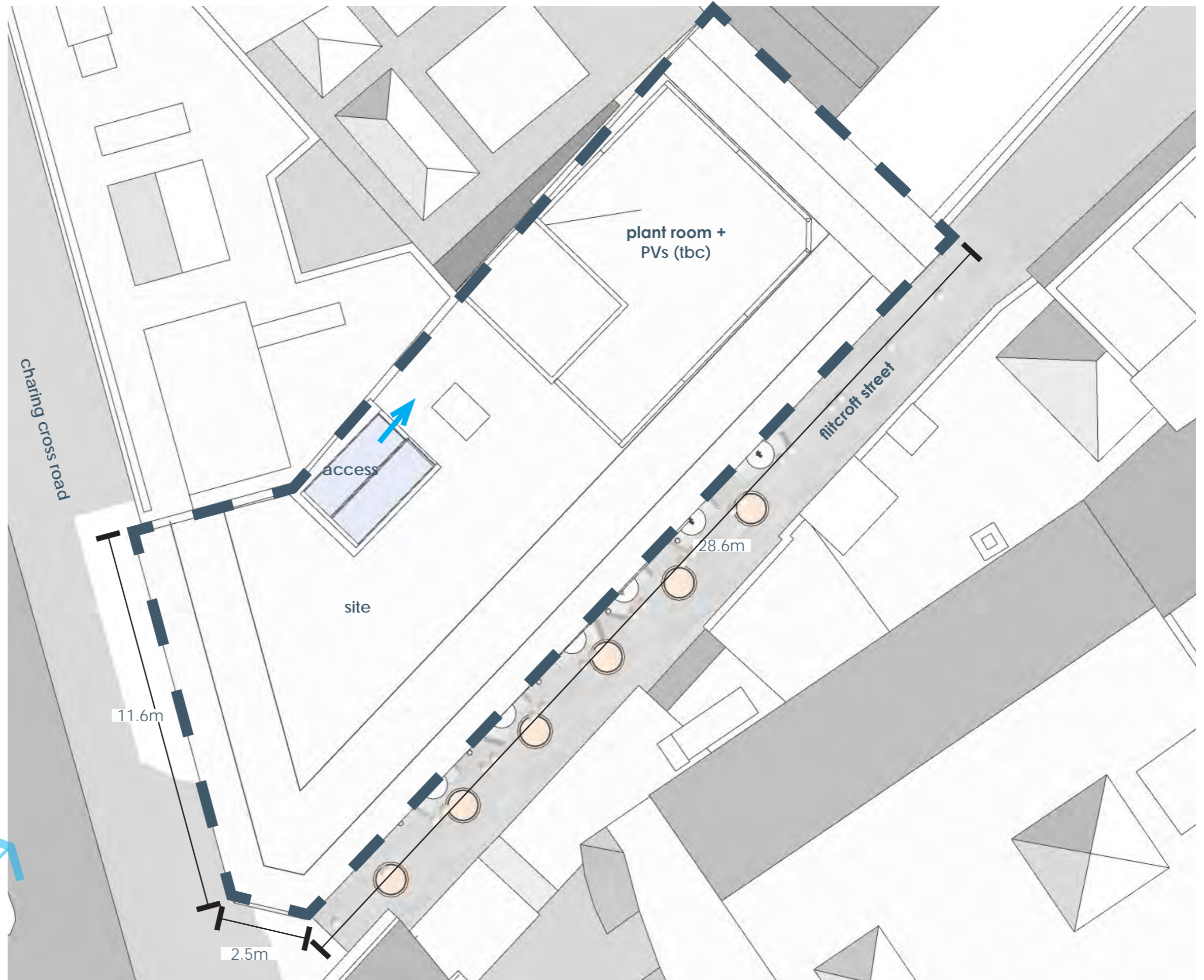
analysis

Dimensions:

roof terrace: 118m²

PV area (potential roof terrace): 64m²

Access: from the stairs via sliding hatch



sun + shadows : march morning and afternoon

The following study was undertaken to understand the amount of sun and shadow the scheme will receive throughout the day. March is an appropriate month to take such studies as it represents a yearly average, being the Spring equinox.

In summary, the study of the sun and shadows of the proposed scheme is as follows. The terrace will be fairly sunny throughout the day.

The roof garden is predominantly south facing and enjoys sun for most of the day throughout the year, which the design will seek to capitalise on. Due to the strong south-westerly winds across London, the design should incorporate extensive planting to create a buffer to prevailing winds.

Importantly, the roof gardens receive plenty of direct sun after 5pm from April until August.



fig.1 - march 9am

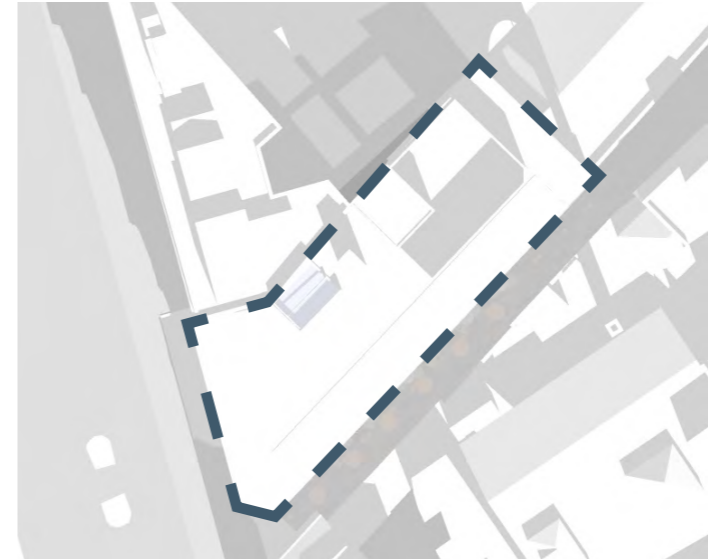


fig.2 - march 11am

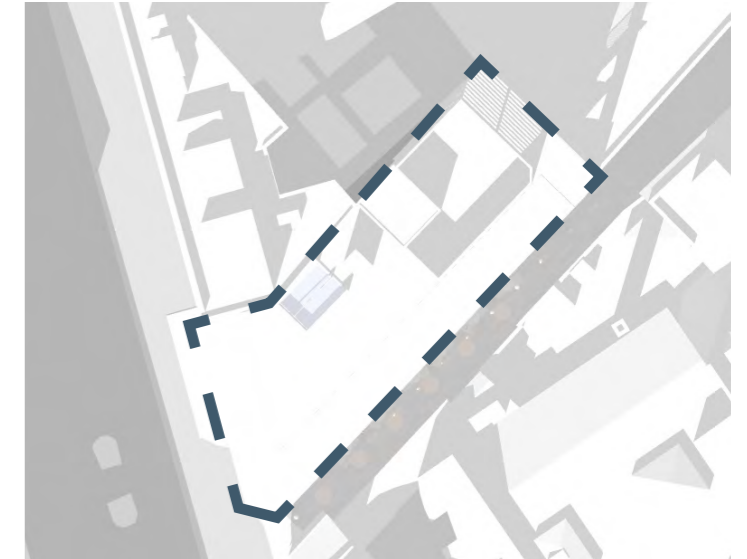


fig.3 - march 1pm



fig.4 - march 3pm



fig.5 - march 5pm

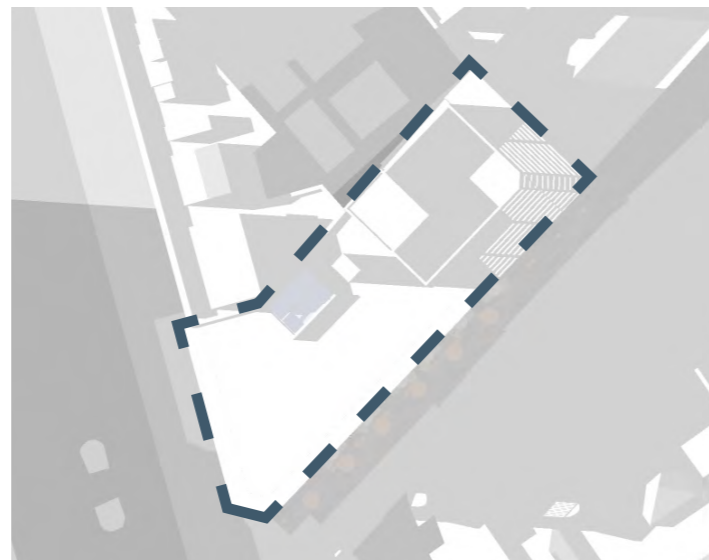


fig.6 - june 5pm

analysis: key views

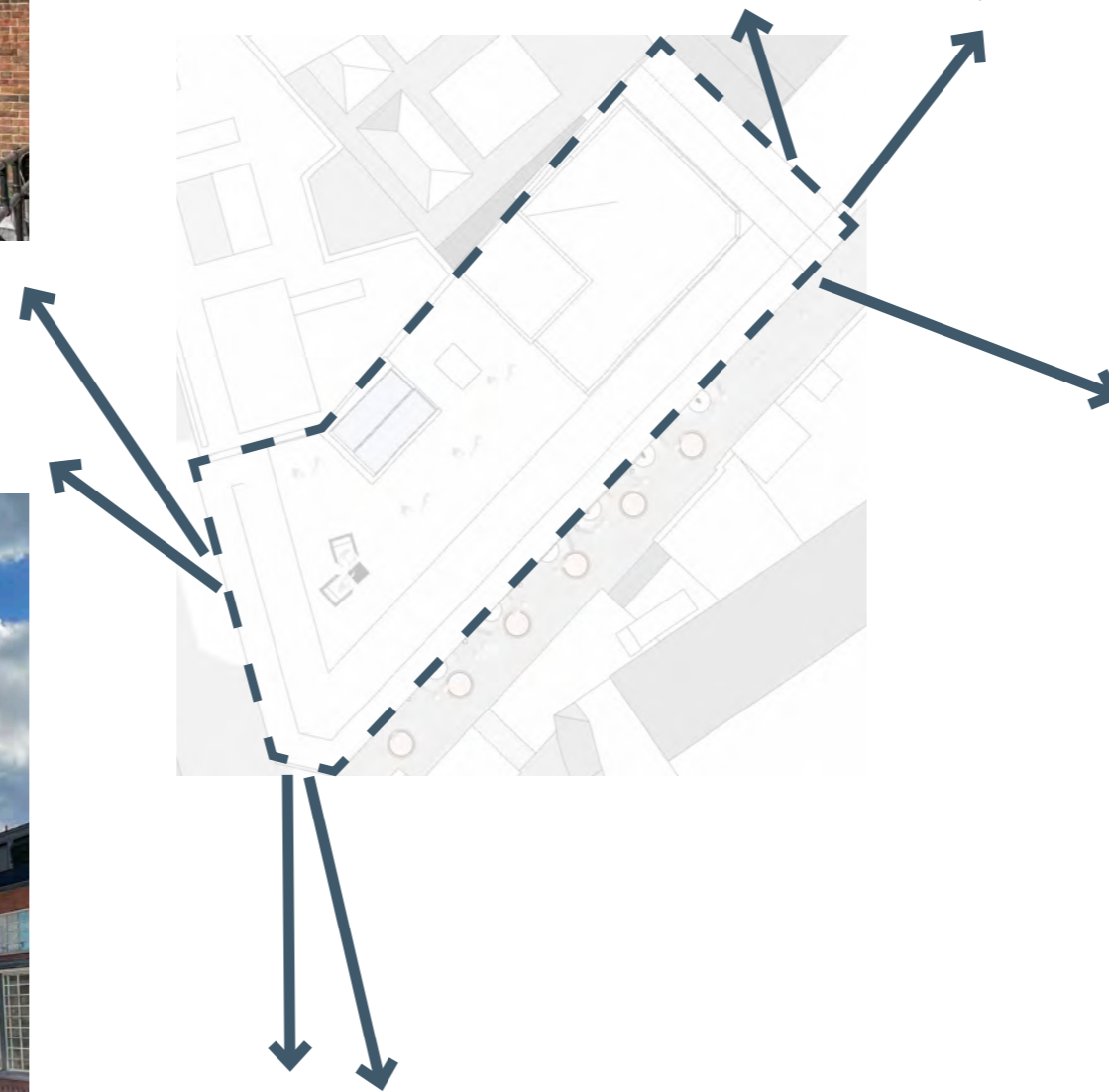
The roof garden's most compelling and interesting view is to the North-East looking at the tower and gardens of St. Giles in the Fields. Other key views are looking up and down Charing Cross Road.



north-west towards Charing Cross



north-east towards Center Point, St. Giles in the Fields, The Phoenix Gardens



east towards the London City



south toward Charing Cross, Westminster and the House of Parliament

analysis: visual detractors

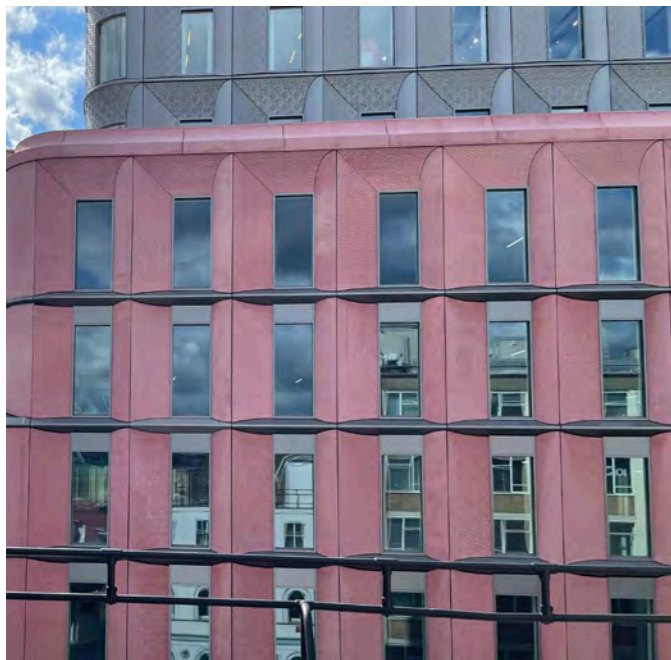
The main visual detractor:

- adjacent on the roof of no. 120 Charing Cross plant room and mobile system infrastructure;
- Foyles upper facade building located directly opposite;
- Roofs and buildings of 100 Charing Cross and 125 Shaftesbury Avenue

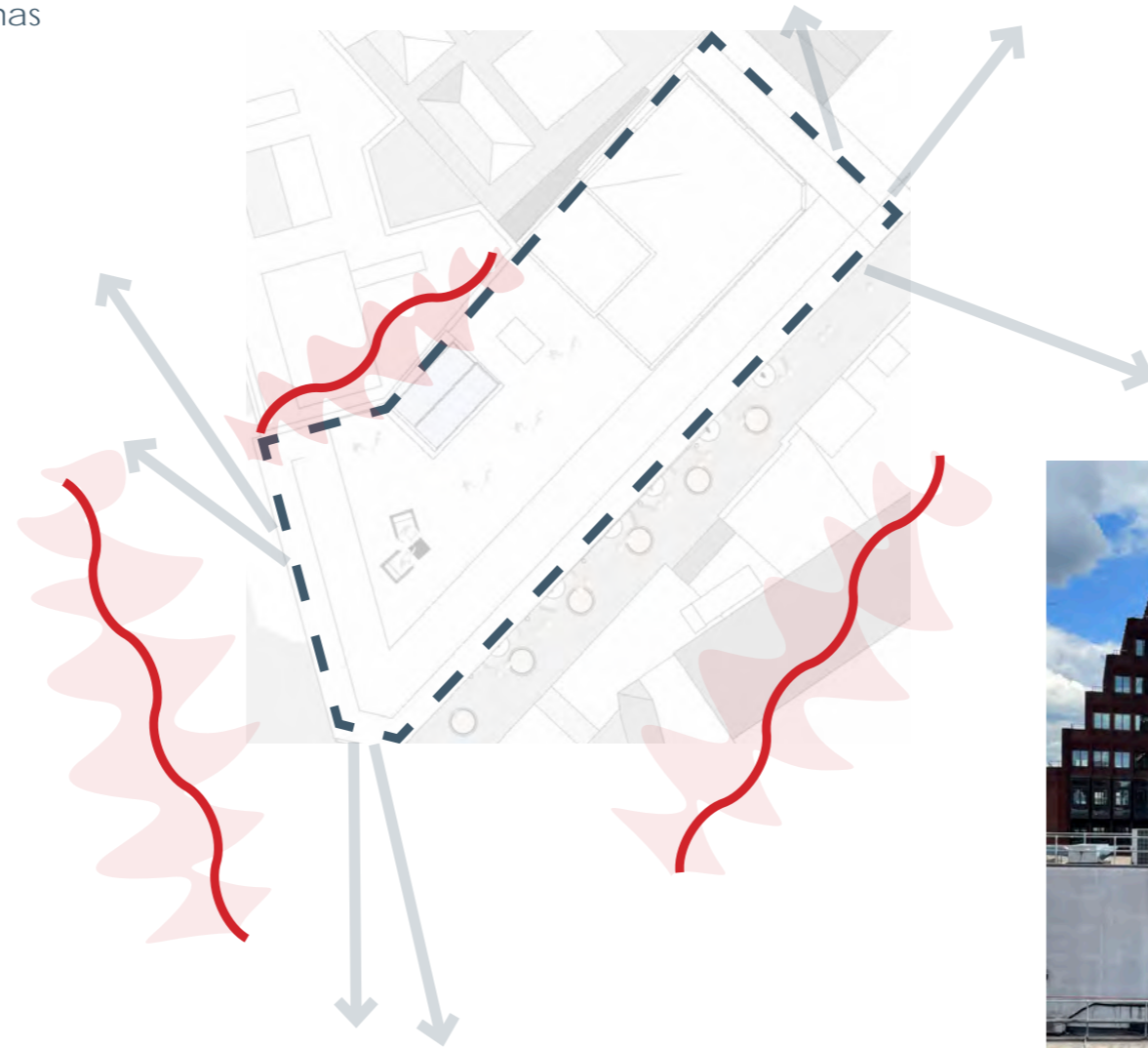


north towards no. 120 plant room and mobile antennas

The roof garden has great potential to become a real asset to the building. It enjoys year-round sunshine, and with tree planting can be protected from strong winds. There are wonderful views available, and with careful planting, less attractive views can be softened.



west towards Foyles no. 107 Charing Cross



south-west towards no. 100 Charing Cross and 125 Shaftesbury Avenue



inspiration

inspiration

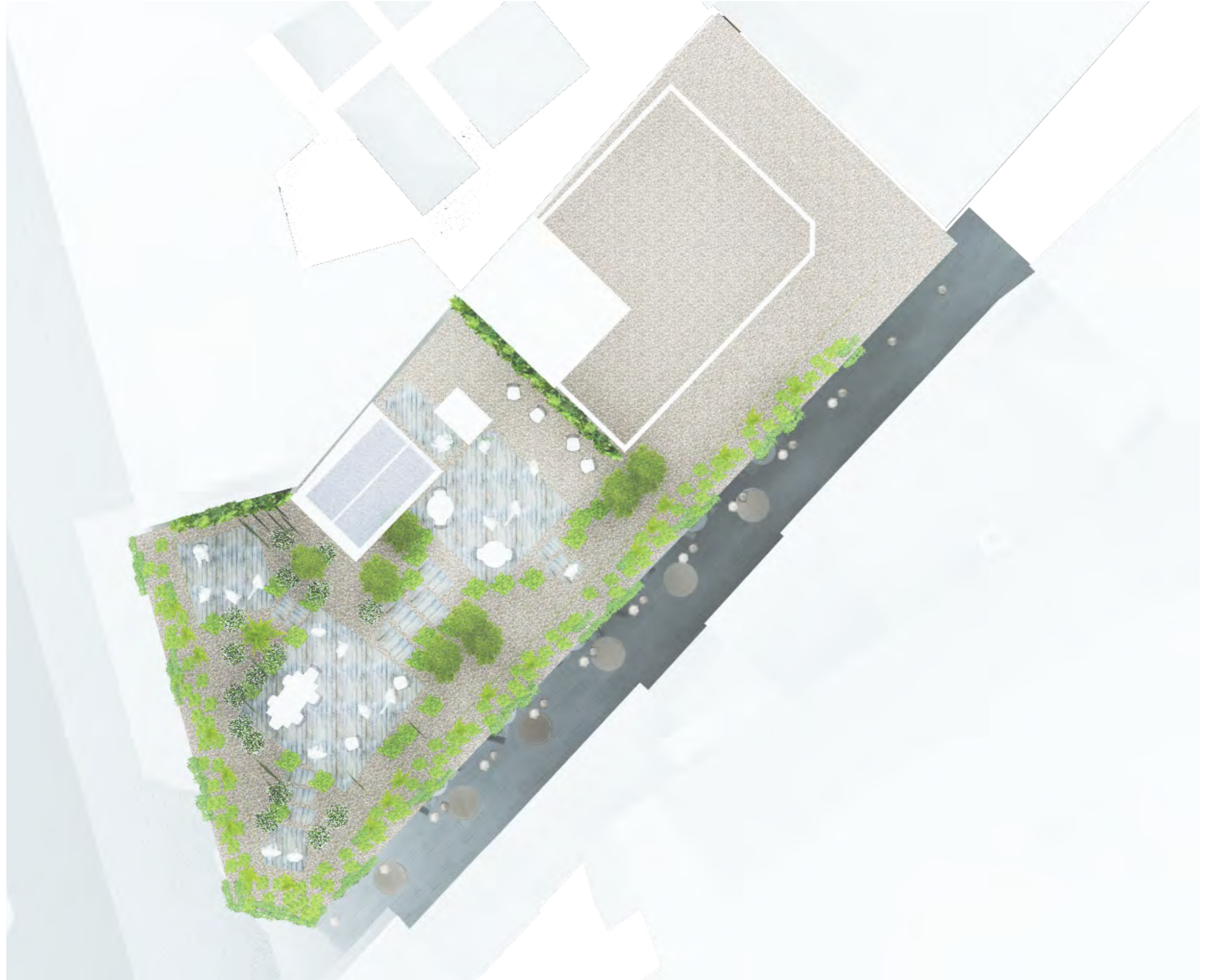
- Flitcroft House represents an opportunity to rethink what an office can and should be. Through the creation of an exceptional new roof garden, a special green place can be made that promotes staff wellbeing, that enriches the lives of the tenants with plants and places to socialise and meet. A garden to suit flexible working, or secluded places to get some fresh air and some peace and quiet
- At the same time, Flitcroft House Roof Garden will insulate the building, provide biodiversity and a green oasis in the city. It can become a significant asset to the scheme and a destination in it's own right.







concept



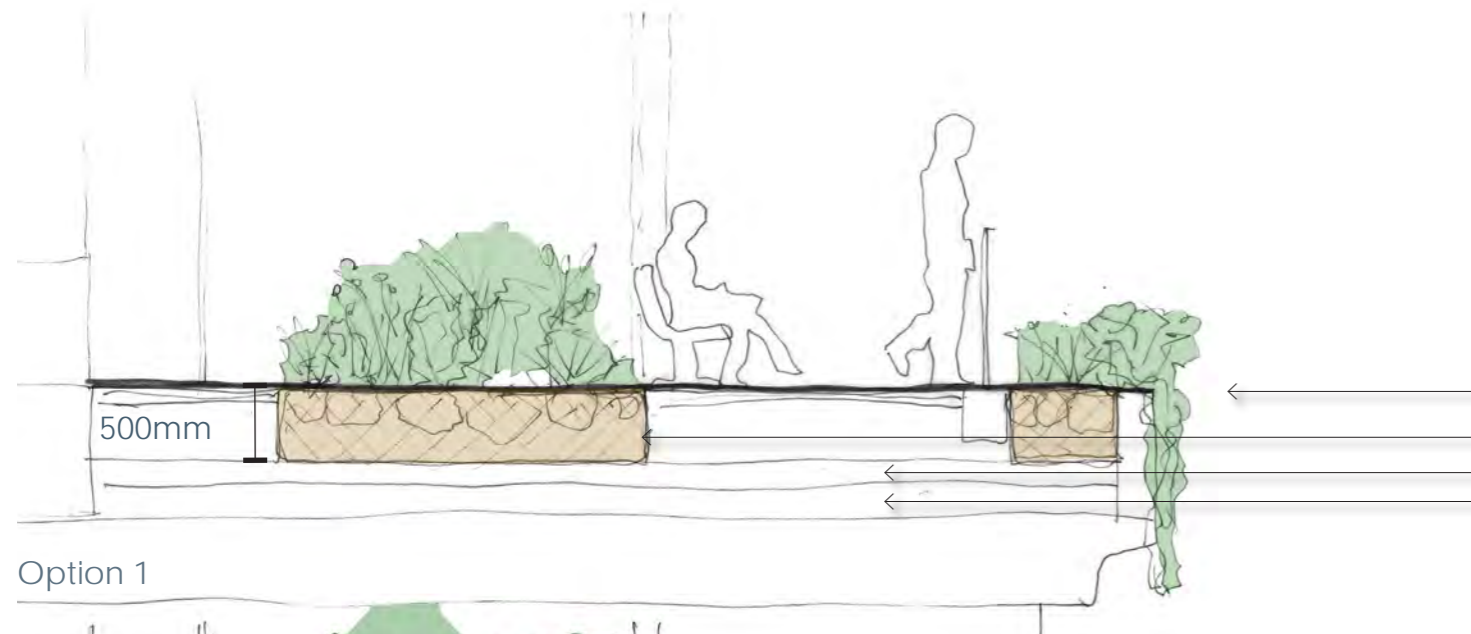


large deck area

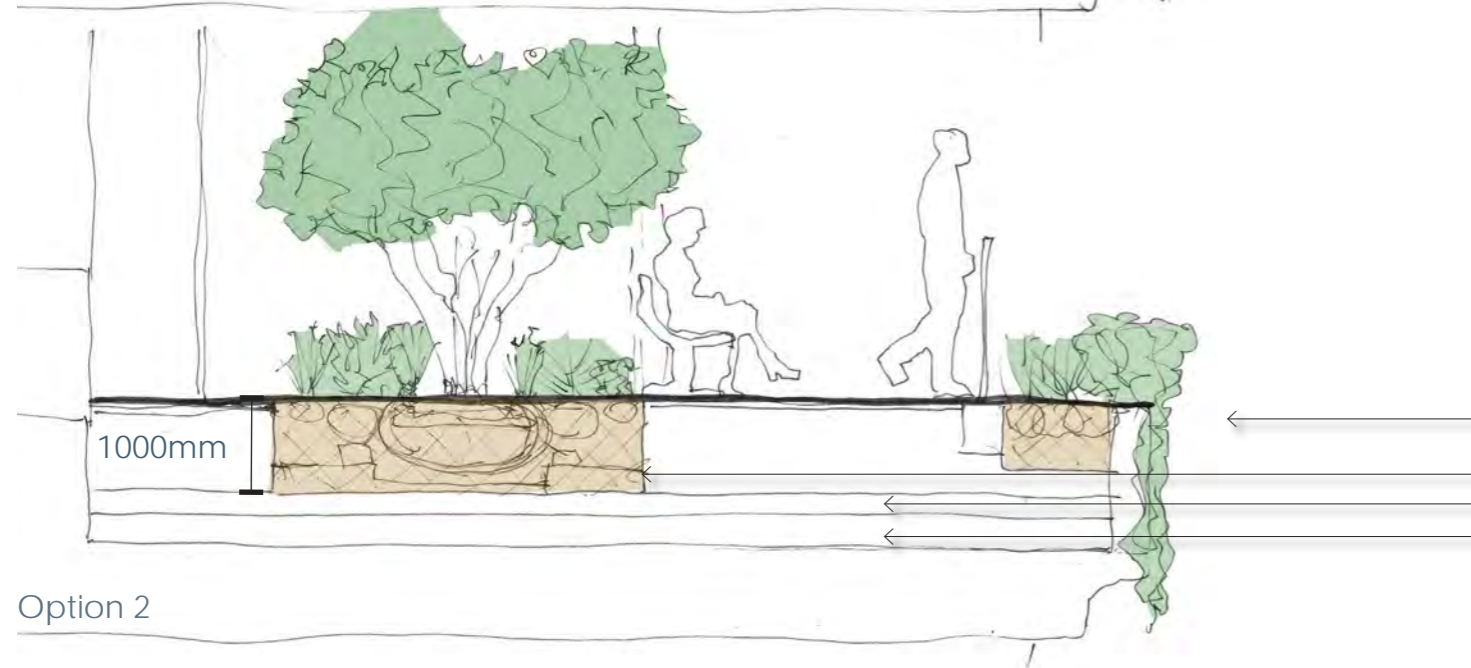




roof garden section sketches: option 1 & 2



Option 1



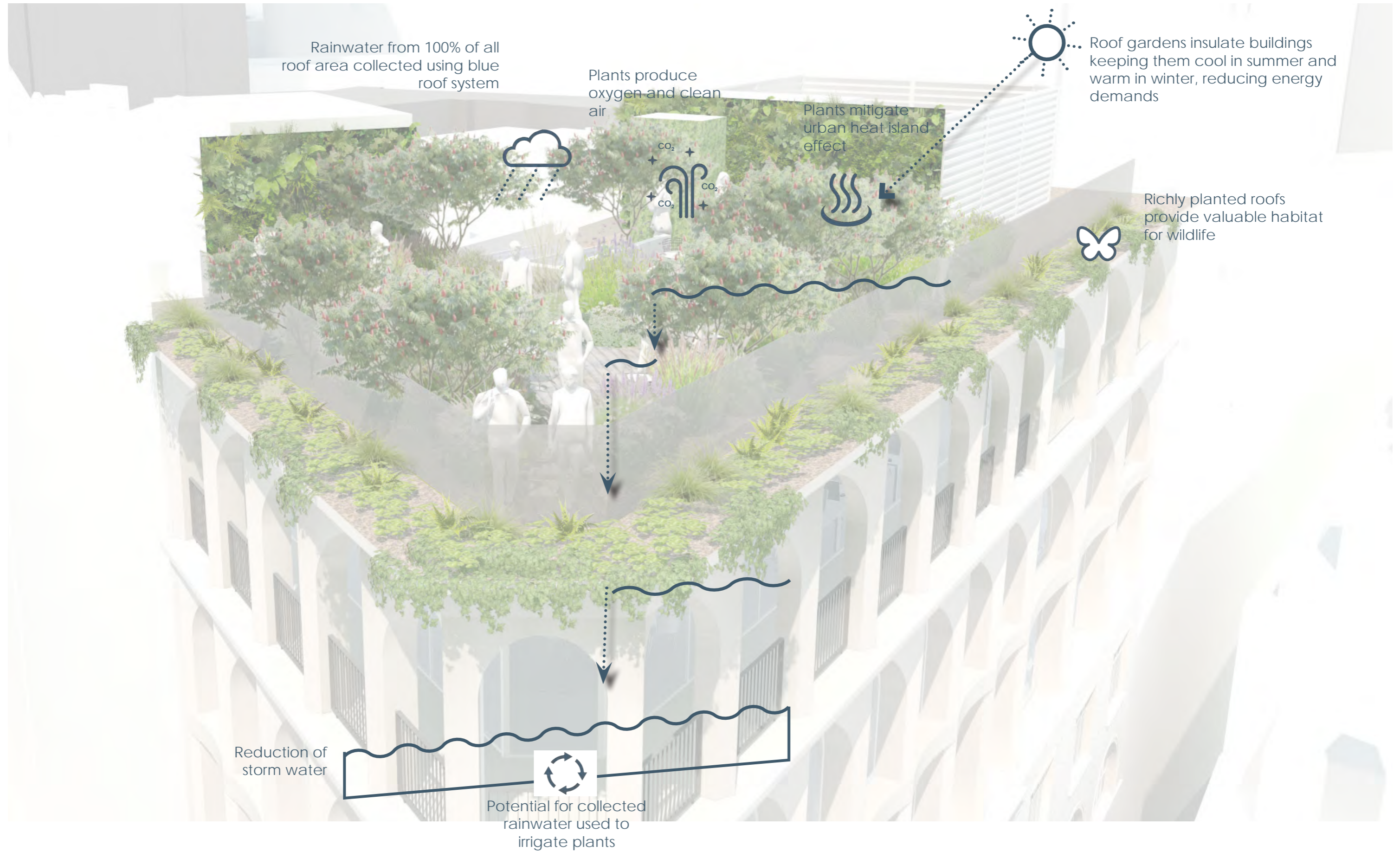
Option 2

Raised parapet edge
500mm of lightweight soil
Blue-roof, by others
Insulation, by others

Raised parapet edge
1.0m of lightweight soil
Blue-roof, by others
Insulation, by others



benefits of the roof garden





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