

# **5.0 DESIGN DEVELOPMENT**

5.1	FORM STUDIES
5.2	CONCEPT DEVELOPMENT
5.3	FORM & FUNCTION
5.4	FACADE CONCEPT
5.5	FACADE MATERIALS
5.6	PRECEDENTS

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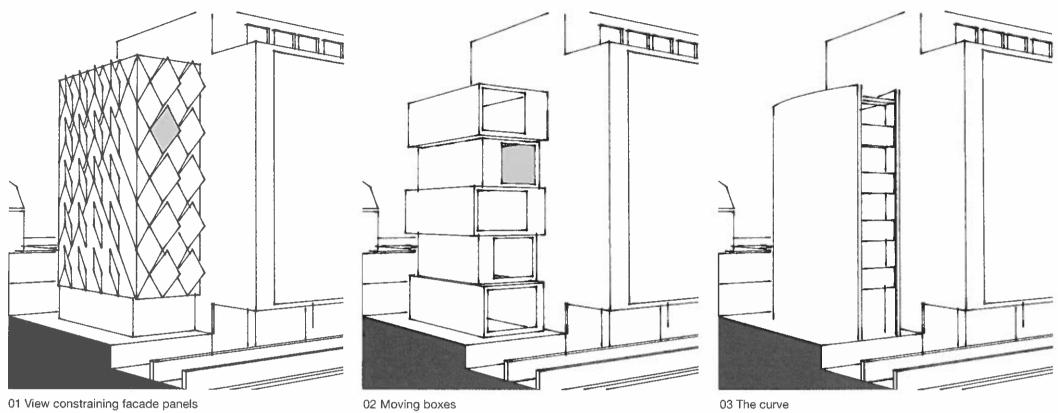
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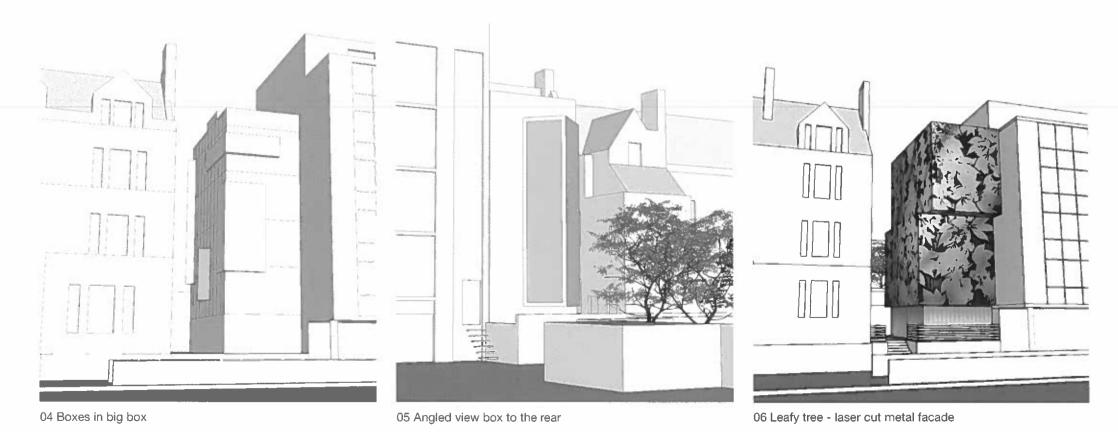
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### DESIGN DEVELOPMENT

A series of design proposals were prepared to investigate the form of the proposed building:

- 01 Shows a design allowing only angled views through the facade to increase privacy and minimise overlooking.
- 02 Movement a number of boxes are articulated to form the facade.
- 03 A curved volume is tested detaching itself from the neighbouring flank wall.
- 04 Boxes within a box windows appear as boxes behind and push through the facade.
- 05 An angled window box is introduced at the rear to prevent overlooking of the neighbouring gardens.
- 06 A laser cut metal facade mimics the character of the leafy green gardens behind the site.









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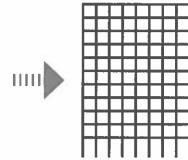
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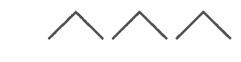
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02 The grid





03 The bank



04 Merged

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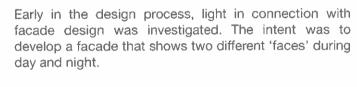


the neighbouring buildings.

LIGHT AND FACADE

pitched roofs and 'playful' facades.

**DESIGN DEVELOPMENT** 



The characteristics of both neighbouring buildings were

assessed. The office building displays a strong rigid

façade grid and a flat roof. In contrast the former bank

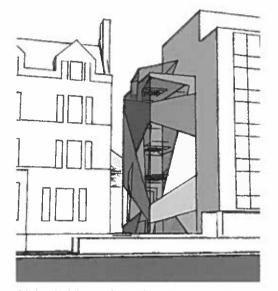
as well as the conservation area are characterised by

Therefore, the resulting design does not intend to align

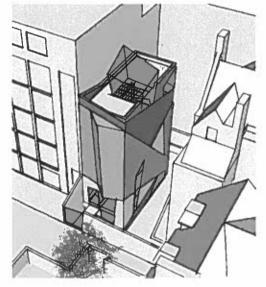
itself to either the floor heights or the design of either of

The images show various models investigating the

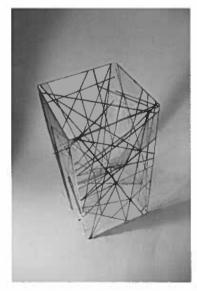
contrast between the vertical and the diagonal.



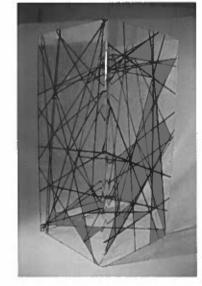
05 Angled lines - front view



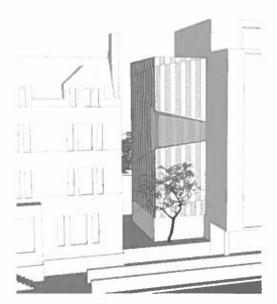
06 Angled lines - top view



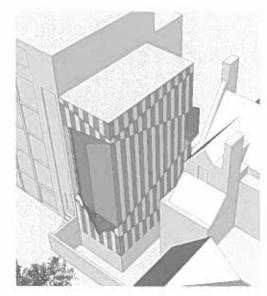
07 Model study - view 01



08 Model study - view 02



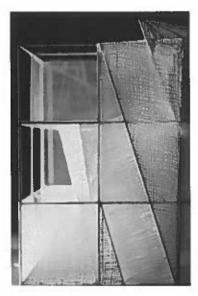
09 Intersected grid - front view



10 Intersected grid - top view



11 Light study



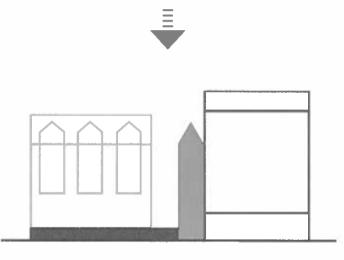
12 Intersected cube

### 5.3 DESIGN DEVELOPMENT | FORM & FUNCTION

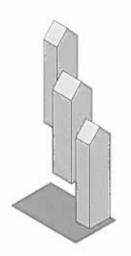


01 Form analysis

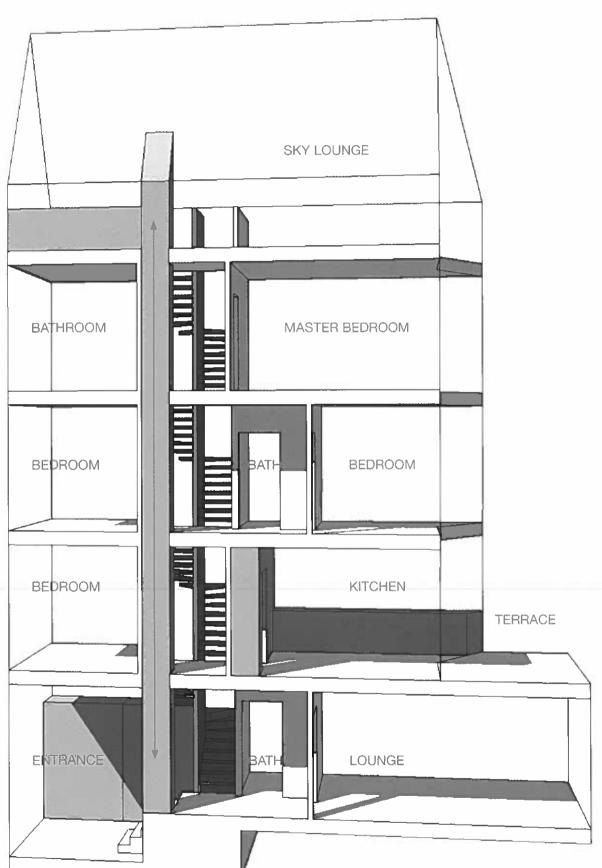
(1)



02 Composition



03 Fragmentation



04 Functionality study

### FORM & FUNCTION

#### **FORM**

A build form was developed that refers to the pitched roof as an urban design characteristic of the Conservation Area. In this way, the proposed building links itself to the conservation area, in order to create one continuous urban design element, as set out in the urban design strategy.

### **FUNCTION**

Due to the limited width of the site, a commercial building proved to be financially as well as functionally inviable, once a lift was put in. A shop at ground floor level fell below the usable minimum requirements, once ancillary spaces were provided.

As a result a single residential house is proposed set over five floors including ground. The gross internal area is below 200sqm in line with Policy DP1.

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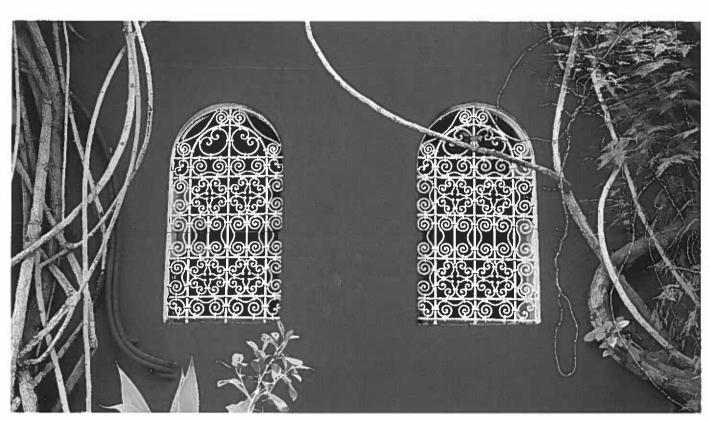
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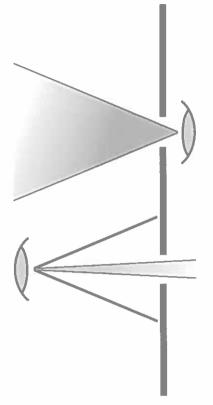
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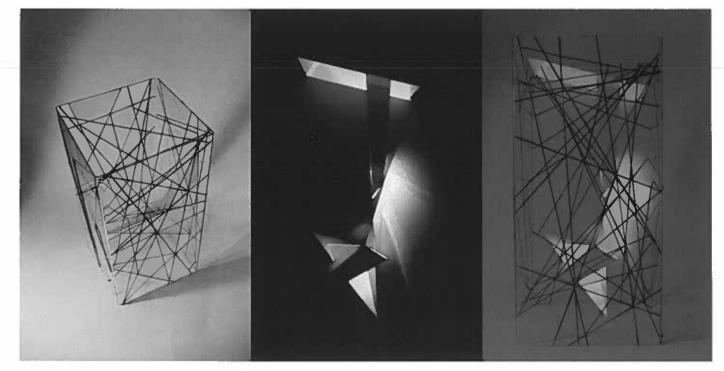




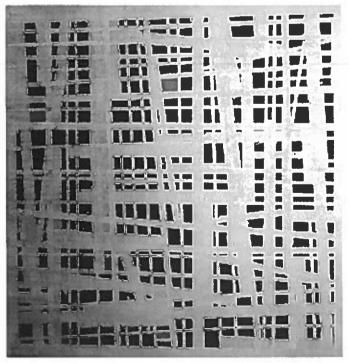
01 The Moroccan window uses a fine mesh to provide views out but not in



02 The Moroccan Window Principle



03 Design development series overlaid



04 Facade inspired by artist: Michael Taubenheim

### **FACADE DESIGN**

As the building is located closely to the Finchley Road pavement, overlooking and being overlooked became the key criteria for the facade design. A further key aspect was natural ventilation.

The principle of the 'Moroccan Window' was used to maximise outlook from the inside, but minimise overlooking from the outside. Traditionally, residents closer to the mesh can easily observe the outside. Pedestrians passing by however have difficulty looking in.

Our aim was to develop a facade that combines this window principle with our previous findings. A solution was developed together with the Berlin based **artist Michael Taubenheim.** 

Taubenheim's work is created through a collage technique using metal leaf, gold leaf and a special colour dyed silver leaf from Japan.

With his technique he created the art work 'Manhattan'. His piece read well with our investigations of diagonal patterns and provided an underlying, invisible order to what first appears as disorder.

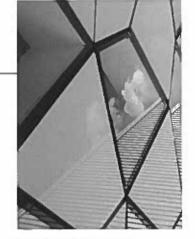


### FACADE DESIGN

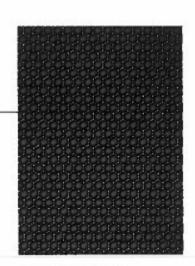
A facade was developed that provides two types of openings:

- a) Fixed window panels for light and outlook
- b) Noise attenuating ventilation panels with air filters

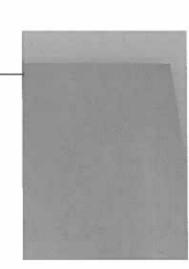
By combining the facade pattern with different types of openings, further patterns emerge that again change at night when different rooms are illuminated.



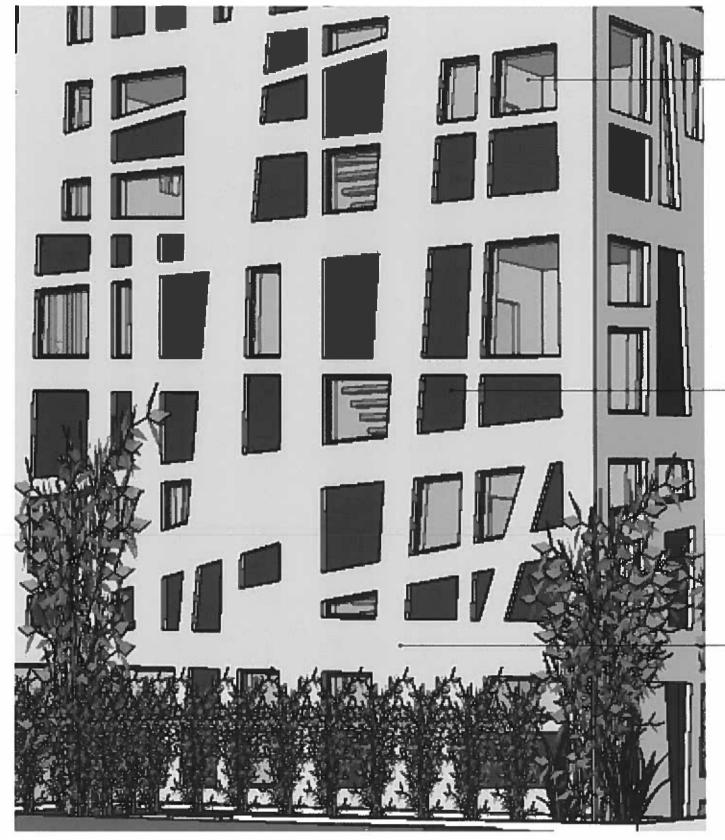
02 Fixed glass panels



03 Ventilation panels



04 KME - TECU gold



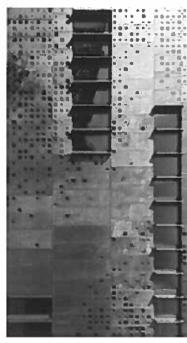
01 Proposed facade

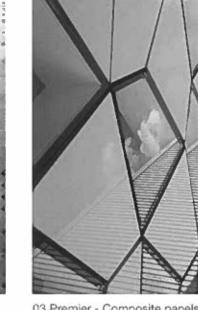


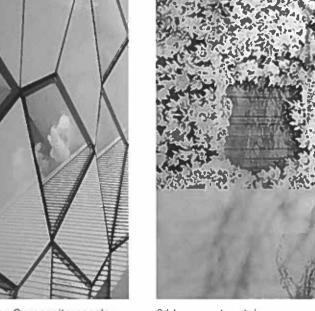




01 Casette pattern by F.O.A













02 KME - Laser cut metal

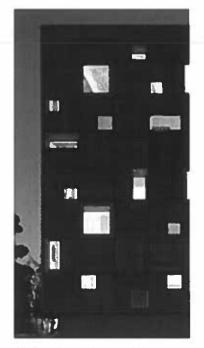
03 Premier - Composite panels

04 Laser cut metal

05 Stone and frame less windows

06 Euroeclad Linear 3

07 KME cassettes



08 Small openings - night



09 Smaller openings - internal view



10 Smaller openings - internal view



11 Louver system - internal view

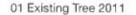


# **6.0 LANDSCAPE DESIGN**

- 6.1 ARBORICULTURIST LETTER
- 6.2 LANDSCAPE DESIGN







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02 Existing tree after a storm in March 2012



Mr. Russell Ambrose 128 Finchley Road LONDON NW3 5HT

Date:

06/07/2011 PRI17782

Our reference: Your reference:

Tree at 128-126 Finchley Road, NW3 5HT

Pursuant to your instruction I have been to site and inspected the subject tree. My findings are as follows:

The tree is a Myrobalan Plum (*Prunus cerasifera*). It is approximately 9m tall with a trunk diameter of 400mm when measured just above the root flare. It is growing in a very restricted environment and has come to the end of its safe useful life, as it has present on the stem, the fungal fruiting bodies of the decay fungi *Leatiporus sulphureus* (Chicken of the woods). Once the decay becomes extensive the stem will be significantly weakened at this point and failure will result. Considering the restricted nature of the immediate area around the tree, the risk of harm associated with any failure is low, but nonetheless the tree is not worth retained and should be removed when convenient.

I trust this is helpful, but if you do have any questions, please give me a call.

Yours sincerely,

Dear Russell,

Mark Welby P.D.Arb.(RFS) M.Arbor.A

cc.Frederic Akuffo (Autor Architektur Ltd)- via email



Tanners, Lower Street, Haslemere, Surrey, GU27 2PE.
TF1.: (01483) 425714 FAX: (01428) 641000 MOBILE: 07768 352000
EMAIL: mail#acdarb.co.uk WEBSITE: www.acdarb.co.uk
Director: 5.1, Daic, Dip.LA MLI, M. Welby, Tech Cort (AA), Dip.Arb(RFS), M. Arboi A.
ACD Arboniculture Utd. Registered Office: Doric House, 132 Station Road, Chingford E4 6AFF. Company Registration No: 0143406

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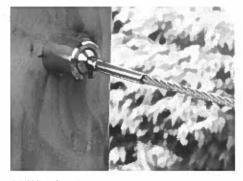




01 Landscape masterplan



05 Timber decking



06 Wire fencing



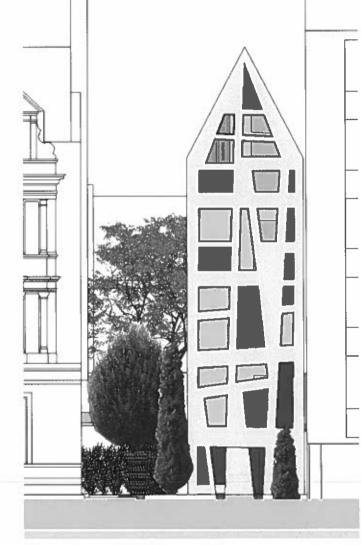
02 Conifer tree and hedge



03 Hornbeam tree



07 Distinct lighting design



04 Street view (subway wall not shown)



08 Underplanig with a mixture of native grasses

### LANDSCAPE DESIGN

The landscape design aims to improve the site's biodiversity, replace the previously existing tree on site and to create a visual interest within the Finchley Road facade frontage.

The landscaping will be of high quality and be carefully detailed to make best use of the limited space available. Natural surveillance, an access gate and wire fencing will address Secure by design.

An Aspeliad trees (such as Hornbeam or similar) is used as a visual 'barrier' in the centre of the site, providing privacy to the private terrace behind.

A Conifer trees (Cupressocyparis leylandii, or similar) is proposed at the front edge of the site to provide a formal and evergreen tree year-round.

The Hornbeam tree will be under-planted with a mixture of native grasses and perennials to provide additional privacy between the courtyard and the street.

The landscape design illustrated in image 04 is intended to address the appeals inspectors comments as well as the pre-application request by:

- 1) providing a visual transition.
- 2) providing a relief in an otherwise built up frontage.
- 3) respecting the setting of the former bank (128).
- 4) providing a fleeting glimpse of the area behind.
- 5) replacing the former existing tree with three proposed trees.

In this sense the overall landscape design intends to exceed the points above and transform the site's existing appearance.



# 7.0 ACCESS STATEMENT

- 7.1 ACCESS PAVEMENT LEVEL
- 7.2 ACCESS REAR ACCESS ROAD

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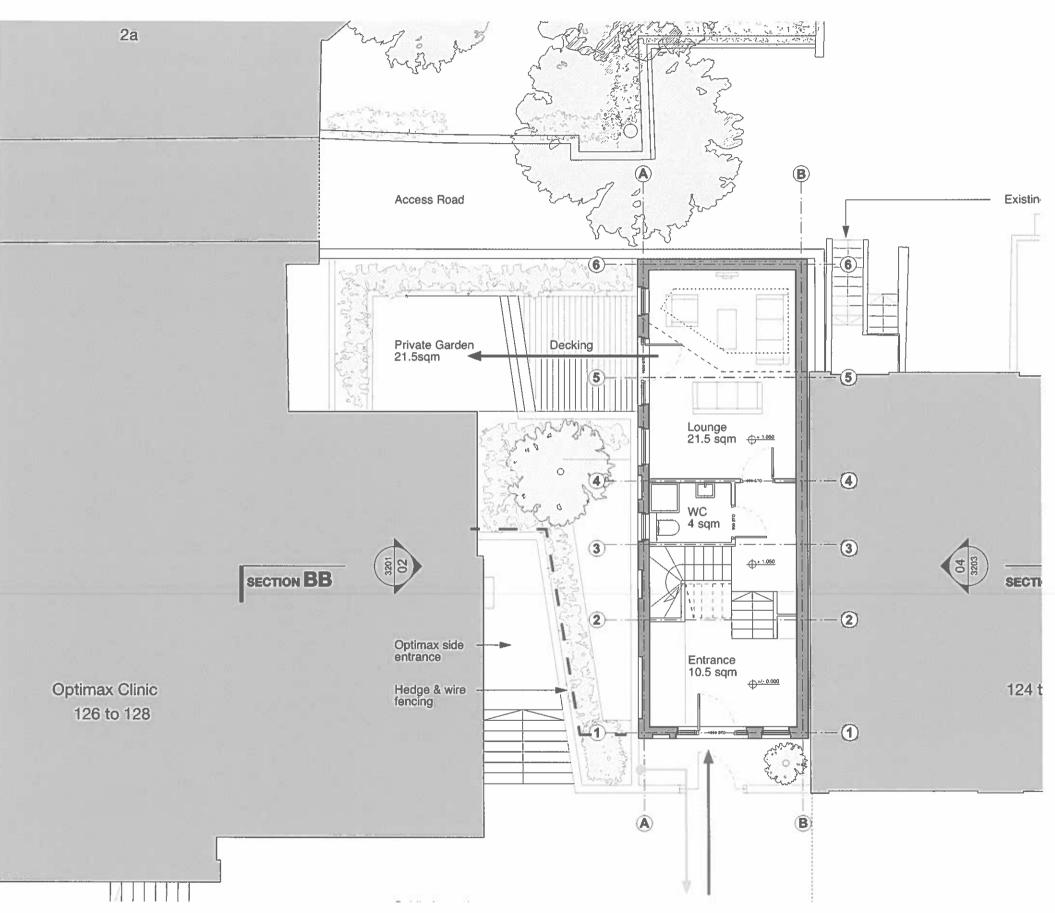
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#### ACCESS STATEMENT

The scheme has been designed to satisfy Life Time Homes Standard and crime prevention (ODPM/Home Office, 2003)

#### PEDESTRIAN ACCESS

Step free access is provided on ground floor level from Finchley Road and from the rear access road to the car park at first floor level. There is also level access from the lounge into the garden. The side entrance to the former bank is retained, unaltered.

### SECURE BY DESIGN

The rear garden area of the site is fenced off by a wire fence within a hedge as indicated by the dashed blue line at the top of the stairs. All ground floor doors and windows will comply with BS7950 and PAS24.

### NATURAL SURVEILLANCE

The garden area is naturally overlooked by the various openings in the facade of the proposed new building.

#### LIGHTING

At night the site will be lit with lighting levels in compliance with BS5489 to provide a 60% colour rendition and 40% uniformity.

#### REFUSE Collection

The refuse store is located within the boundary wall of the site and accessed at Finchley Road pavement level.

- WIRE FENCE

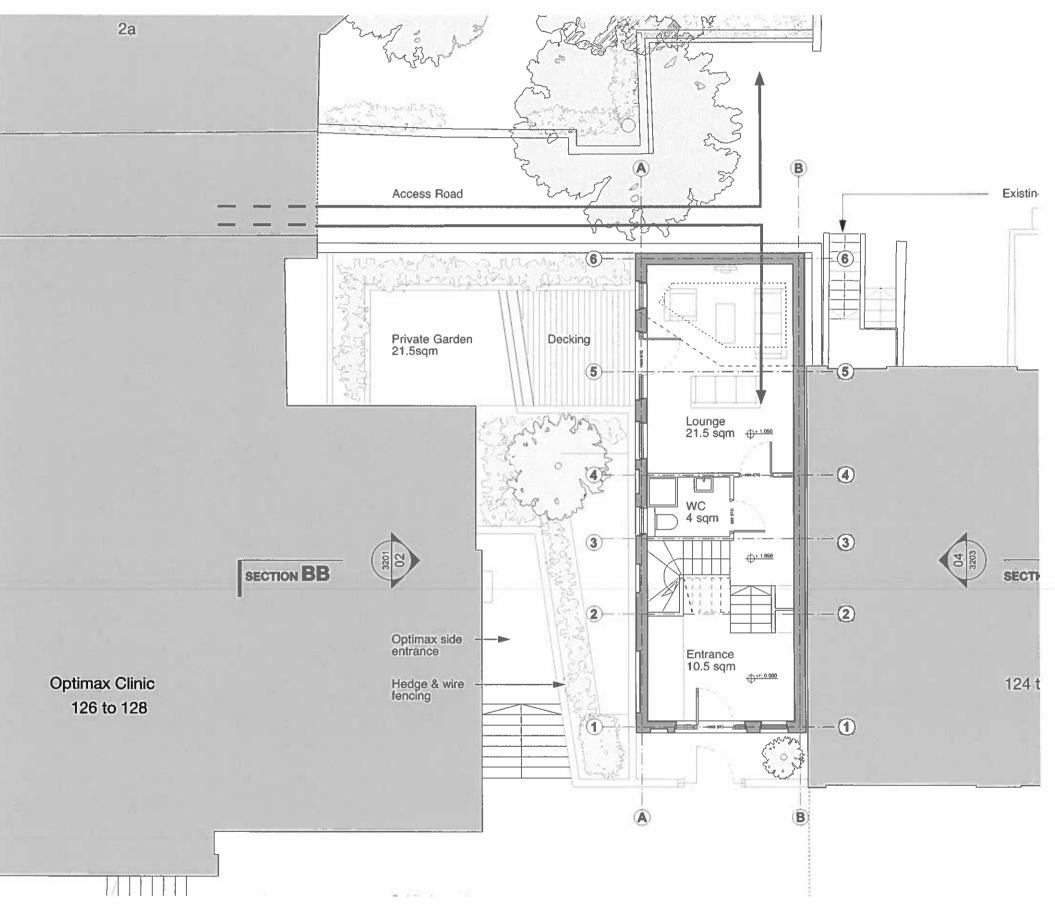
PEDESTRIAN

→ SERVICES

■ BIKES

REFUSE





### **ACCESS STATEMENT**

### CAR PARKING

1 car parking bay is provided to the rear of the site on land owned by the applicant.

### PUBLIC TRANSPORT - PTAL 6A

Access to public transport is located within 1 minute walking distance to Finchley Road tube station and various bus routes from Finchley Road.

PEDESTRIAN

→ SERVICES

BIKES

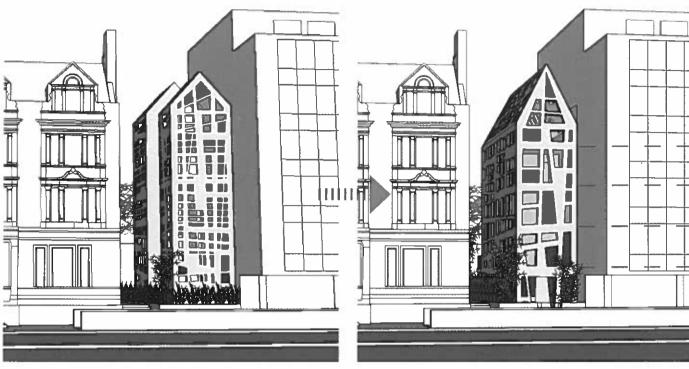
REFUSE



# 8.0 CONCLUSIONS

- 8.1 PRE-APPLICATION ADVICE
- 8.2 URBAN DESIGN
- 3.3 CONSERVATION AREA ENHANCEMENT





01 Pre- application scheme

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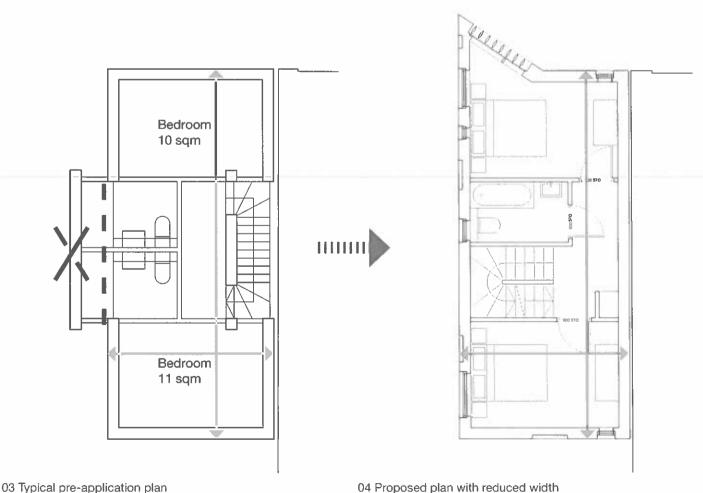
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02 Enlarged facade pattern



PRE - APPLICATION ADVICE

Pre-application advice was received on the 18th January 2012, after a meeting with the council. Our interpretation of the advice received is as follows:

**Landuse:** The site is located in a 'highly accessible area' as designated by the Camden Core Strategy. Development Policy DP1 states that 50% residential floor space should be provided for any development above 200m² additional floor space.

Response: The proposed floor area was reduced below 200m<sup>2</sup> to provide residential only. Following the advice of local agents it was decided to omit the retail use altogether. The resulting unit was deemed not functional once ancillary spaces are provided.

**Trees & Landscaping:** Provision of a new tree is recommended and a bio-diverse landscaping strategy is to be provided within the site.

**Response:** A high quality landscaping design strategy is provided, including three new trees.

**Design:** a) The scheme submitted for pre-application fails to provide sufficient space to preserve the setting of the former bank and a potential position for a new tree.

**Response:** The scheme provided for pre-application was reduced in width by 1200mm. This was done to provide a wider gap between the former bank and the proposed new building. **Image 01.** 

**Design:** b) Inevitably any development on the site cannot seek to preserve all aspects of the site's significance. If you wish to pursue a more efficient use of the land you are advised to thoroughly consider the significance of the gap, recognising the greater the harm to the significance of the gap the greater the justification required.

Response: Chapter 05 shows a thorough urban design analysis, particularly identifying the gaps along Finchley Road. The proposed building forms a combined ensemble with other elements of the Finchley Road frontage, that increases the strength of noticeable relief and momentum in the otherwise built up frontage of Finchley Road

**Design:** c) The council is not adverse to the contemporary design, in this instance the multiple openings in the facade fail to relate to the robust scale of the adjoining properties. There is also a concern the facade would fail to provide sufficient natural light within the development.

**Response:** The facade pattern was scaled up four times to provide larger openings. All rooms now have a windows to floor area ratio in excess of the required 20%. (Image 02)

**Amenity:** a) Any space around the building would need to be attractive, inviting and secure.

**Response:** A high-quality landscaping design is submitted as part of this design and access statement.

**Amenity:** b) In respects to overlooking of the residential properties to the rear, the building has been positioned so that the views will not be over these private rear gardens.

**Response:** The rear facade is angled as set out in chapter 4.6. This was understood to be acceptable by the council. All windows facing the rear gardens will be obscured glass.

**Traffic and Car parking:** a) Any future development would need to be car free with cycle parking.

**Response:** The applicant owns the rear access road, which includes an existing car park. It is proposed to allocate this car park to the new property, with internal cycle parking provision.

**Traffic and Car parking:** b) The proposed development lacks step free access from Finchley Road, contrary to Building Regulations.

**Response:** Step free access is now provided from Finchley Road as well as the rear access road.

**Sustainability:** A renewable energy statement is required as part of the application.

**Response:** A renewable energy statement is submitted with this application.



01 Aerial view showing unified ridge lines reinforcing the local urban design

### **URBAN DESIGN**

The aerial view shows that the proposed scheme ties in well with the character and setting of the properties of the conservation area.

The former bank's setting is fully respected and the flank wall of the office building as well as the edge of the conservation area are substantially improved.

The 'preservation' and 'enhancement' test of development within a Conservation Area are met with this proposal which, whilst undeniably a modern architectural approach, sets the building carefully so as to respond positively to the whole of 126-128 Finchley Road including its flank elevation, whilst preserving views through the site from the Finchley Road up into the main body of the Conservation Area.







# 9.0 PERSPECTIVE STUDY

- 9.1 FINCHLEY ROAD OPTIMAX REMOVED
- 9.2 FINCHLEY ROAD

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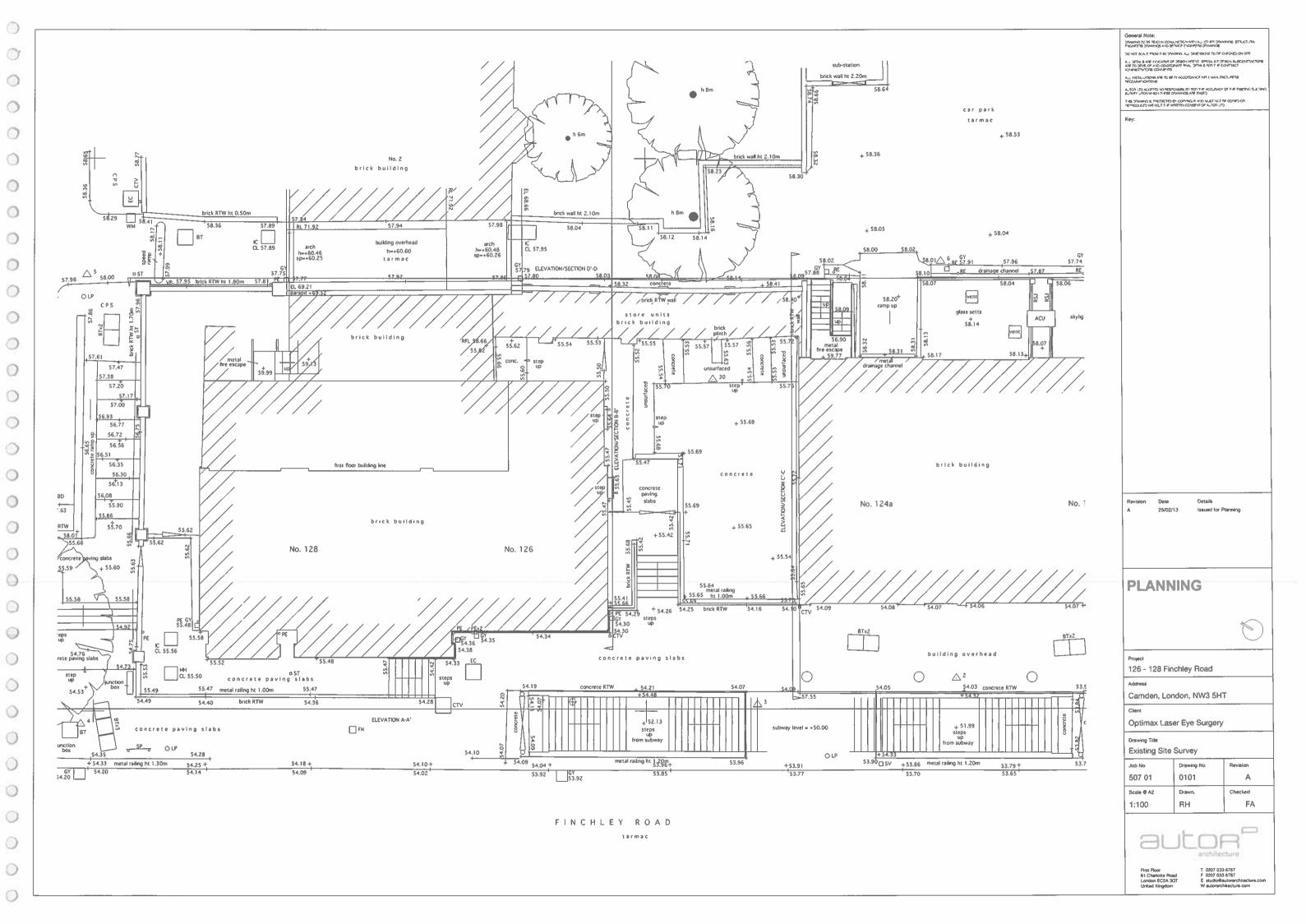




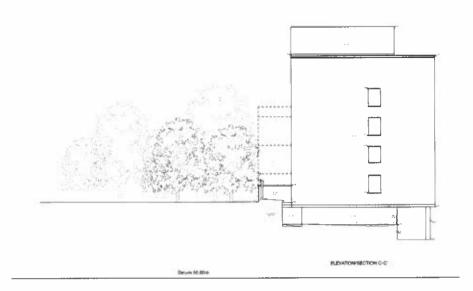
# **10.0 PLANNING DRAWINGS**

10.1	SITE LOCATION PLAN
10.2	SITE SURVEY
10.3	SURVEY SECTIONS & ELEVATIONS
10.4	PROPOSED GROUND FLOOR PLAN
10.5	PROPOSED FIRST FLOOR PLAN
10.6	PROPOSED SECOND FLOOR PLAN
10.7	PROPOSED THIRD FLOOR PLAN
10.8	PROPOSED FOURTH FLOOR PLAN
10.9	PROPOSED ROOF PLAN
10.10	PROPOSED SECTION AA
10.11	PROPOSED SECTION BB
10.12	PROPOSED SOUTH WEST ELEVATION
10.13	PROPOSED NORTH WEST ELEVATION
10.14	PROPOSED NORTH EAST ELEVATION
10.15	PROPOSED SOUTH EAST ELEVATION









02 NORTH WEST ELEVATION Scale : 1: 200



03 NORTH EAST ELEVATION

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04 SOUTH EAST ELEVATION Scale: 1: 200

PLANNING

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Project 126 - 128 Finchley Road

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Camden, London, NW3 5HT

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Optimax Laser Eye Surgery

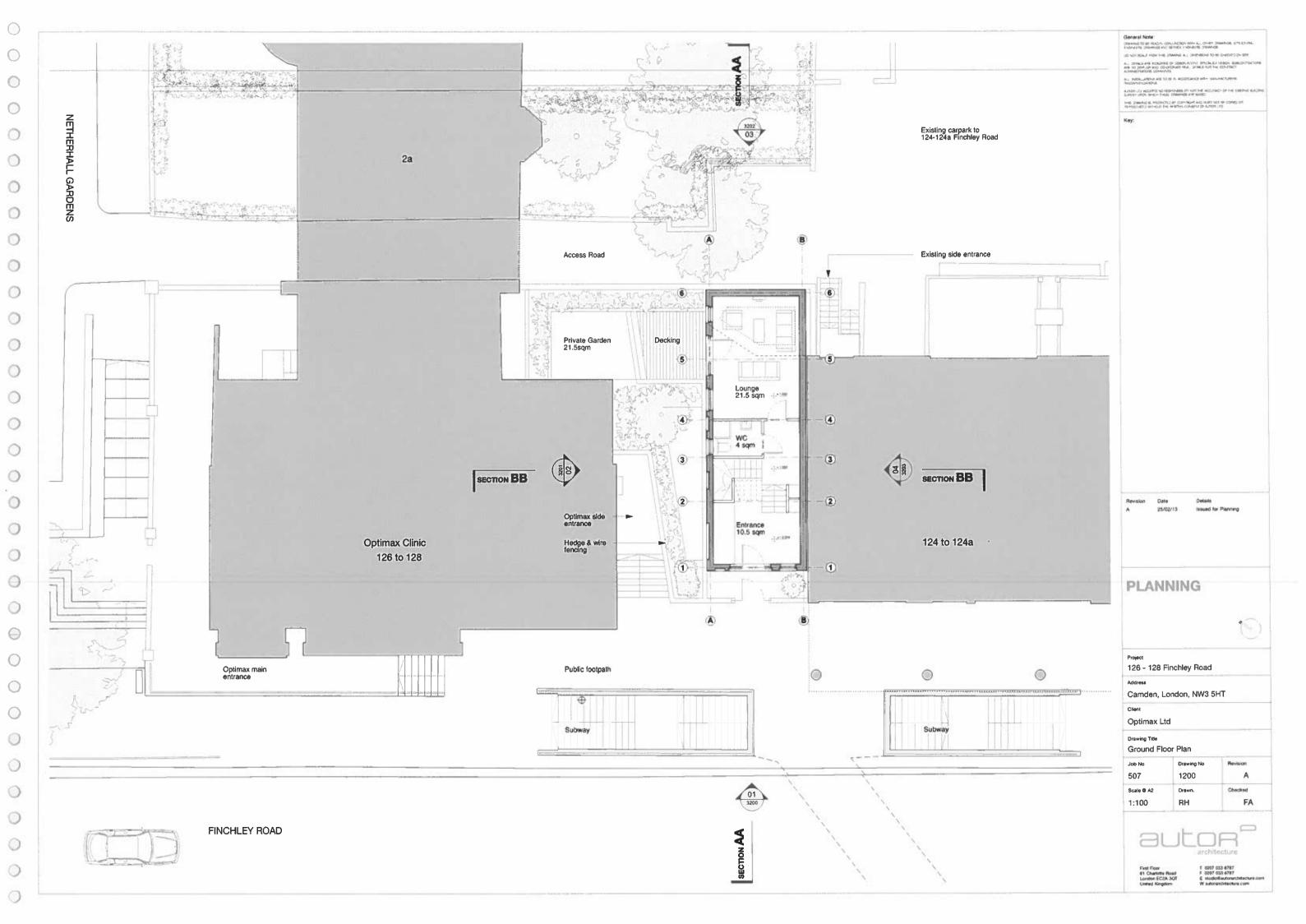
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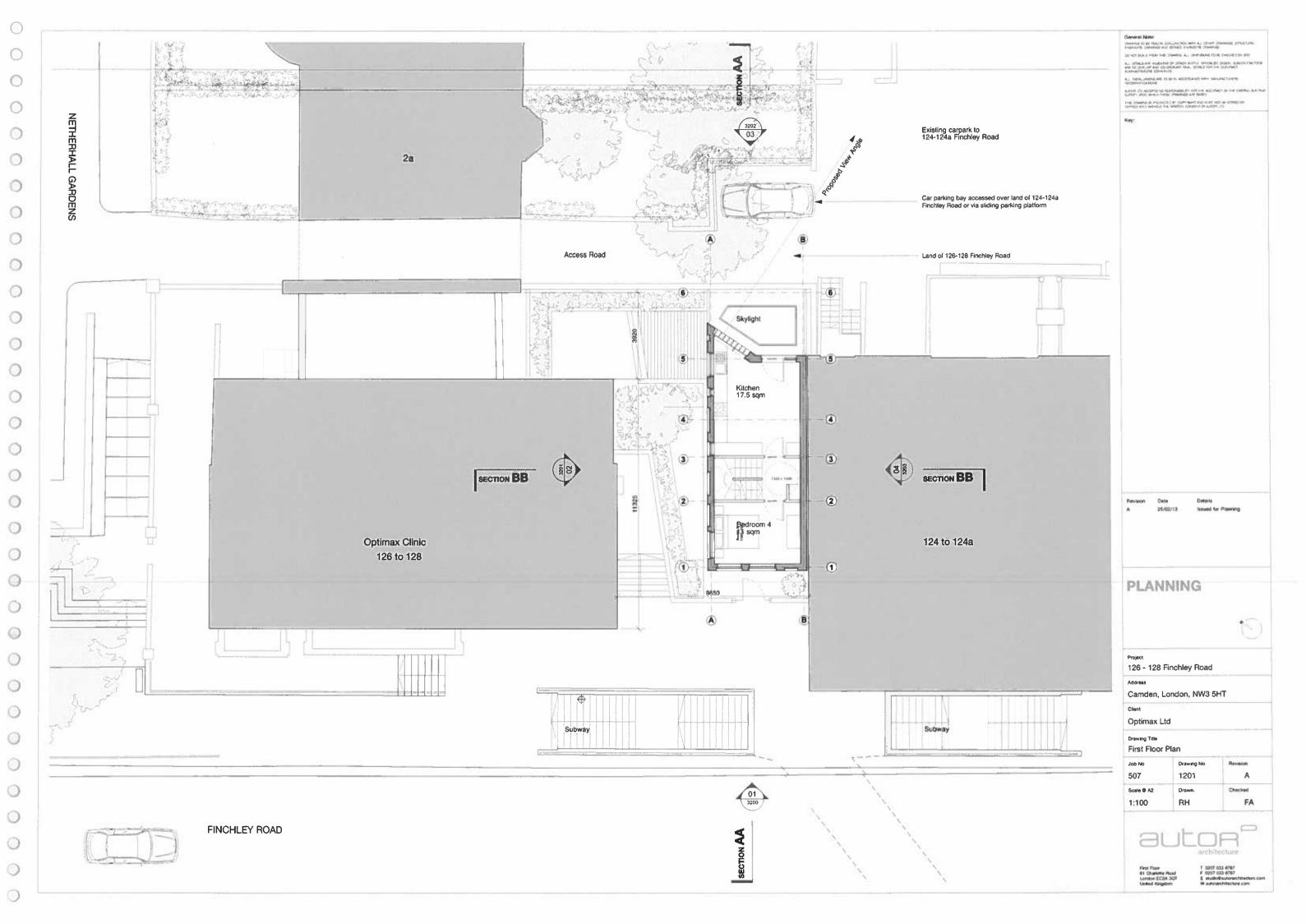
Existing Survey Sections & Elevations

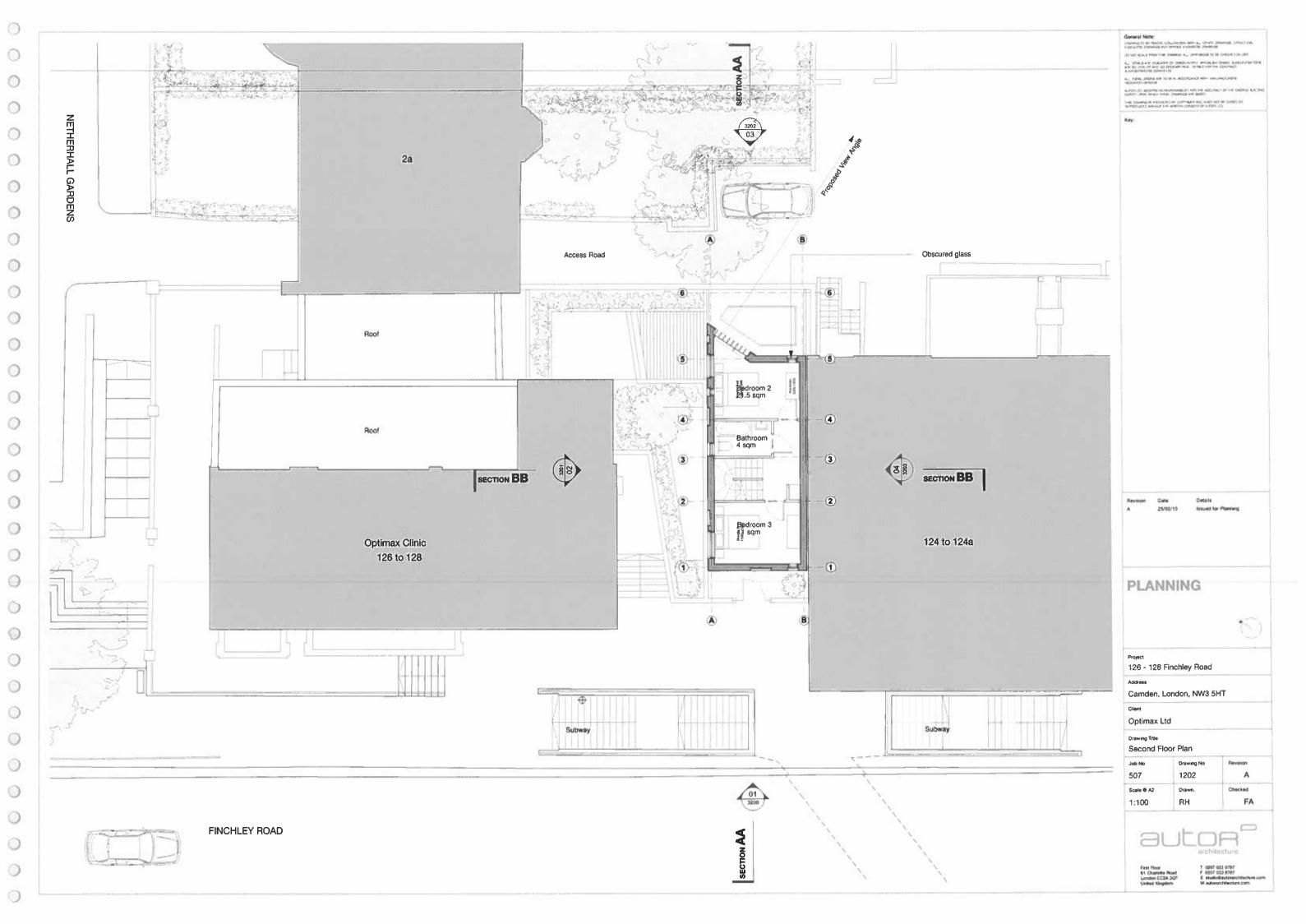
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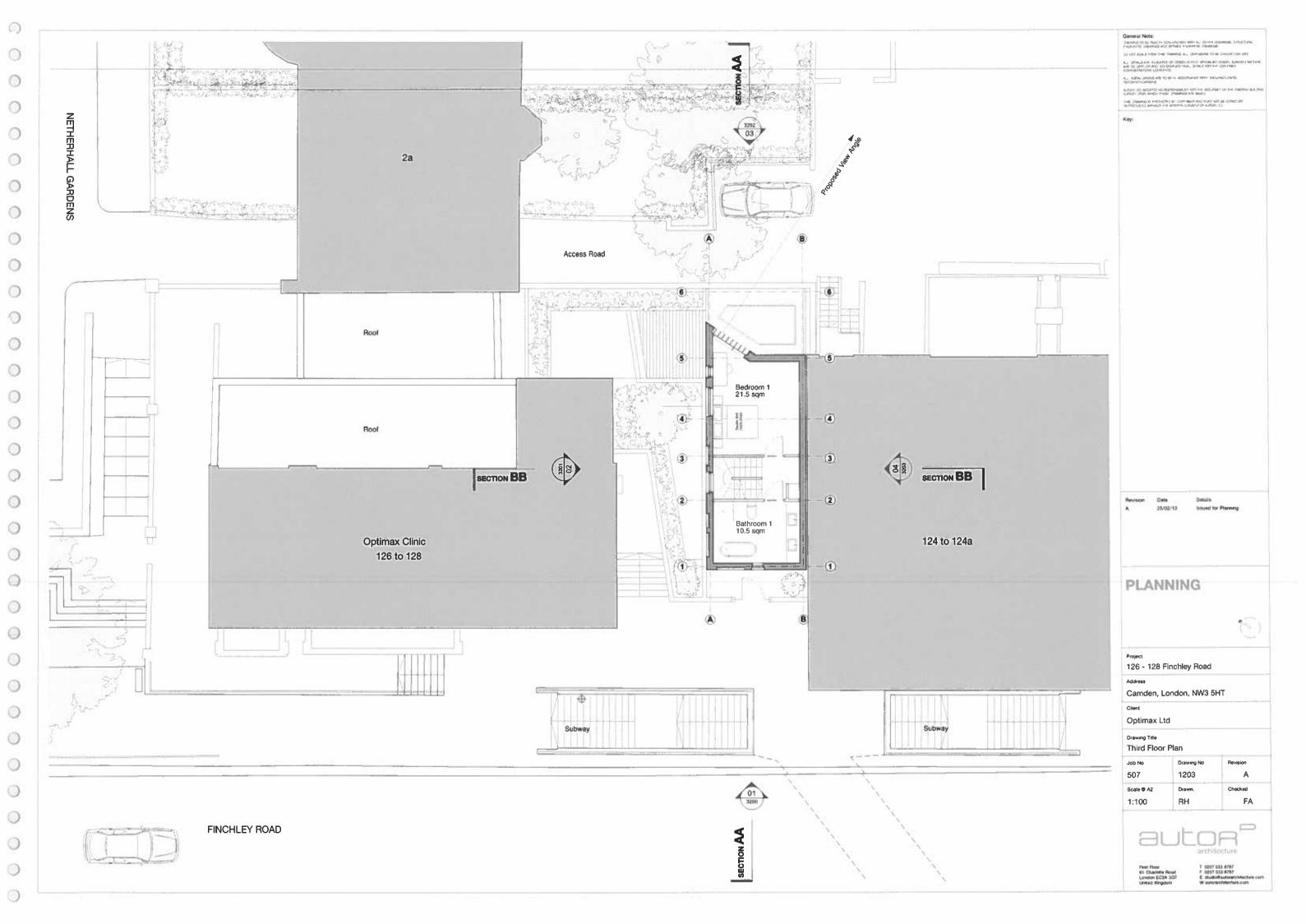


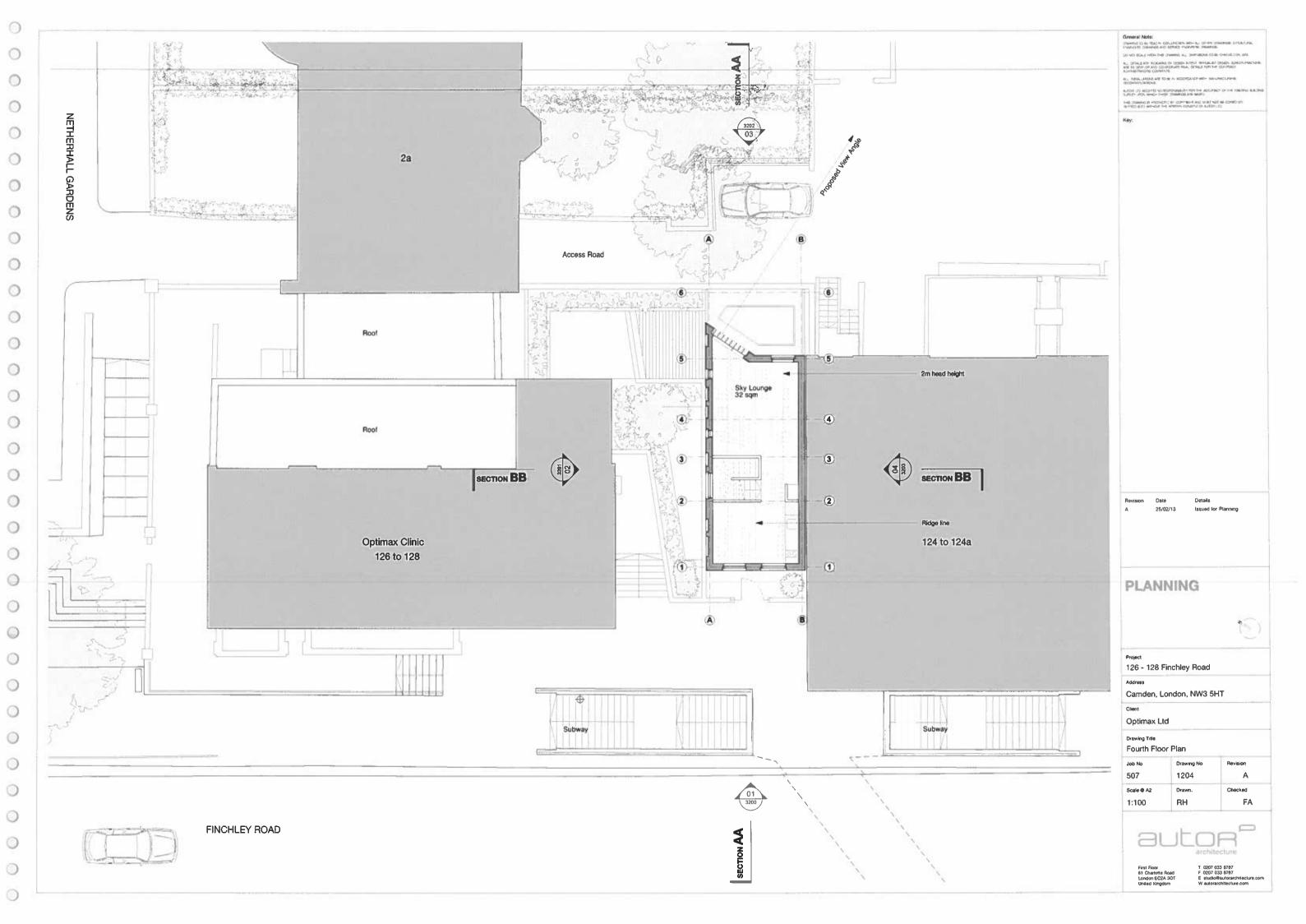
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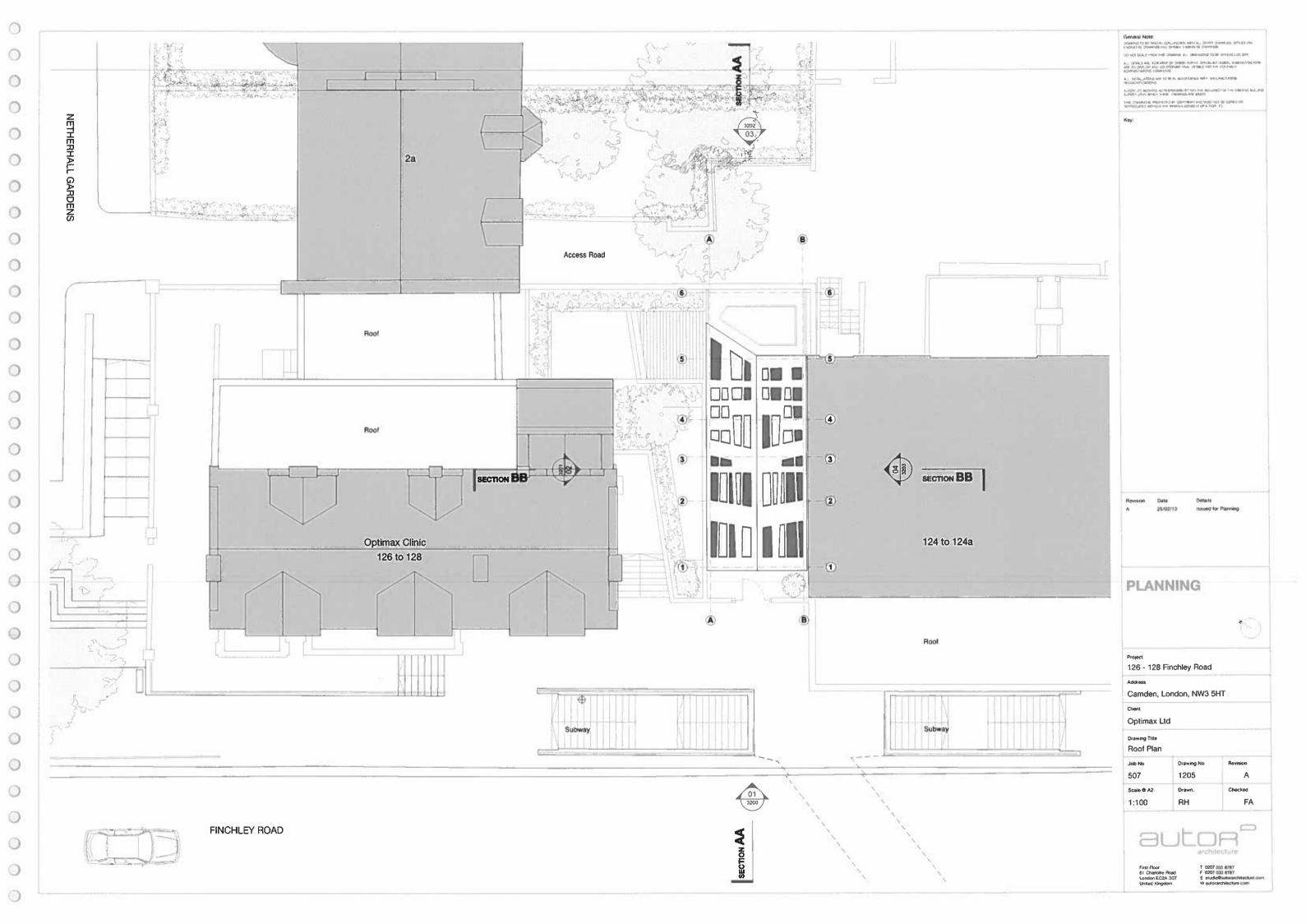




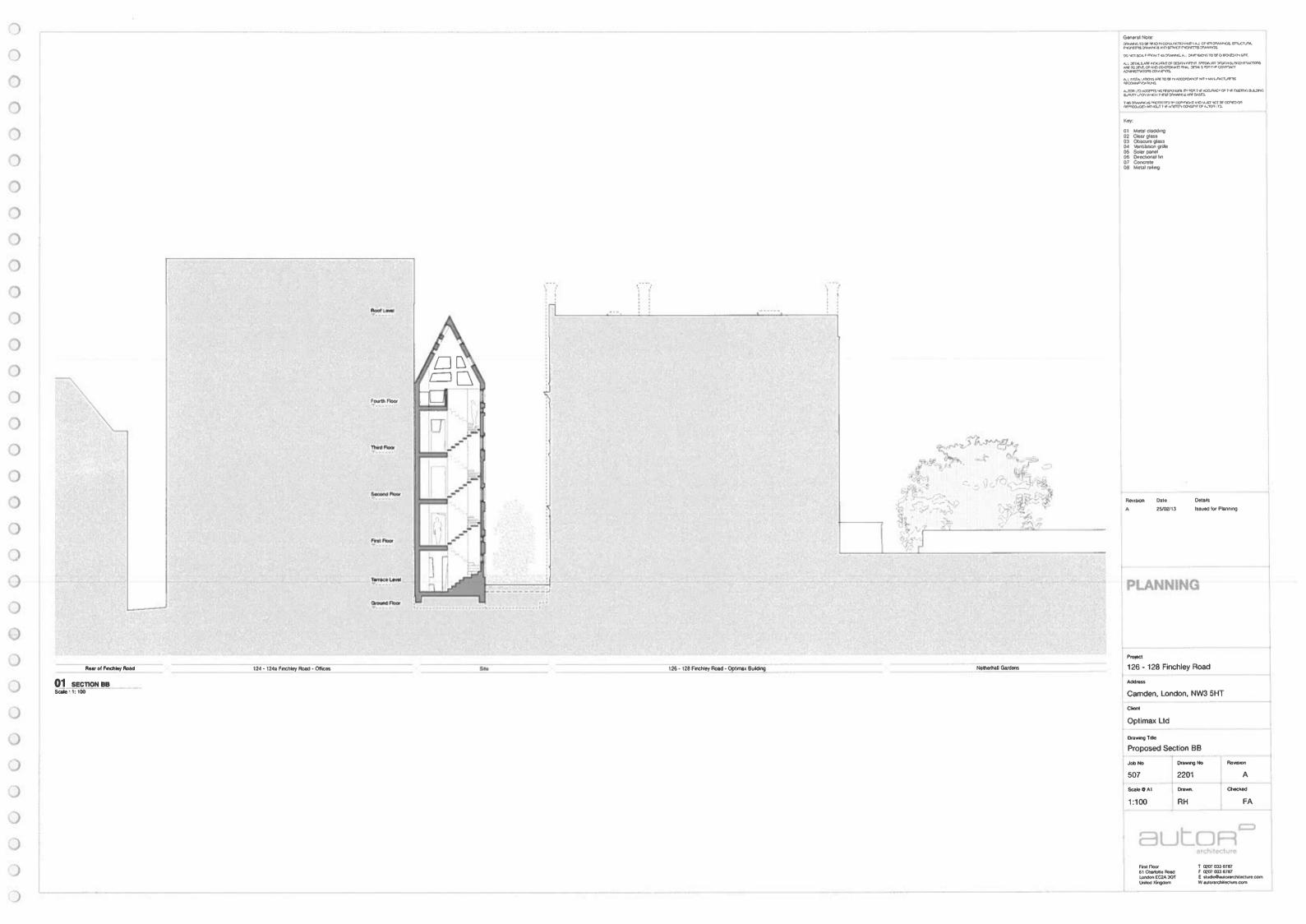














General Note: DIMMINISTO DE READ PLOCALLICATION WITHAL STHER DIMMINISE, SERVICEURL, PROPRETED DYMINISTAND SERVICE PROFERING DIMMINISE.



