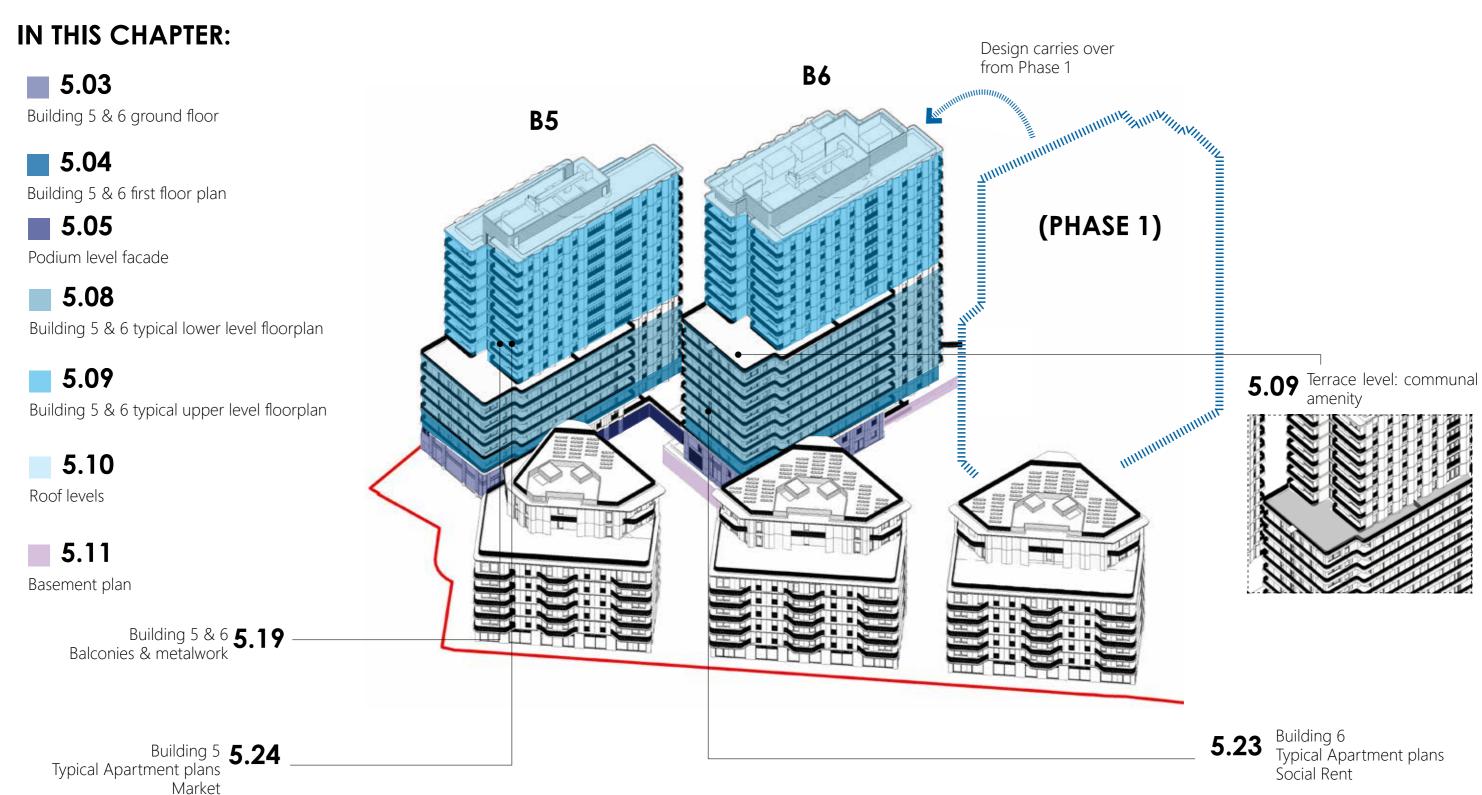
5.00 INTRODUCTION

This chapter describes the proposed Rear Buildings - Buildings 5 and 6. They are of the same family as Buildings 7 and 8, which are under construction in phase 1. Many of the same details and design features carry across from phase 1 to these buildings.

The overview diagram below shows key design features covered in this chapter.



5.01 BUILDING 5 AND 6 QUANTUM

Buildings 5 and 6 deliver in total 207 dwellings. Building 5 provides 98 Market Sale homes, while Building 6 provides 109 Social Rent homes.

TOTALS – Phase 2: Dwellings

	1B1P 1 Bed		B1P 1 Bed		2 Bed		3Bed					4Bed			5Bed							
	1B1P.	1B2P.	1B2P- WCH	2B3P.	2B3P- WCH	2B4P.	3B4P.	3B4P.D	3B4P- WCH.	3B5P.	3B5P.D	3B6P.	3B6P.D	4B6P.	4B6P.D	4B7P.	4B7P.D	5B7P.	5B7P.D	5B8P.	5B8P.D	Totals
B5	13	38	0	0	13	24	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	98
В6	0	33	0	0	8	38	0	1	8	8	1	8	1	0	2	0	0	0	1	0	0	109

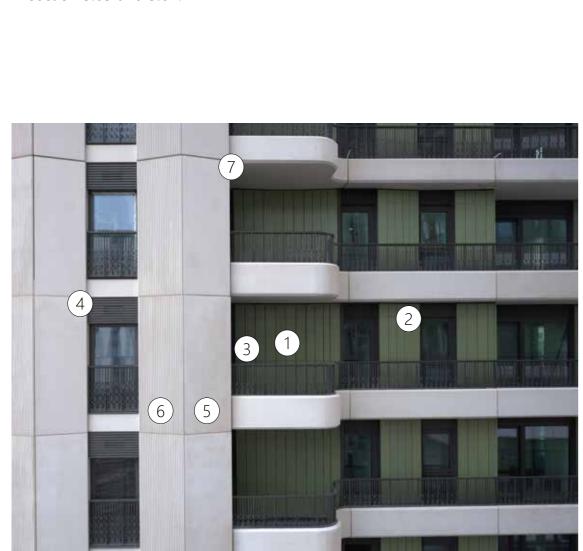


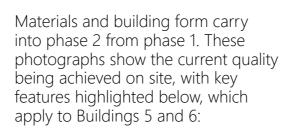
5.02 BUILDING FORM

The proposed buildings 5 and 6 of phase 2 will read as part of the same family as building 7 and 8, under construction on site as part of phase 1. Many of the same details carry over directly. The quality being acheived on Phase 1 will provide a good benchmark for Phase 2.

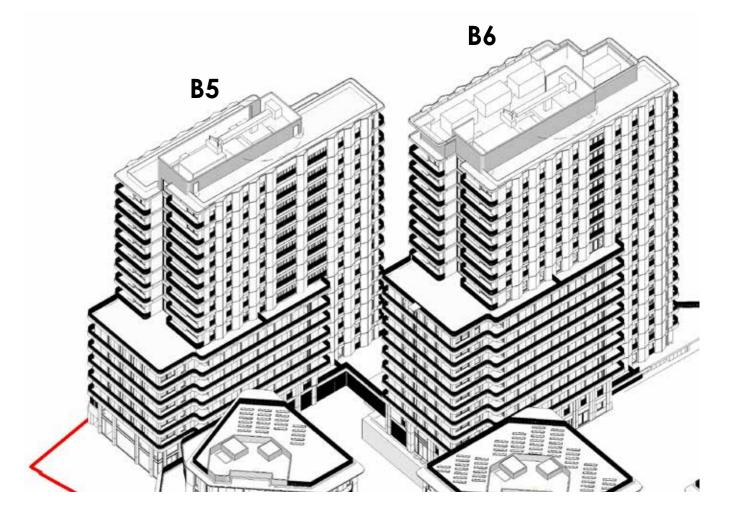
The terrecotta colours are different and this can be seen in section 03 of this document.

Whilst the external materials and general form of the buildings is similar, internally the mix and arrangement of homes differs. This can be seen in section 5.03 and 5.04.





- 1 Glazed Terracotta -
- 2 Terracotta joints line through with window head,
- 3 and with balustrade
- 4 Louver above window
- 5 Precast smooth
- 6 Precast ribbed
- 7 Exposed smooth precast soffit
- 10 Chamfer pattern terracotta
- 20 Continuous band of precast concrete around facade, with radiused corners and smooth exposed precast soffit, with continuous railing.





5.03 GROUND FLOOR LEVEL

The ground floor of buildings 5 and 6 in Phase 2 is linked by a single-storey podium, under which disabled car parking and plant is located similar as per phase 1 design.

We have maximised the active frontage onto the landscaped public realm. The podium has been recessed in plan in order that the car parking entrances are less prominent, yet provide a safe and secure access of buildings 5 and 6.

Key functions on ground floor include:

- Resident entrances off the main landscaped square
- Refuse and cycle stores
- Accessible car parking in podium undercroft
- Plant (inc. UKPN) substation
- Duplex apartments

A car-light development

Phase 2 provides the following::

- 12 disabled spaces in undercroft car parks
- WCC Draft City Plan 2019-2040 provision of Electric Vehicle Charging Points: 100% active provision
- Car Club spaces provided on site
- Cycle parking for in excess of 700 bikes for all of Phase 2 buildings



Office space ground floor with cafe

Within the internal public realm of the estate, active frontage is enhanced by duplex homes facing into the sequence of public squares. Each having their own private front garden as a private buffer to the public space.



Building 5 commercial visual office and landscape view

Ground floor: Key info

GF Area Schedule (m²)									
	Building 01	Building 02	Building 03	Building 05	Building 06				
Non residential	167	312	312	155	-				
Non resi support	-	-	-	13	-				
Homes	-	51	51		171				
Community	158	-	-	-	-				
Entrance lobby	28	28	28	43	50				
Circulation	79	110.75	110.75	146.19	87.24				
Refuse Store	37	34.5	34.5	45.86	65.5				
Cycle Store	80	71	71	194	191				
Car Park	-	-	-	185	204				
Plant	32.96	32.07	32.07	114.93	88				



View of podium landscape



5.04 FIRST FLOORPLAN

The first floor level podium provides a green link between buildings, 5 and 6 providing an area of sheltered resident external amenity and play space.

The podium provides:

- 1. Connection between buildings, with shared semi private amenity space for building communities to enjoy and foster cohesion.
- 2. Covered space for back of house facilities for parking, refuse and plant at ground level, and releasing space in the buildings themselves to accommodate more and better quality active frontage
- 3. A visual and acoustic buffer between the ground floor public realm and railway eastern border. Architecturally, the podiums are recessed back, to make the buildings more prominent
- 4. A datum through the site linking buildings and public realm.

Generally, the design approach for the podium will continue the Phase 1 principles; hard-paved over a blue roof system, with raised planters and seating to introduce greenery, as well as provding wind-mitigation.

Within Building 6, the first floor has duplex apartments, with direct access out onto private gardens at podium level.

Building 5 podium links to Ebury bridge to the north. The existing boundary wall is proposed to be removed. A private terrace to the commercial space coordinates with the 1st floor non residential uses and change of level. The removal of the wall continues towards 1 Ebury presenting the northern gateway access stepping down into the public realm.

A new stair case connects the new Ebury public

realm to Ebury Bridge as an active public space. The staircase wraps around ground and first floor corner of building 5. The corner has been developed as an office space, activating Ebury bridge road at first floor.

Key functions on the first floor include:

- Resident access to podium
- Resident flexible amenity space
- Duplex apartments
- Commercial space to B5/Ebury Bridge

The landscape design and the steps have been developed in the design and location to respond to comments from No.1 Ebury. These were to move the steps further away from the boundary and to ensure the roots from the tree adjacent to the No.1 Ebury boundary are not impacted. See landscape section for more information.

Floor 01: Key info

1stF Area Schedule (m2)									
	Building 01	Building 02	Building 03	Building 05	Building 06				
Non residential	-	-	-	306	-				
Non resi support	-	-	-	-	-				
Homes	482	512	512	184	481				
Circulation	81.85	81.63	81.63	93.6	79				
Plant	-	-	-	4.5	4.5				

1stF Residential Mix										
Apartment Type	Building 01	Building 02	Building 03	Building 05	Building 06					
1B2P	1	2	2	2	2					
2B4P	4	1	1	1						
3B5P	1	3	3							
3Bed (duplex)					3					
4B6P (duplex)					1					
4B7P (duplex)										
5B7P (duplex)					1					



5.05 PODIUM LEVEL



5.06 FIRST FLOORPLAN - BUILDING 5





5.07 PODIUM LEVEL- BUILDING 6





5.08 TYPICAL LOWER LEVEL FLOORPLAN - BUILDING 5

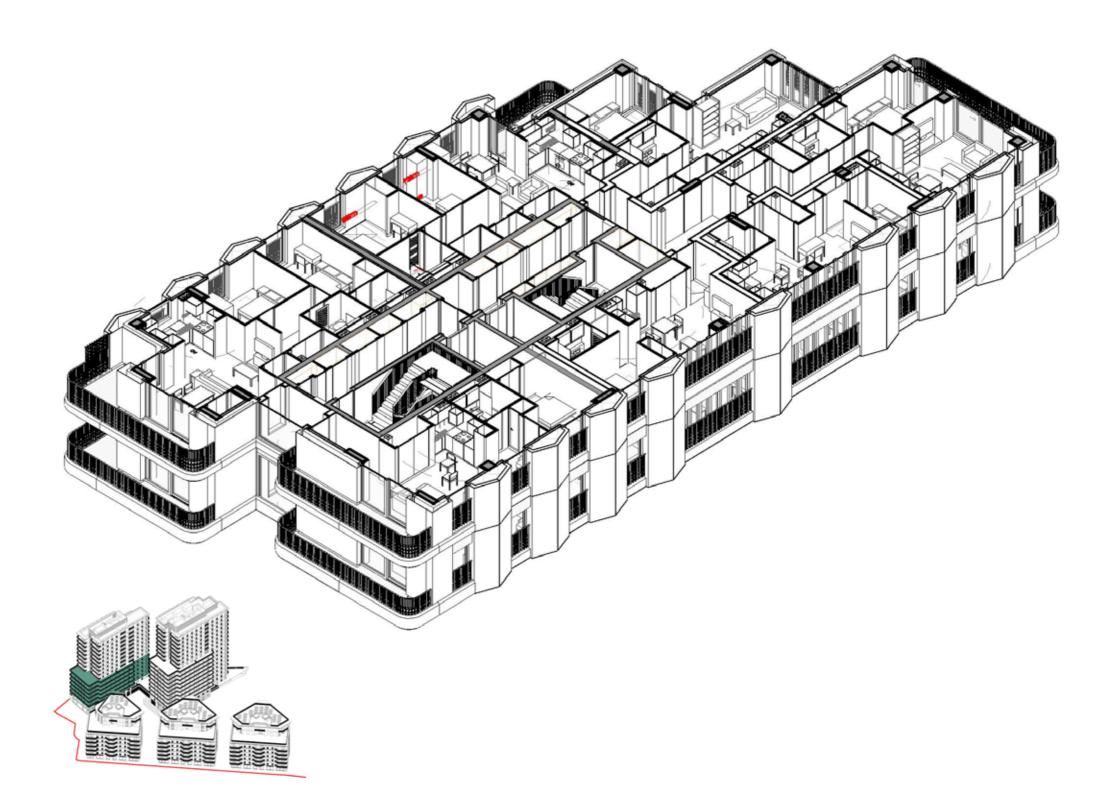
The typical floor plan at lower levels of building 5 covers 5 floors.

The floor plan achieves the following:

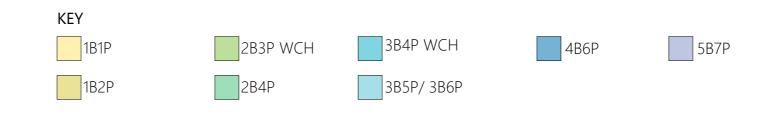
- All apartments with dual aspect living rooms
- Efficiency: 80%
- 8 apartments per core
- 100% dual aspect living

Phase 2 has similarities in plan to Phase 1, although a second staircase has been added to meet updated legislation.

Floorplate contains: 3 x 1 bed 2 person homes 1 x 2 bed 3 person homes 3 x 2 bed 4 person homes 1 x 3 bed 5 person homes







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TYPICAL LOWER LEVEL - BUILDING 6

The typical floor plan at lower levels of building 6 covers 7 floors. The floor plate is very similar to building 5 however, the 2x1bed flats at the front of the floor plate join to present a 3bed 6p flat.

The floor plan achieves the following:

- All apartments with dual aspect living rooms
- Efficiency: 81%
- 7 apartments per core
- 100% dual aspect living

Floorplate contains:

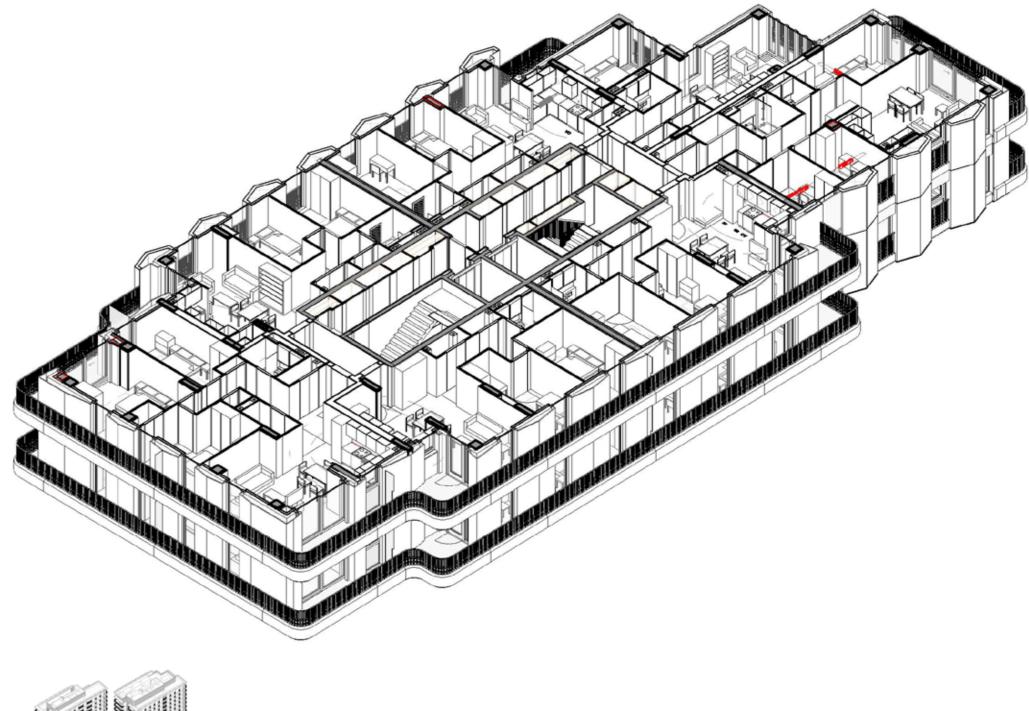
1 x 1 bed 2 person home

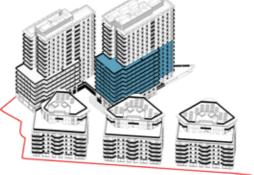
1 x 2 bed 3 person home

3 x 2 bed 4 person homes

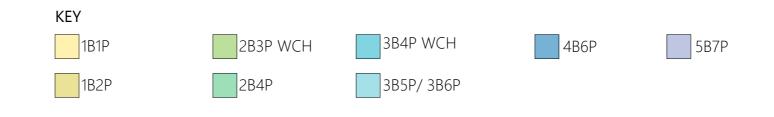
1 x 3 bed 5 person home

1 x 3 bed 6 person home









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5.09 TYPICAL UPPER LEVEL FLOORPLAN - BUILDING 5

The typical floor plan at upper levels of building 5 covers 8 floors. The upper level floor plate is similar to phase 1, however the 3bed flat has been diluted into 2 flats to coordinate with mix.

The floor plan achieves the following:

- 5/7 of apartments with dual aspect living rooms
- Efficiency: 75%
- 8 apartments per core
- 71% dual aspect living

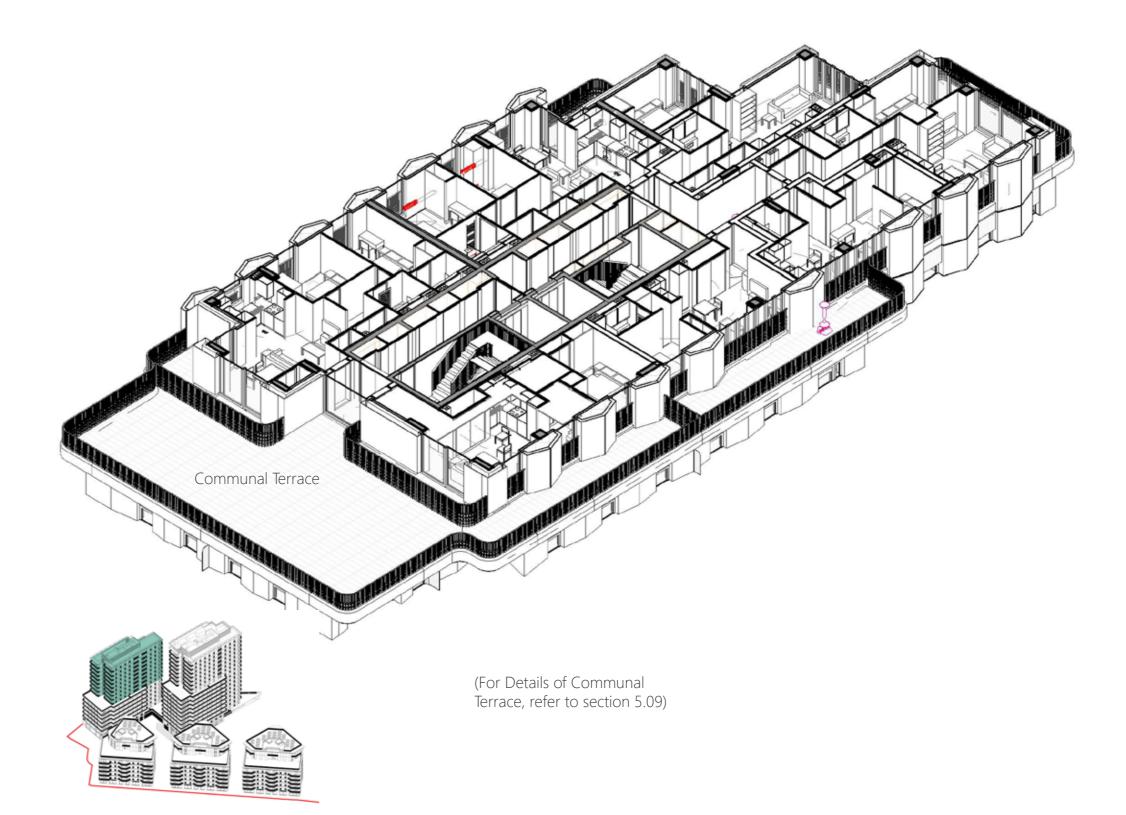
Floorplate contains:

2 x 1 bed 1 person homes

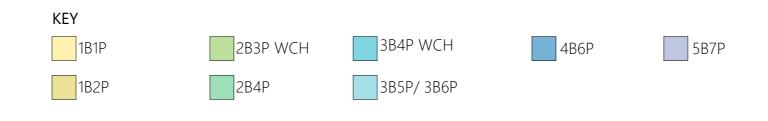
3 x 1 bed 2 person homes

1 x 2 bed 3 person home (for wheelchair use)

1 x 3 bed 4 person home







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TYPICAL UPPER LEVEL - BUILDING 6

The typical floor plan at upper levels of building 6 covers 8 floors. The upper level floor plate mirrors phase 1.

The floor plan achieves the following:

- 5/6 of apartments with dual aspect living rooms
- Efficiency: 75%
- 6 apartments per core
- 83% dual aspect living

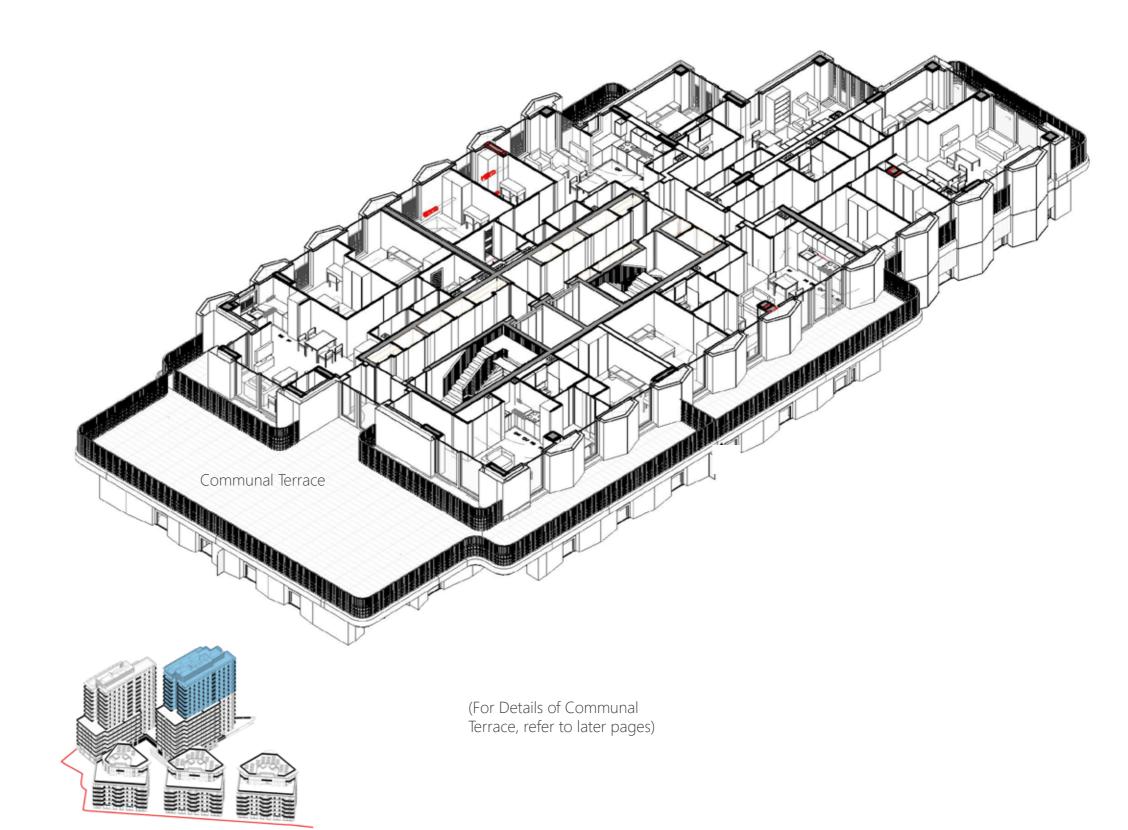
Floorplate contains:

3 x 1 bed 2 person homes

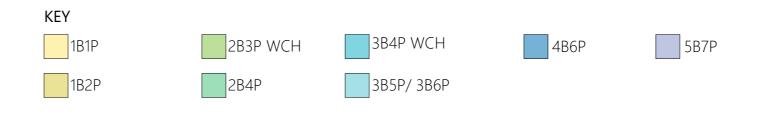
1 x 2 bed 3 person home (for wheelchair use)

1 x 2 bed 4 person home

1 x 3 bed 5 person home







5.10 ROOF LEVELS

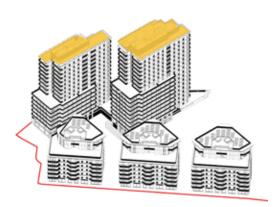
The roof design and Building B5 and B6 are very similar to B7 and B8 in Phase 1.

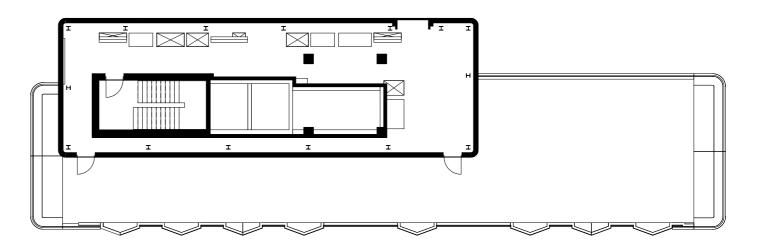
The core will be white, colour to match RAL 9010 as per Phase 1. The BMU will match this colour, ensuring that it blends in with its local context.

The choice of light colour matches Phase 1, and will feel less imposing on the skyline.

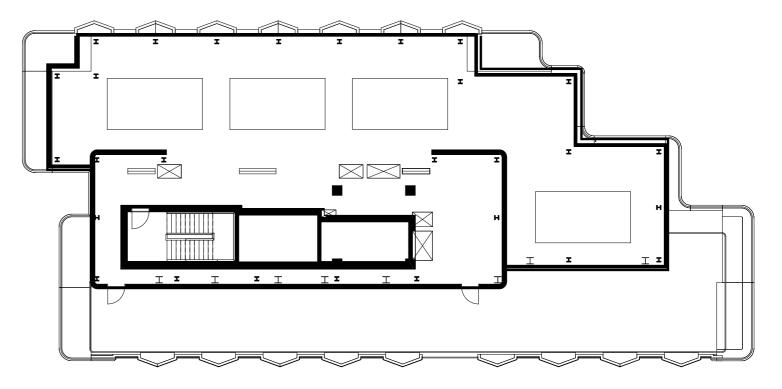
Elements of plant are concealed by plant screens which are secondary in heirachy. These again match Phase 1, being grey RAL 7022.

Building 6 is where the air source heat pumps are located, supplementing the ground source heat pumps, providing the heating for the whole of Phase 2. As was achieved on Phase 1, the air source heat pumps are concealed from view by continuing the precast concrete facade up to the plant level.

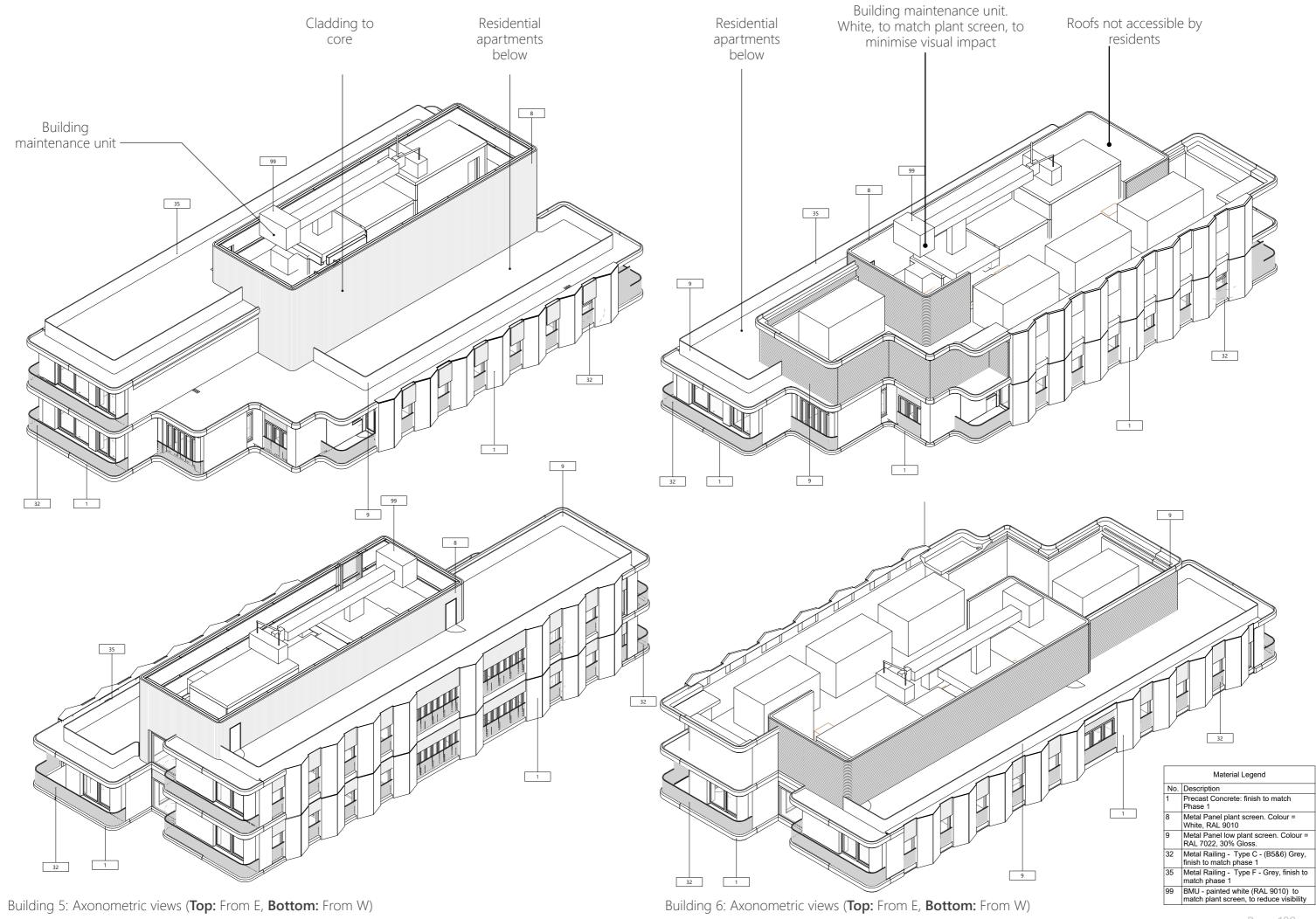




Building 5: Roof level plan



Building 6: Roof level plan



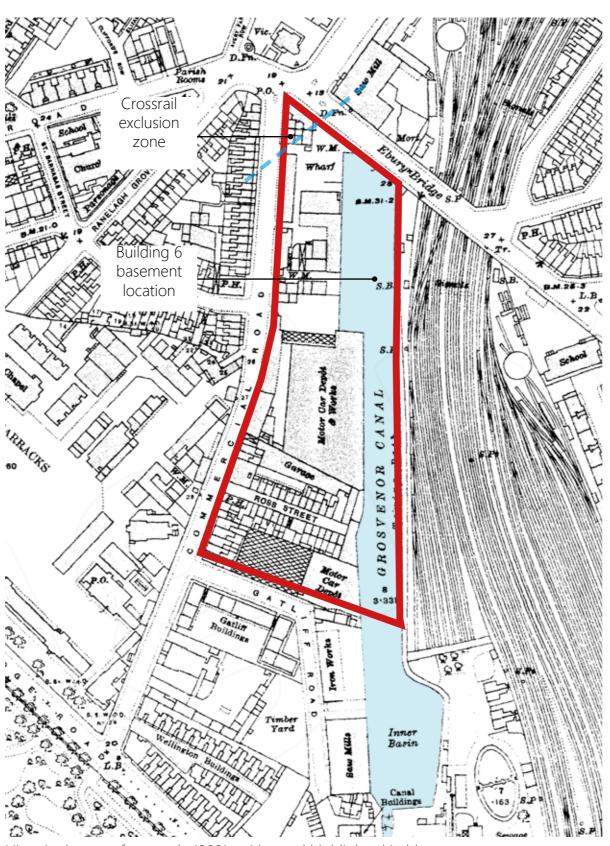
5.11 BASEMENT PLAN

The basement area for phase 2 is predominately local to the footprint of building 6 connecting and coordinating with the central plant under building 7 and 8. Plant area has been designed to fit within building footprints so not to conflict with services and public realm. The centralised plant strategy and connections to phase 1 has allowed for greater active frontage to the ground floor plane offering greater legibility and quality of public realm.

Buildings 5-6 (East side)

Plant space under B6 extends the centralised plant of phase 1 under B7 and B8. As per the Phase 1 design, the strategy for the basement offsets from the eastern boundary line to coordinate with the historic canal that previously ran adjacent to the railway edge from Grosvenor Wharf.

The historic site map adjacent indicates the historic canal location and structural strategies for mitigation.



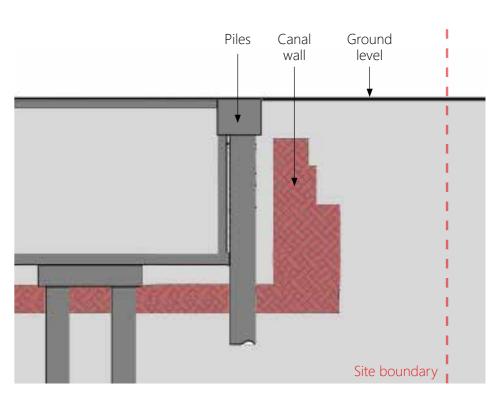
Historic site map from early 1800's, with canal highlighted in blue

Basement level: Key info

Basement Phase 2 GIA Area Schedule (sqm)

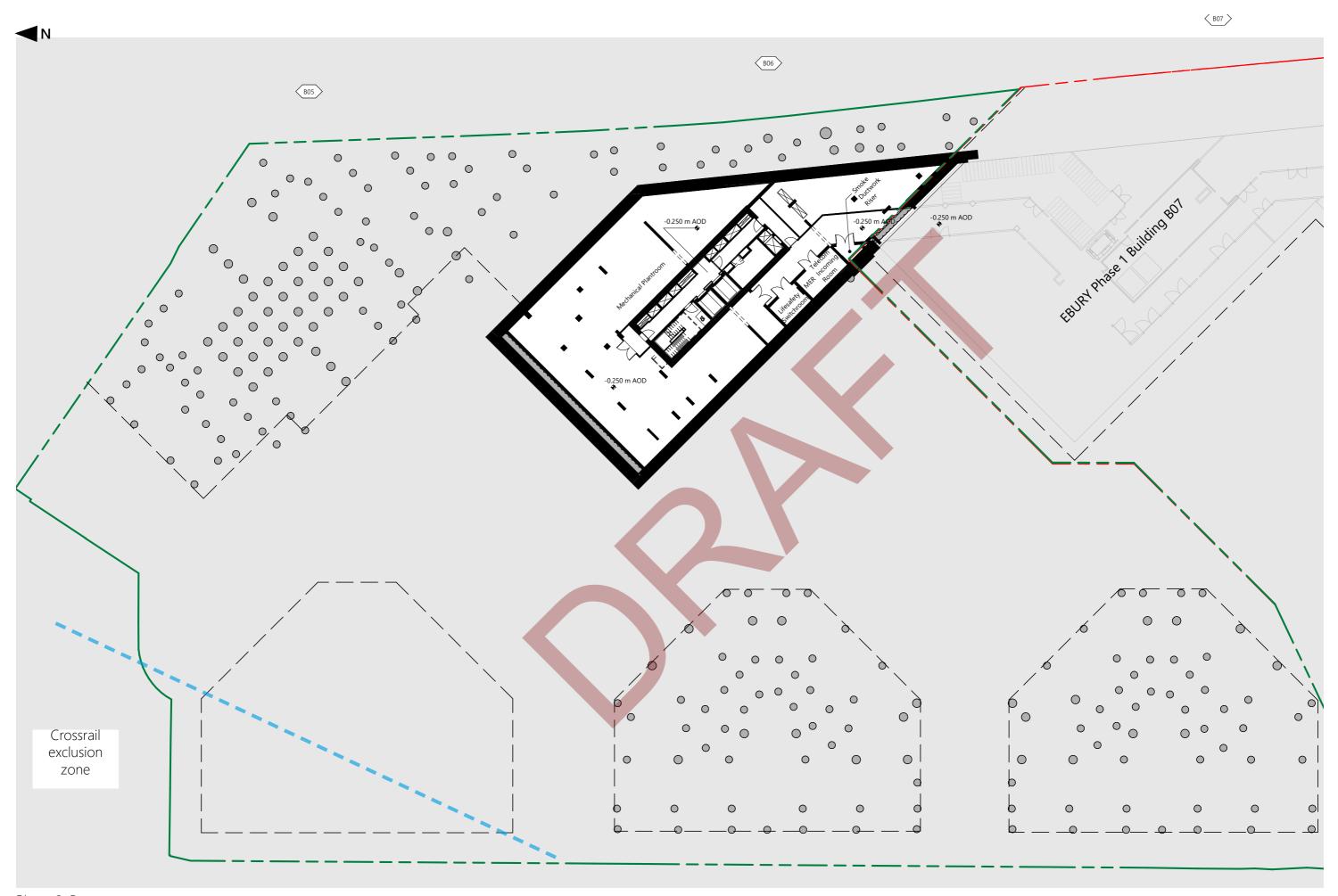
B6 Plant and circulation

663



Illustrative section showing design approach to locate piles to avoid clashing with the existing Grosvenor Canal retaining wall below.

The existing canal wall location has defined the maximum build zone for the basement plant room and sets out.



Phase 2: Basement

5.12 TERRACE LEVEL: COMMUNAL AMENITY

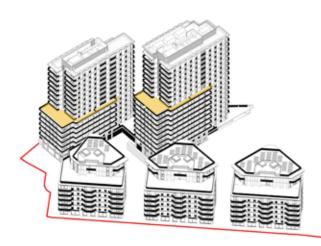
Buildings 5 and 6 terrace and podium design development follows phase 1 principles. The various external levels define different functions and provide different features:

Podium

- Mixed tenure external space linking market led and affordable buildings to public realm
- Amenity for duplex residential homes
- Play for young children
- Residential planting beds and food growing
- Areas for rest and relaxation
- Trees and planting to provide wind mitigation and pleasant environment

B5/6 building terrace

- External space for residents use per building
- Amenity for homes on terrace level
- Planting and integrated seating to provide areas of rest and relaxation and privacy buffer to homes
- Pergolas providing areas of shade and comfort





Illustrative view of mid-level terraces

5.13 EXTERNAL APPEARANCE: DESIGN PRINCIPLES

Developing on the principles of the masterplan design codes and Phase 1, this page sets out the principles of the external appearance and character of Buildings 05 and 06.

Building Typology

Both buildings fall under the Rear Building typology set out in the design code. Each building has a larger footprint at lower levels, reducing in massing at higher levels creating a mid-level shared amenity terrace.

Facade Types

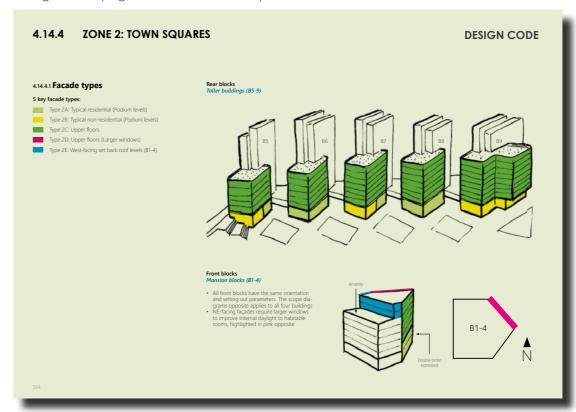
The rules developed in the masterplan design code are broken into facade types.

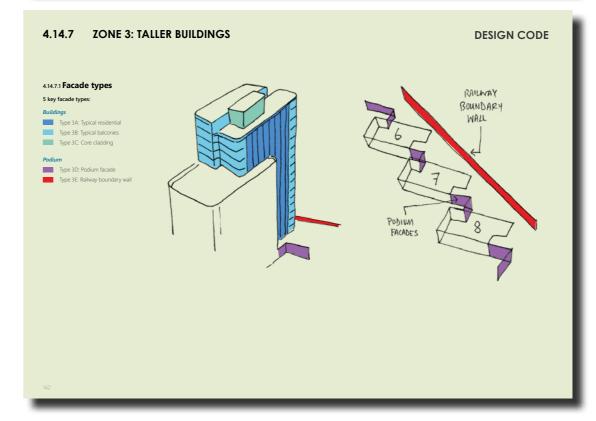
The low rise Buildings follow the design principles defined by the consented masterplan design code..

- Courtyard facing facades of all buildings- Facade Zone 2 are glazed terracotta.
- Facade Zone 3 is used on the tallest parts of Buildings 5 and 6 in the forms closest to the railway line. Again the materiality matches phase 1.

Colour varies by building, for all material colours refer to sitewide chapter section 04.

Design code pages, from consented permission:





5.14 BLOCK CONCEPT

The architectural composition is rooted in the response to the surroundings. We have developed a simple and defined set of rules that create one overall architectural language to the masterplan, while still allowing variation within each plot, in order that it's own individual character can be refined.

The Rear Buildings are informed by two distinct facade zones:

- Zone 2: Facing the town squares in the centre of the scheme
 Zone 3: Addressing the long views from the east, and the area where taller buildings are located

A more detailed breakdown of each zone and the principles that define its character are :illustrated below.

Zone 2 Within the site

- Town squares
- Mid-scale
- Privacy and passive surveillance
- Materiality: distinct individual buildings, but within the Ebury masterplan identity
- Natural materials: complimenting landscape design

Zone 3 Railway facing facade

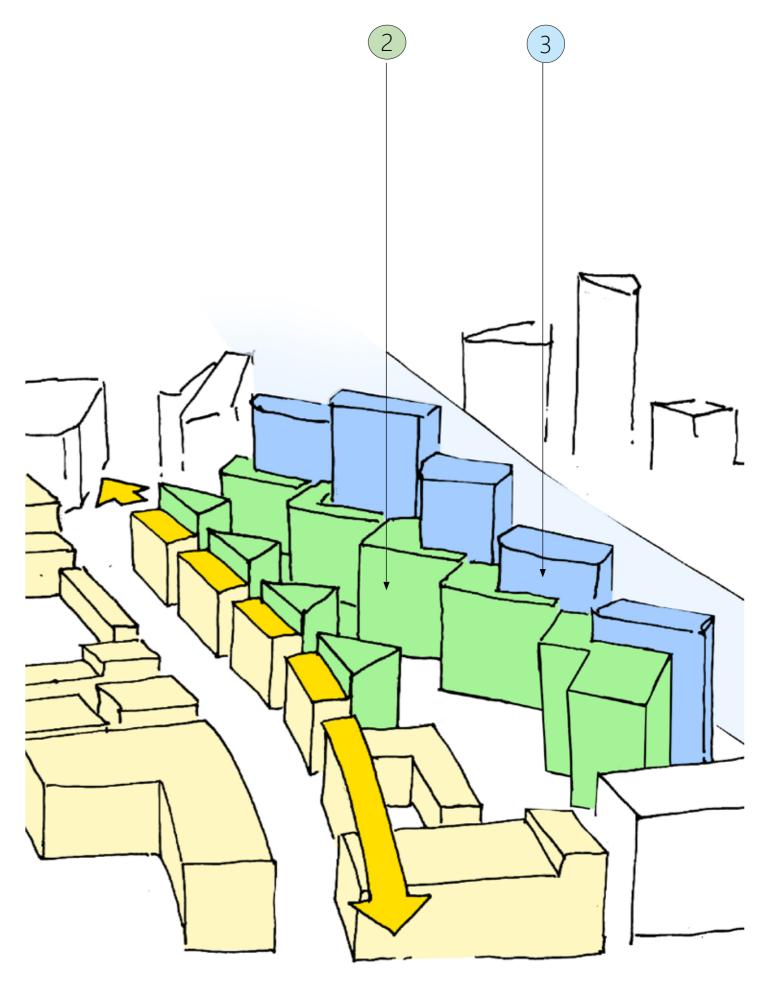
- Landmark scale
- Legibility
- Larger grain of architectural detailing: viewed from long distance
- 360° buildings: viewed from all sides



Landscaped town squares



Views from distance





Perspective view of Buildings 5 and 6. Landscape indicative - for detail on landscape refer to Landscape Chapter

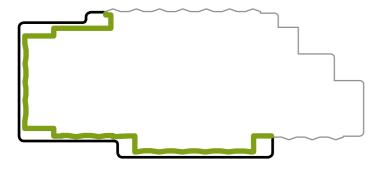
5.15 KEY FACADE TYPES: TOWN SQUARES

The primary facade addressing the new town squares is characterised by the following:

- Continuous precast concrete 'ribbon' balconies, with a gradual reduction in depth up the buildings. See section 5.15
- Green glazed terracotta rainscreen cladding, with a 'chevron' plan profile
- Full height opening windows onto the balconies



View from ground level of North West Elevations - artist impression



Characterised by continuous ribbon balcony and colour



Above: photo from Phase 1 under construction on site taken from Garden square

East: Facade Zone 3

Railway facing elevations: South-east orientated fenestration to living spaces, with glazed terracotta cladding

Longer side elevations: Continuous vertical mono tonal cladding. 'Chevron' shape in plan adds depth and shadow across the elevation.

Horizontal expression: Continuous to railway facing elevations. Subordinate to vertical expression on longer side elevations.

Railway podium elevation: Continuous masonry horizontal expression, lowering in height between buildings.



West (upper): Facade Zone 2

Horizontal expression: Linear balconies to living spaces. Minimum depth revealing full design of metalwork.

Cladding: Materiality and colour matching railway facing elevations to respond to longer distance views

West (lower): Facade Zone 2

Floor-to-floor fenestration with glazed terracotta cladding

Horizontal expression: Continuous ribbon balconies

Non-residential façades: Full height curtain walling system, glazed to create a strong relationship between internal spaces and the public realm

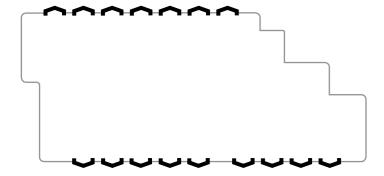
5.16 KEY FACADE TYPES: SIDE ELEVATIONS

The side elevations are characterised by the following:

- Vertical precast concrete cladding panels with matching 'chevron' plan profile to town square elevations
- Subordinate horizontal expression
- 'Juliet' style inward opening half height windows
- Monochrome colour palette, providing backdrop for colour elsewhere
- Detailed to give a monolithic feel to the architecture, with minimal or hidden joints between panels



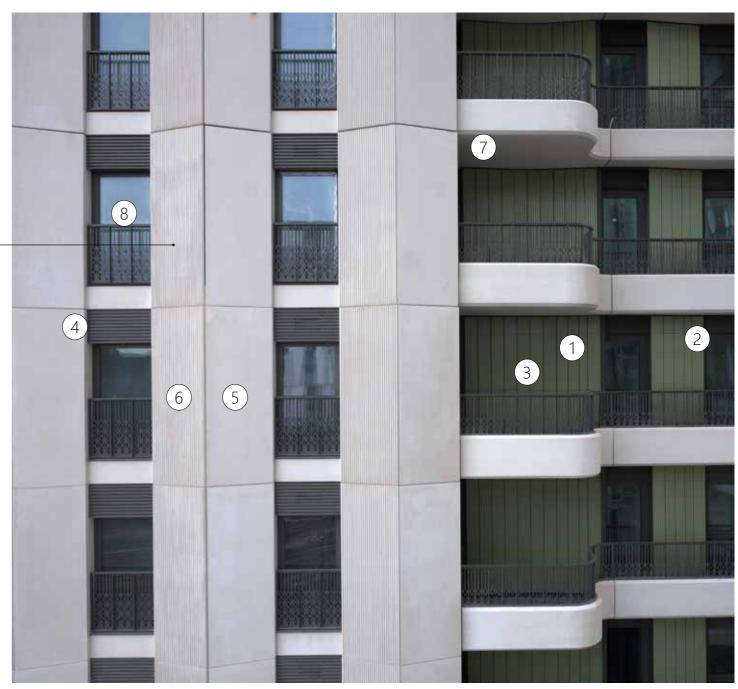
View from private balcony, looking towards adjacent building. This is a photo from the construction of Phase 1; this same detailing will apply to phase 2 Buildings 5 & 6



Typical plan of facades showing location of pre-cast concrete chevrons

Directional Vertical Piers

To emphasise light and shade, the facade incorporates a pattern to one side of the chevron shaped piers, running vertically up the building. A similar feature has been designed into the low rise buildings, in brick. The effect changes during the course of a day, depending on weather conditions, and the position of the sun, accentuating light and dark to add strong modelling to the elevations.



Materials and building form of buildings 5 and 6 will match phase 1. Key features highlighted to the right:

- 1 terracotta -
- 2 terracotta joints line through with window head,
- 3...and with balustrade
- 4 louver above window
- 5 precast smooth finish
- 6 precast ribbed
- 7 exposed smooth precast soffit
- 8 'Juliet' style inward opening windows



Above: photograph from phase 1 under construction on site, showing side elevations of Tall Buildings Page 120

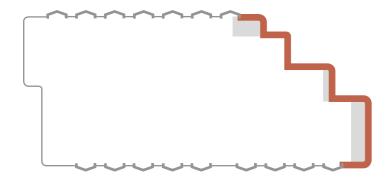
5.17 KEY FACADE TYPES: RAILWAY ELEVATIONS

Railway facing façades are characterised by the following:

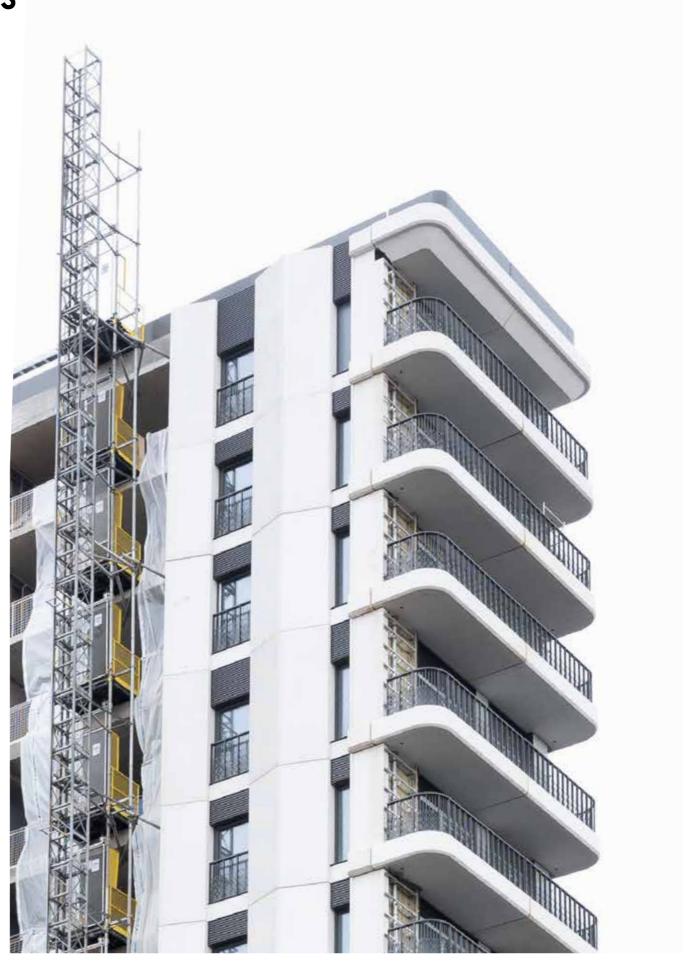
- Strong continuous horizontal expression, reducing in depth up the building
- Horizontal expression steps in and out in plan to create private amenity spaces for apartments
- Glazed terracotta adds colour against monotone masonry horizontal expression
- Balcony soffits to have a high quality precast concrete smooth finish, matching that achieved on phase 1 this is really important to the quality of the project, since the underside of balconies are visible to neighbours, and to any users of the busy railwayline



External view - Facade Zone 3 facing the railway

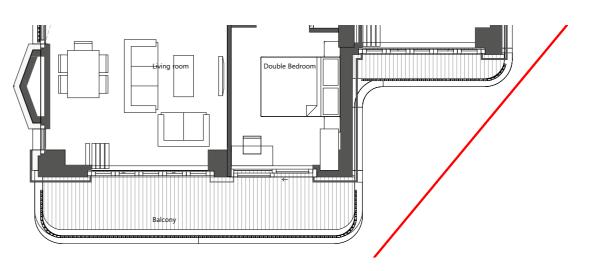


Continuous horizontal expression and colour with range of balcony types



Above - photograph from site of the railway facade under construction (terracotta panels not yet installed). The photo demonstrates the importace of high quality balcony undersides.





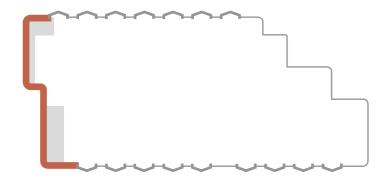
5.18 KEY FACADE TYPES: UPPER NW ELEVATIONS

These facade are similar in character to the railway elevations, as below:

- Strong continuous horizontal expression, reducing in depth up the building
- Horizontal expression steps in and out in plan to create private amenity spaces for apartments, creating full width balconies to each of the apartments
- Coloured glazed terracotta adds colour against monotone masonry horizontal expression



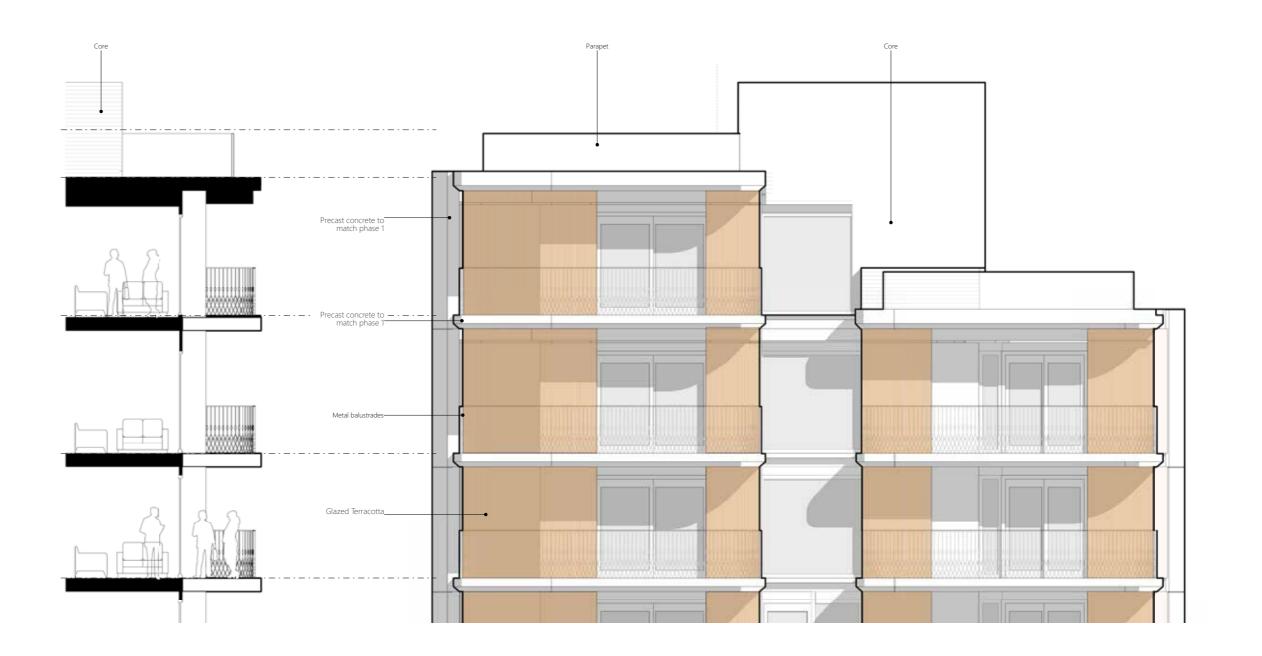
View from west (Building 6)

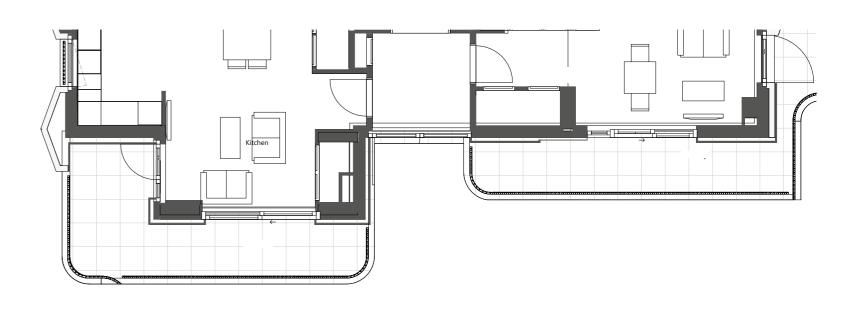


Continuous horizontal expression and colour with linear balconies



Above: Photograph from site, showing the upper levels of Building 7 as viewed from the new public square. This photo shows many of the same design principles as appear on Buildings 5 and 6. The photo again highlights the importance of high quality precast concrete soffits to all balconies and to the precast concrete perimeter feature banding.





5.19 BALCONIES & METALWORK

The relationship between the balustrades and the precast concrete balconies is a fundamental detail to the building's character. The lower levels of the buildings have a greater degree of precast as part of the masterplan strategy to ensure greater privacy from the public realm, with this solidity reducing up the building.

Drawing on the masterplan design, and matching phase 1, the metalwork provides the scheme with a level of ornamentation and fine detailing.

Privacy Screens

These are introduced throughout the ribbon balconies with the following objectives:

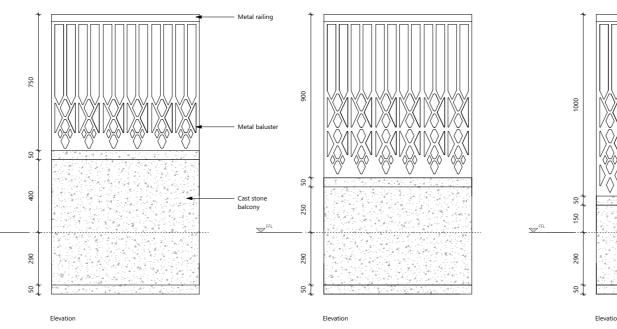
- Denoting tenant demise
- Increasing privacy for residents

The visual opposite shows how a simple opaque glass screen is integrated seamlessly into the design, complimenting the green terracotta cladding.



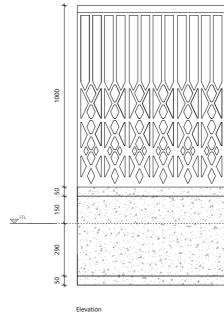
Precedent: Phase 1 balcony under construction

Balcony metalwork conditions



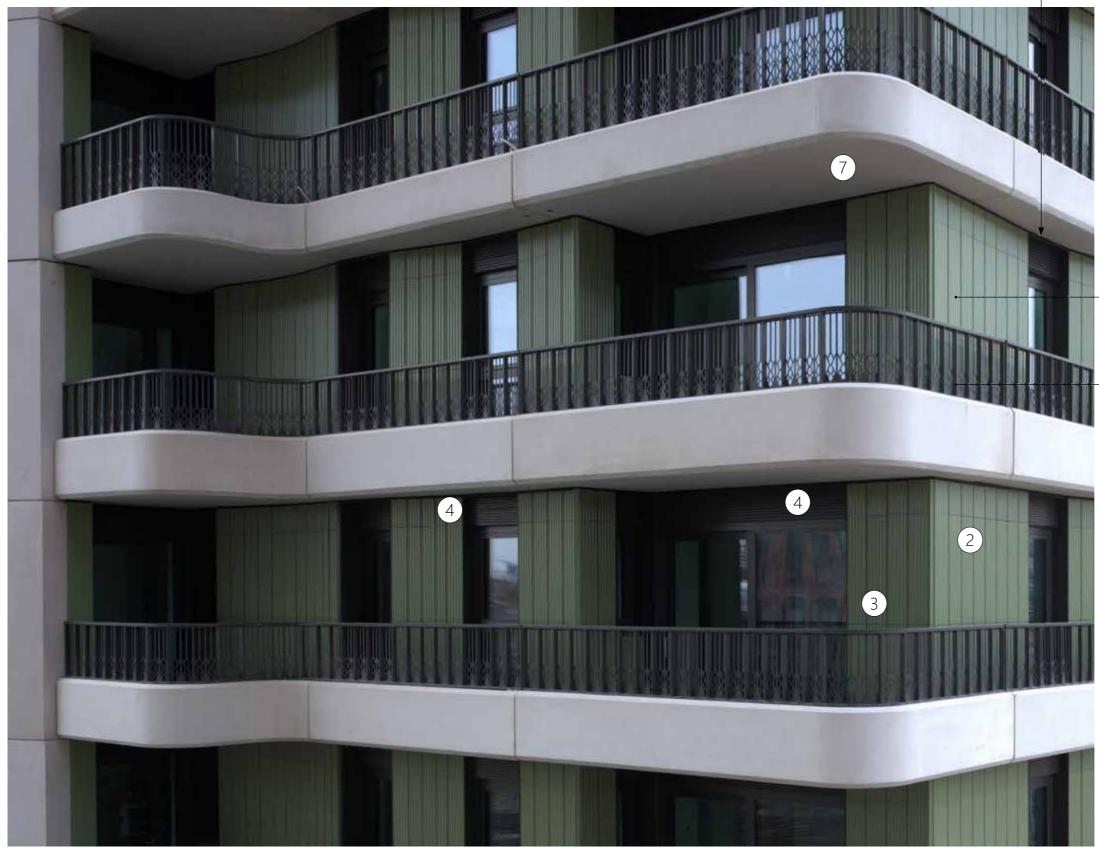
Type A450mm high masonry upstand
750mm high balustrade

Type B300mm high masonry upstand
900mm high balustrade



Type C 150mm high masonry upstand 1050mm high balustrade

This pattern is designed to enable a reduction in height of the metalwork and provide the same design throughout.



Glazed terracotta cladding system

Low level motif restricts views in

- Key:
 2 terracotta joints line through with window head,
- 3...and with balustrade
- 4 louver above window 7 exposed smooth precast soffit

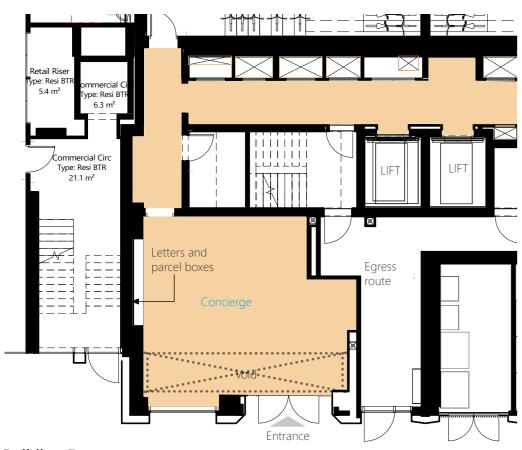
Typical town square balcony - view in. Photograph taken from Phase 1 under construction

5.20 **ENTRANCE - BUILDING 5**

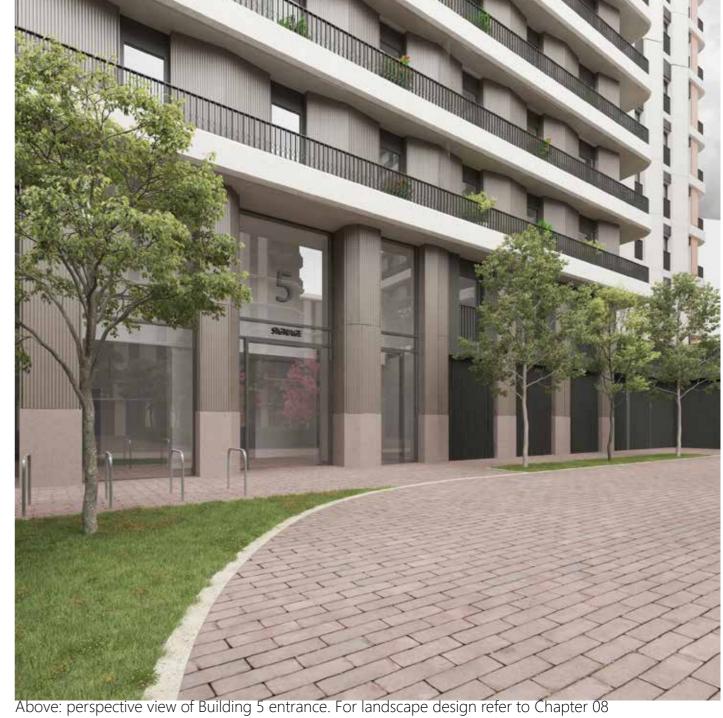
Both Building 5 and 6 are provided with a double order ground floor, which emphases the entrances, and continues the design approach of phase 1.

Both incorporate double height spaces, increasing daylight internally, and enhancing the sense of quality.

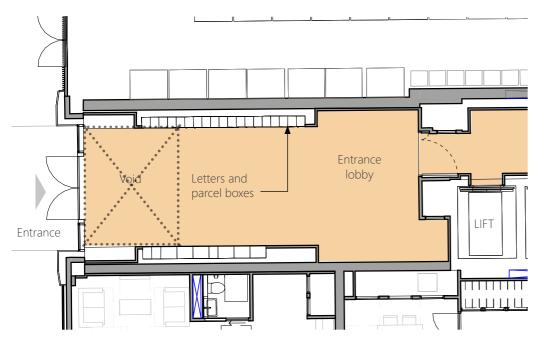
Building 5 is designed to accommodate a concierge.



Building 5 entrance



5.21 **ENTRANCE - BUILDING 6**



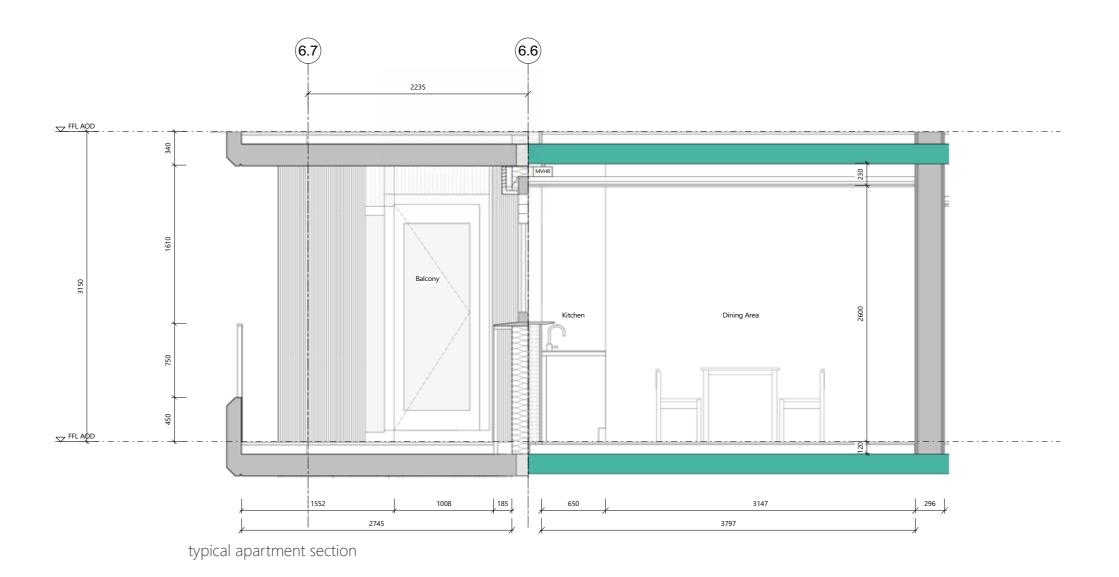
Building 6 entrance

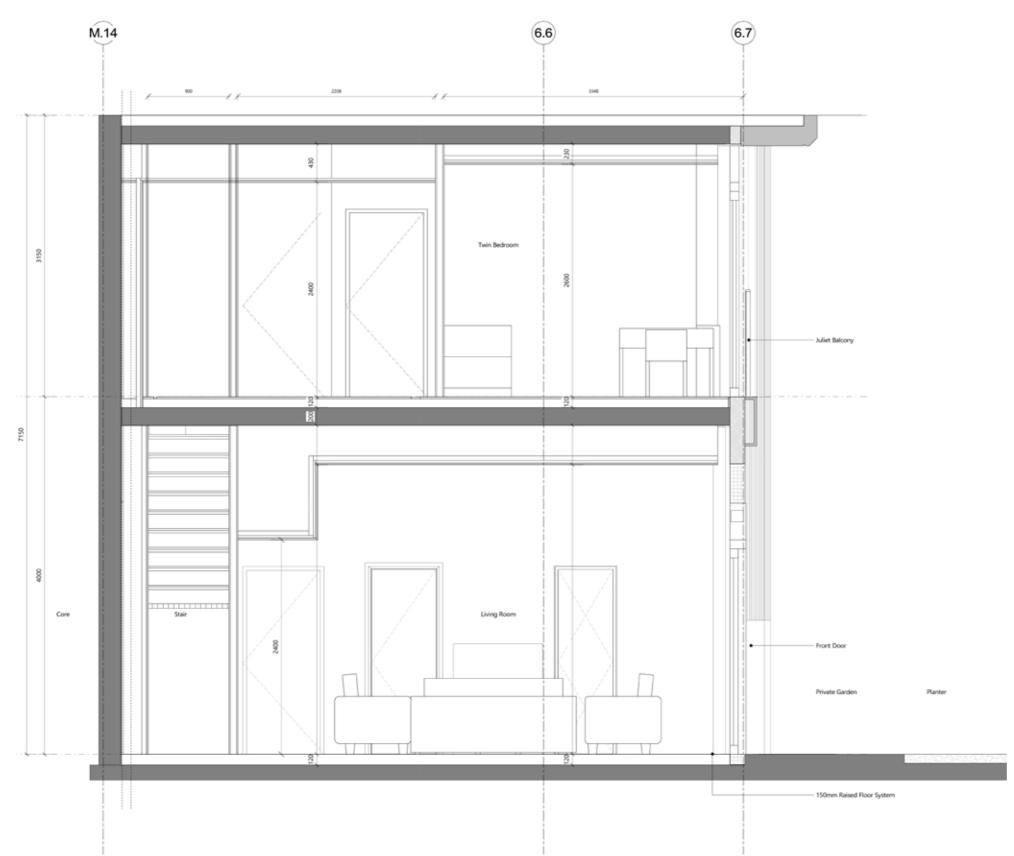


5.22 TYPICAL APARTMENTS - TALL BUILDINGS

The dwellings of Buildings 5 and 6 share many of the same design features as those in Phase 1 under construction on site. Key features such as 2.6m tall floor to ceiling heights remain, with taller heights in the ground floor of Duplex homes.

- Main living spaces ceiling heights are 2.6MBathrooms and hallways have a 2.4M ceiling height







Duplex apartments with defensible space / raised planters integrated into landscaping design

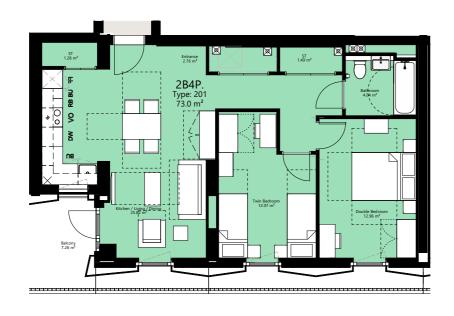
Typical duplex section

5.23 TYPICAL APARTMENTS- SOCIAL RENT (B6)

1 BEDS 2 PERSON HOME



2 BED 4 PERSON HOMES



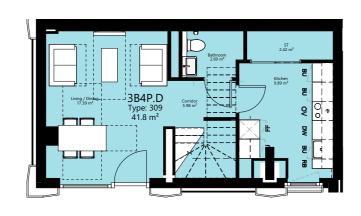
TYPE 201



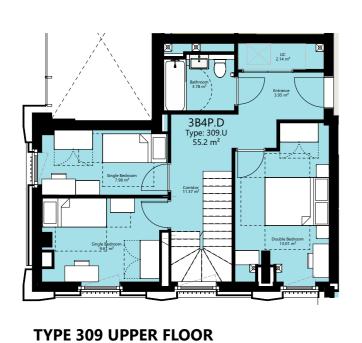
TYPE 202

TYPE 204

3 BED DUPLEXES

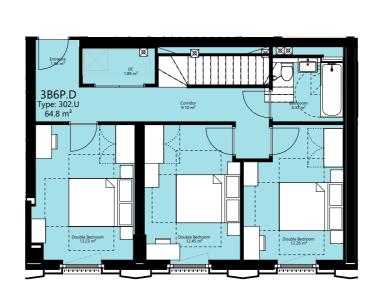


TYPE 309 LOWER FLOOR

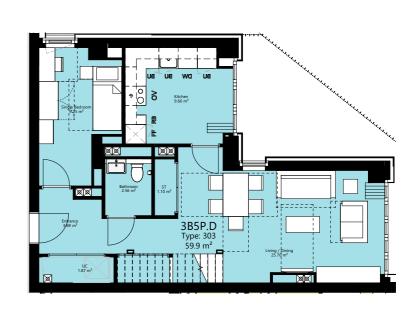


Robert of Market of State of S

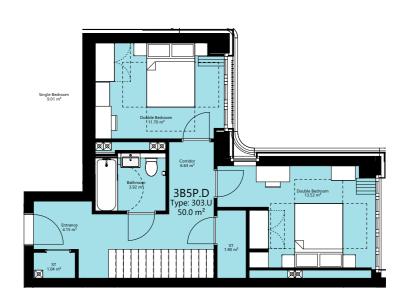
TYPE 302 LOWER FLOOR



TYPE 302 UPPER FLOOR

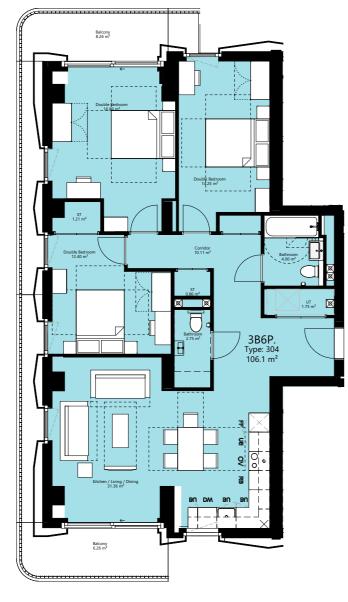


TYPE 303 LOWER FLOOR

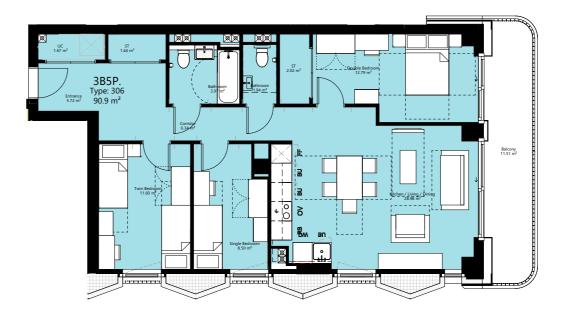


TYPE 303 UPPER FLOOR

3 BED 5 AND 6 PERSON HOMES



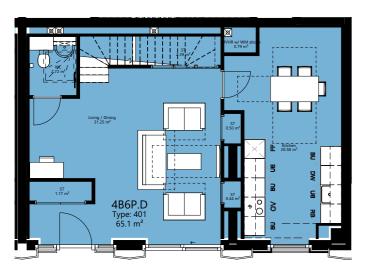
TYPE 304



TYPE 306

4 BED 6 PERSON HOMES

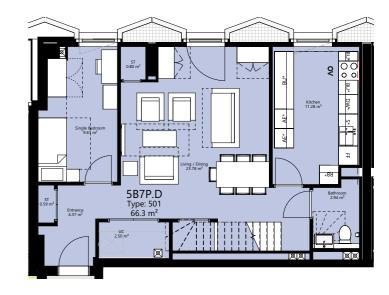
5 BED 7 PERSON HOME



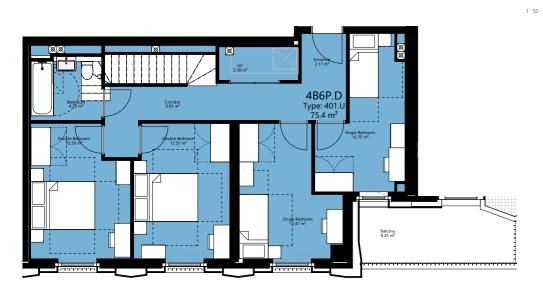
TYPE 401 - LOWER FLOOR



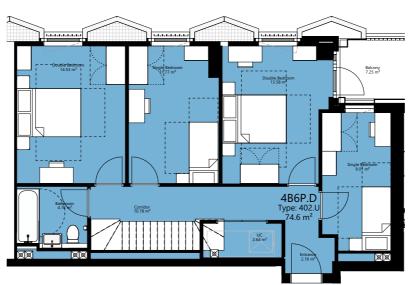
TYPE 402 - LOWER FLOOR



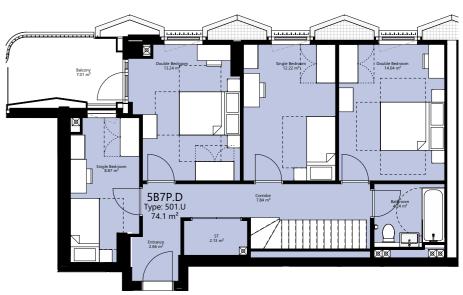
TYPE 501 - LOWER FLOOR



TYPE 401 - UPPER FLOOR

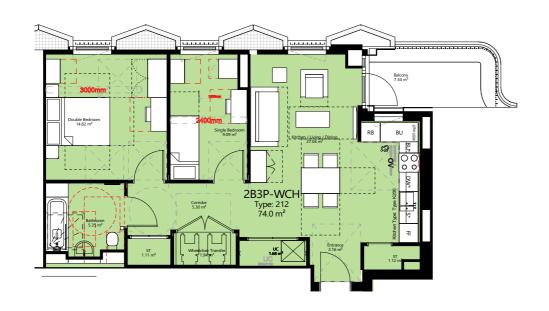


TYPE 402 - UPPER FLOOR

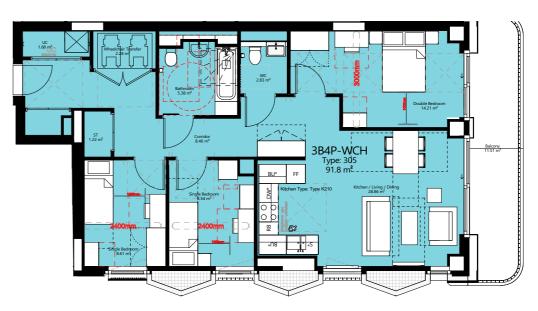


TYPE 501 - UPPER FLOOR

WHEELCHAIR UNITS



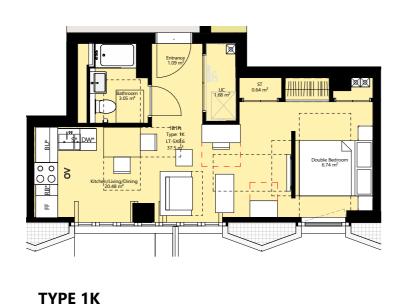
TYPE 212 - 2 BED 3 PERSON HOME

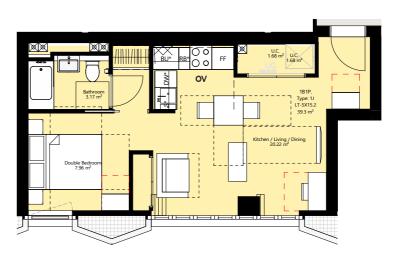


TYPE 305 - 3 BED 4 PERSON HOME

5.24 TYPICAL APARTMENTS- MARKET (B5)

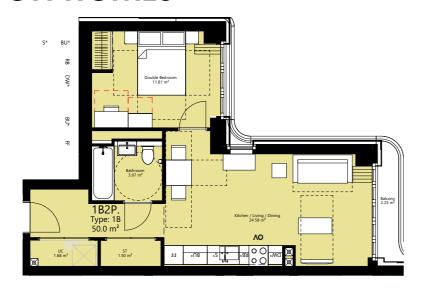
1 BED 1 PERSON HOMES



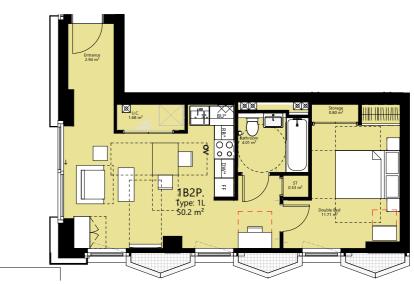


TYPE 1J

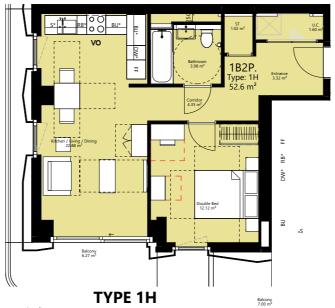
1 BED 2 PERSON HOMES



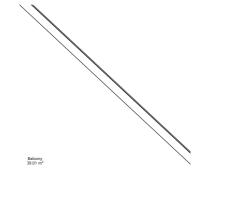
TYPE 1B



TYPE 1L





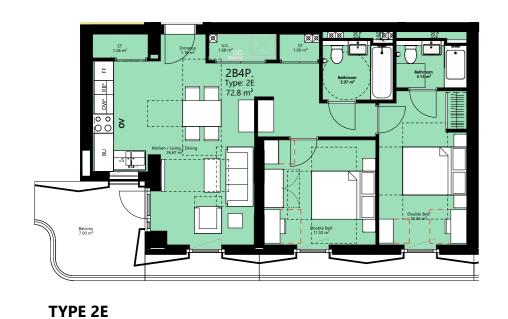




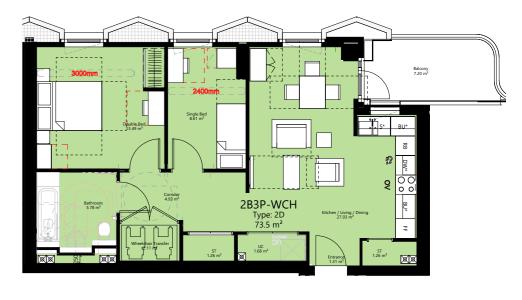
TYPE 1L

2 BED 4 PERSON HOMES

2 BED WHEELCHAIR HOME

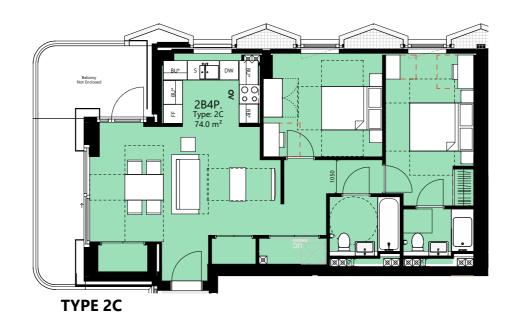




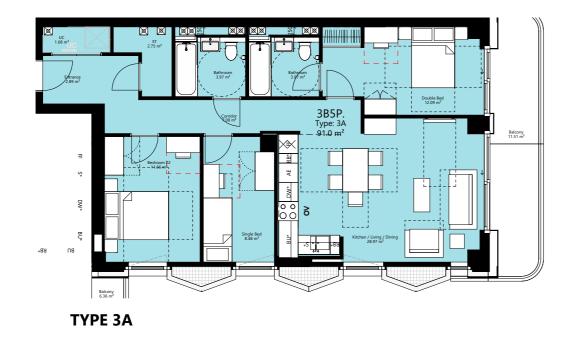


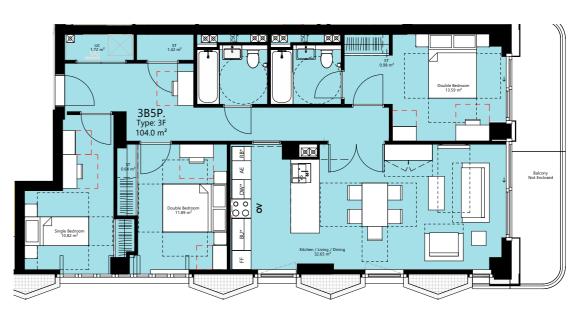
TYPE 2A TYPE 2D (WHEELCHAIR)





3 BED 5 PERSON HOMES





TYPE 3F