



UBC - BCR Lot 7

1.0	Introduction		View South from Evolve and Echo	31
	Contents Page	01	View North towards Evolve and Echo	32
	Project Statistics Summary	02	View Between Buildings C1 and C2	33
			View Between Buildings A and C3	34
2.0	Context		View from Elevated Walkways	35
	Neighbourhood Context	04	Internal Courtyard at night	36

Table of Contents

Internal Courtyard

	Project Statistics Summary	02	View Between Buildings C1 and C2		
			View	iew Between Buildings A and C3	
2.0	Context		View from Elevated Walkways		
	Neighbourhood Context	04	Interr	ernal Courtyard at night	
	Site Context	05			
			6.0	Required Drawings	
3.0	Site Analysis		A0.01	Project Statistics	
	Site Photos	07	A0.02	Project Statistics	
	Site Analysis	08			
	Site Response	09	A1.01	Context plan	
	Hierarchy of Connections	10			
	Shadow Studies	11	A2.01	Parking Level P3 Plan	
	Shadow Studies - Courtyard Detail	12	A2.02	Parking Level P2 Plan	
	Shadow Studies - Courtyard Perspectives	13	A2.03	Parking Level P1 Plan	
			A2.04	Level 01 Plan	
4.0	Design Rationale		A2.05	Level 02 / Mezzanine Plan	
	Building Typologies	15	A2.06	Level 03-06 Plan	
	Residential Amenity - Patios on Walkways	16	A2.07	Level 07-14 Plan	
	Communal Amenity - Plan	17	A2.08	Roof Plan	
	Communal Amenity - Sketch Views	18			
	Building A - Market Rental Tower	19	A3.01	East & West Elevation	
	Building A - Materials board	20	A3.02	North & South Elevation	
	Building B - Faculty & Staff low-rise apartment	21	A3.03	Internal Elevation (South & North)	
	Building B - Materials board	22	A3.04	Internal Elevation (West)	
	Building C - Faculty & Staff walkway access apartments	23			
	Building C - Materials board	24	A4.01	Building Section A	
	CPTED Strategies	25	A4.02	Building Section B	
5.0	Perspectives			Landscape Drawings	
	View along Wesbrook Mall	27		Civil Engineering Drawings	
	View from Research Park	28		Survey	
	Park Facing Social Area	29		Tree Management Plan	

30

REAP 3.3 Checklist

SECTION I CONTENTS

DP



UBC - BCR Lot 7

Project Statistics Summary:

Legal Description: Lot 7, District Lot 6494

Group 1, N.W.D Plan EPP8635

Zoning: Tower (Market Rental): SC3C

Mid-rise (Faculty & Staff): SC3C

Site Area: 67,047 sq.ft (6228.9 sq.m)

Max. Allowable FSR: 3.5 = 234,644.5 sq.ft (21,801 sq.m)

Proposed FSR: 3.5 = 234,481.7sq.ft (21,784.1 sq.m)

Maximum Allowable Site Coverage: 50% Site Coverage (Incl. exterior walkways): 50%

Allowable Building Height: 43m (141'-1")

Proposed Building Height: 44.5m (146')

Variance Request: 1.5m (4'-11")

Total No. Units: Market Rental: 189 units

Faculty & Staff: 114 units

Total Parking stalls:272 stallsTotal Bike Parking:675 (Class I)

70 (Class II)

Client UBC Properties Trust

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Suite 200

Vancouver, BC

V6S 0C8

604-731-3103

Architect dys architecture

1770 Burrard Street

Suite 260

Vancouver, BC

V6J 3G7

604-669-7710

Landscape Perry and Associates Inc.

12 East Broadway

Vancouver, BC

V5T 1V9

604-738-4118

SECTION I PROJECT TEAM

DP



SHOOLWAS

UBC - BCR Lot 7

2.1 Neighbourhood Context

BCR Lot 7 located in Wesbrook Place has a unique urban character with a community plan focused on facilities which are within walking distance from the centre of the neighbourhood. The neighbourhood includes a high school, community centre, rental homes, family and senior housing options, and includes faculty and staff rental housing, market rental housing and market condominiums. The commercial town centre comprises of a large grocery store, restaurants, cafes, shops and services.

The village itself radiates from the commercial town centre at the heart of Wesbrook Place, to several mid-rise housing communities each surrounding a public green space.

These green spaces are connected either by water features.

These green spaces are connected either by water features or other hard landscape features to aid in wayfinding



1. Wesbrook Village Centre



3. Michael Smith Park





SECTION II CONTEXT

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UBC - BCR Lot 7

2.2 Site Context

BCR Lot 7 is just over 6,000 sq.m in area with Wesbrook Mall as the sole facing street. The BCR development lots surround a central green park, BC Research Park, which connects to the roads of the Research block on all four sides. The BC Research Park provides greenway access to Smith Park to the North, Council Trails in Pacific Spirit Regional Park to the East and direct connection to Wesbrook Mall greenway. Across the street from BCR 7 sits a six storey mid-rise residential building called Magnolia House which contains faculty and staff housing. BCR lots 8 & 9 to the North are recently completed 6 storey faculty & staff buildings. BCR 5/6 to the south is currently under construction and consists of an 18 storey market rental tower and two 6 storey faculty & staff buildings. One key challenge to the site is providing parkade and fire lane access to a site with one facing street at the short side of the site. Another key challenge is maintaining a physical and visual connection to BCR 8 & 9 with a 3m grade change along the North property line.

1. Magnolia House



Evolve - Completed August 2022
 Echo - Complete November 2023



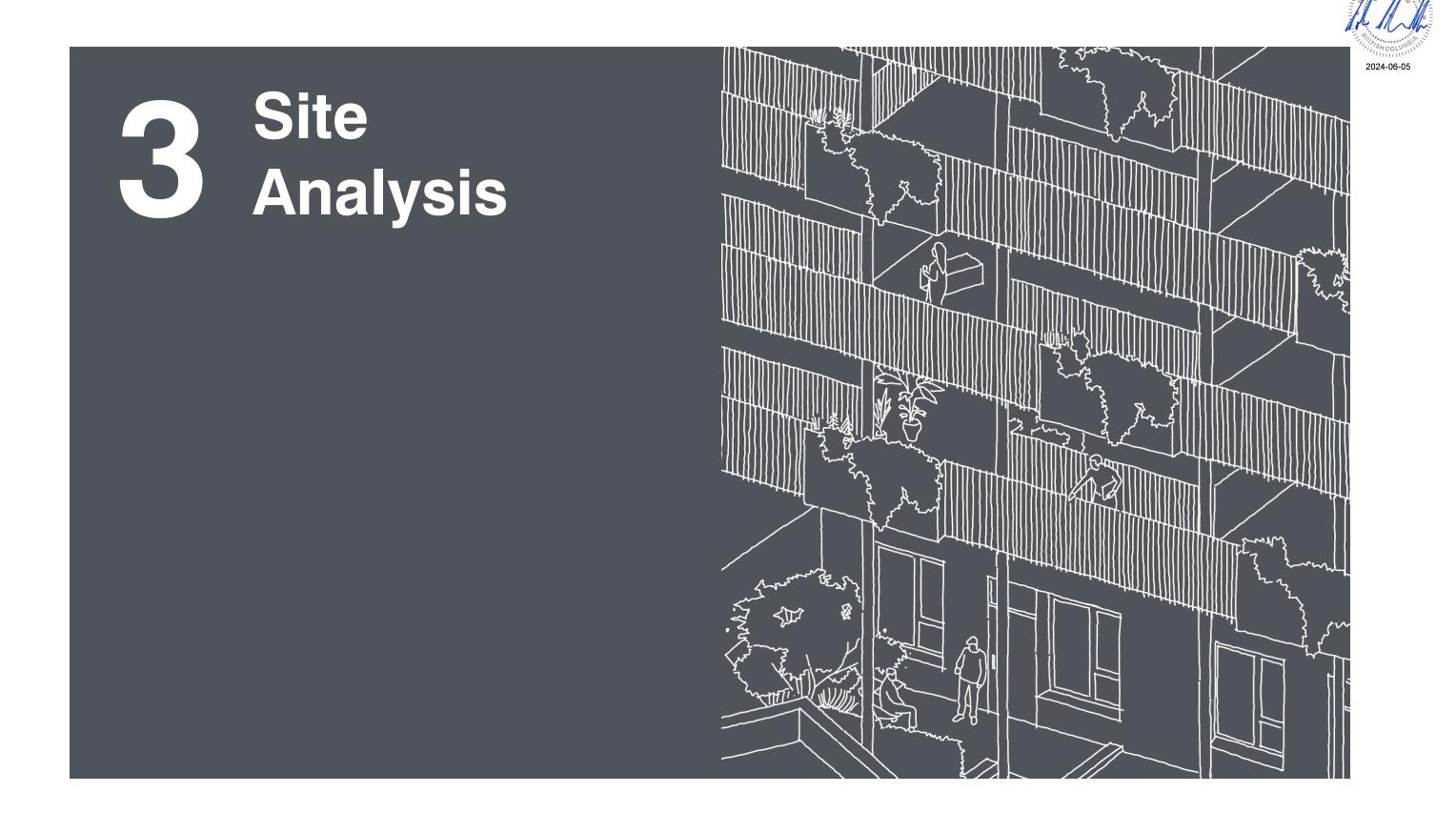
4. BCR Lot 5/6 - 2026





SECTION II CONTEXT

DP

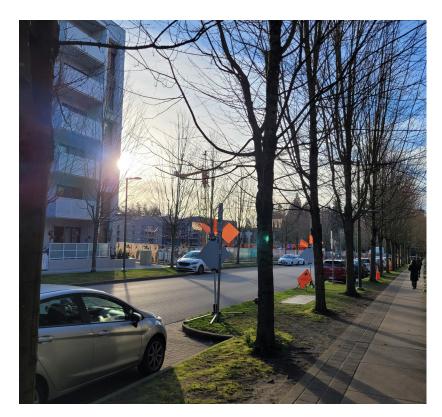


SEREDARC JUNISTAN 10 HCOLUMN

UBC - BCR Lot 7

3.1 Site Photos

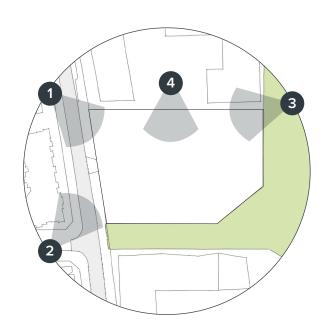
Walking south along Wesbrook Mall, the primary approach to the site is seen in image 1. This view looks at the relationship to BCR 8. The second approach to the site is shown in image #2, looking North-east from the corner of Ross Drive and Wesbrook Mall. Image #3 is looking west along the property line between BCR 8 & 9 and BCR 7. Lastly, image #4 is the view from BCR 8 & 9 courtyard looking south.



1. Corner from Mangnolia House



2. Corner of Ross Drive and Wesbrook Mall





3. Connection BCR 7 and BCR 9



4. Courtyard BCR 8 & 9

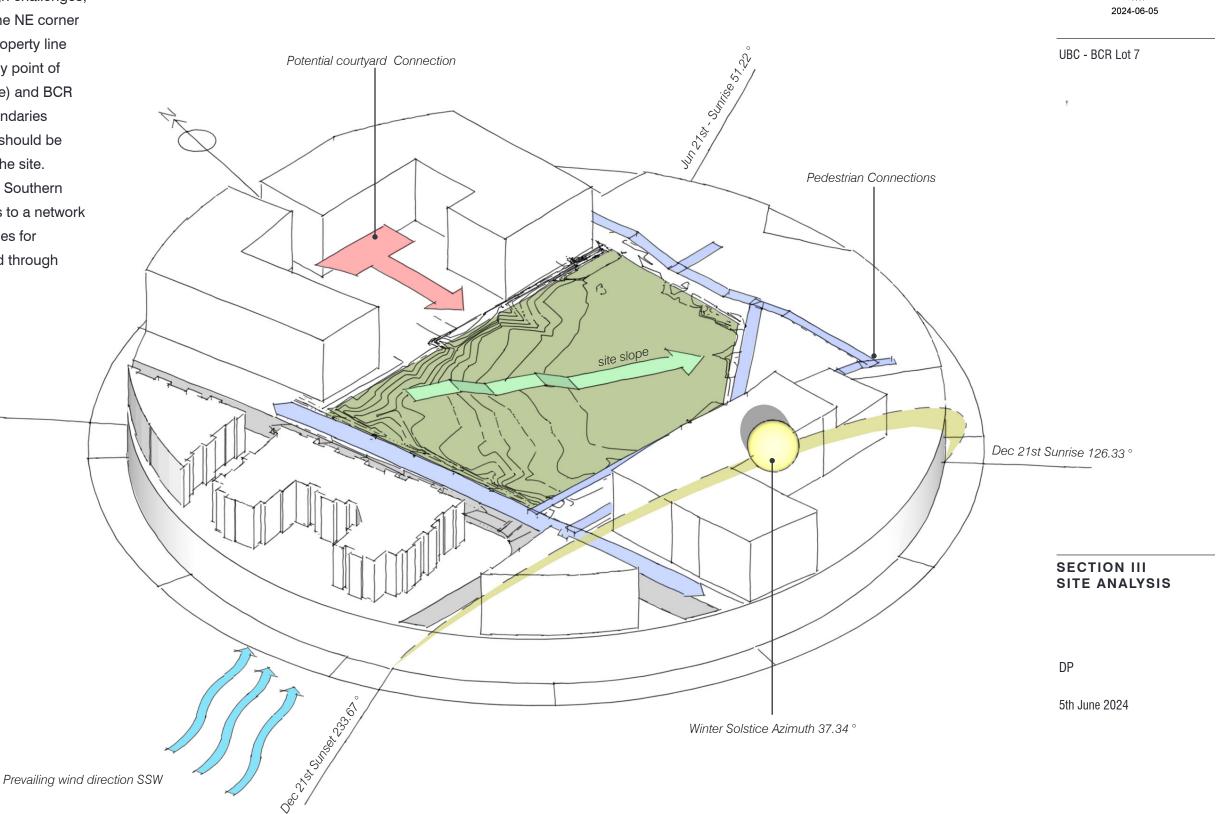
SECTION III SITE ANALYSIS

DP

3.2 Site Analysis

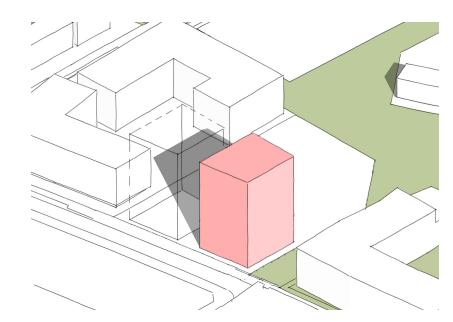
The topography of the site raises several design challenges, with a 12' (3.6m) grade change sloping from the NE corner of the site down to the SW corner. The West property line sits on Wesbrook Avenue and provides the only point of access for a parking entry ramp. BCR 8 (Evolve) and BCR 9 (Echo) have developed around their site boundaries creating an open central courtyard space that should be addressed when considering the massing on the site. The site borders the BC Research Park on the Southern and Eastern property lines giving direct access to a network of paths. These connections create opportunities for secondary connections to be made across and through BCR 7.

Jun 21st - Sunset 308.78°



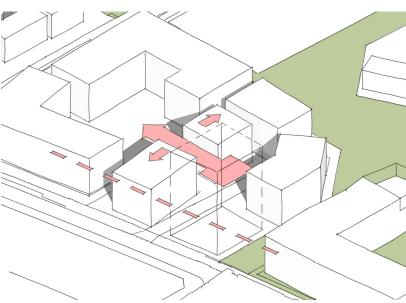
3.3 Site Response

The site massing moves were developed in response to neighbouring relationships to BCR 8 & 9, the BC Research Park and BCR 5/6, and also address key Design Guidelines in the Wesbrook Neighbourhood Plan. For example, enlivening gaps between buildings, maintaining the community living room feel of Wesbrook Village and creating a unique social living experience for residents.



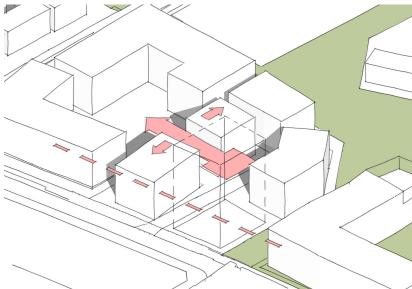
1. Tower Placement:

As per the Wesbrook Place Neighbourhood Plan, 14-stories is allocated at the West portion of the site, along Wesbrook Mall. The tower was placed at the south west corner to minimize the shadowing impact on the courtyard of BCR 8 & 9.



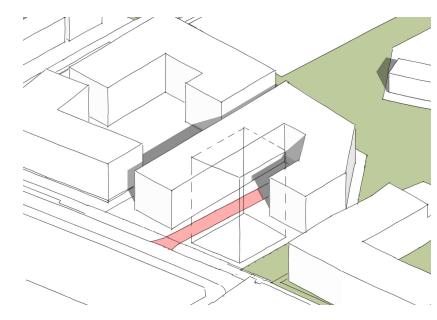
3. Connections:

Significant connections to BCR 8 & 9 and the park have been made by breaking up the 6-storey massing at key locations.



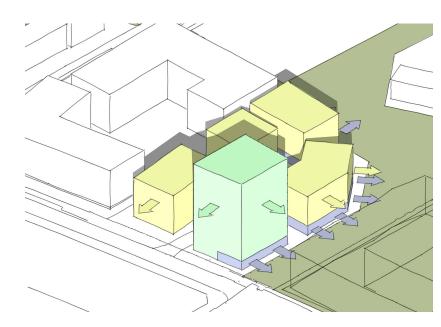
4. Widen Building B Gap and Align Street Frontage:

The gap between Buildings B & C is widened to increase the courtyard connection with BCR 8 & 9 and by twisting Building B to align with the street.



2. Six Storey Massing and Fire Lane Requirement:

As the site only has street access on one side, a fire lane access is required to reach the building at the far east of the site and is placed down the centre. The 6-storey massing wraps around this to form a courtyard.



5. Varied Housing Types:

The resulting massing, allows for a variety of housing types. High-rise market housing in Building A, Faculty & Staff lowrise apartments in Building B, and Faculty & Staff exterior walkway access with dual aspect apartments above two-storey townhomes in Building C.



UBC - BCR Lot 7

SECTION III SITE ANALYSIS

DP

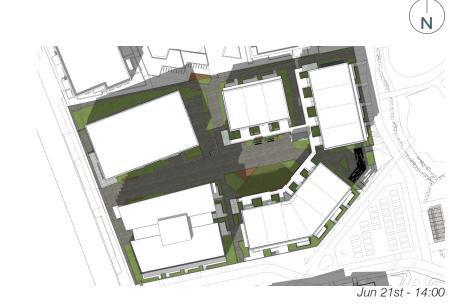


UBC - BCR Lot 7

3.5 Shadow Studies









Sept 21st - 10:00

Autumnal Equinox





Sept 21st - 14:00







Dec 21st - 14:00

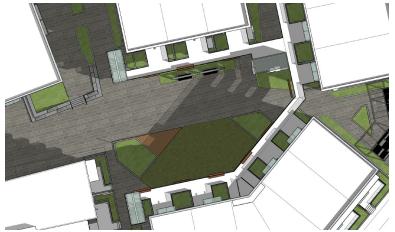
SECTION III SITE ANALYSIS

DP

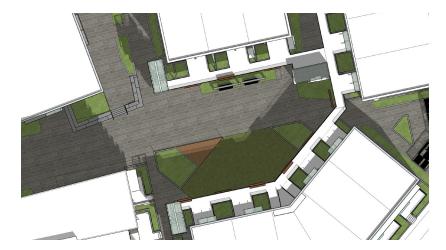


UBC - BCR Lot 7

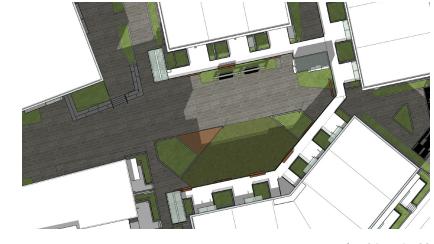
3.5 Shadow Studies - Courtyard Detail



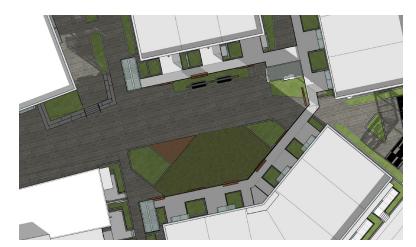




Jun 21st - 12:00

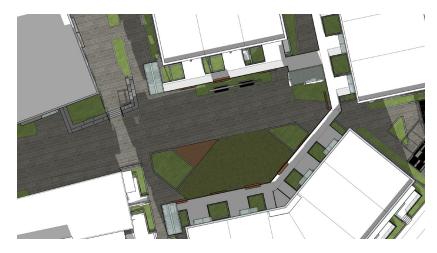


Jun 21st - 14:00

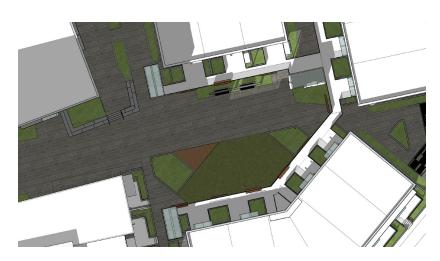


Sept 21st - 10:00

Autumnal Equinox



Sept 21st - 12:00



Sept 21st - 14:00



Winter Solstice Dec 21st - 10:00



Dec 21st - 12:00



Dec 21st - 14:00

SECTION III SITE ANALYSIS

DP

UBC - BCR Lot 7

3.5 Shadow Studies - Courtyard Perspectives







Jun 21st - 14:00

Summer Solstice

Jun 21st - 10:00

Jun 21st - 12:00







Sept 21st - 12:00

Sept 21st - 14:00

DP

5th June 2024



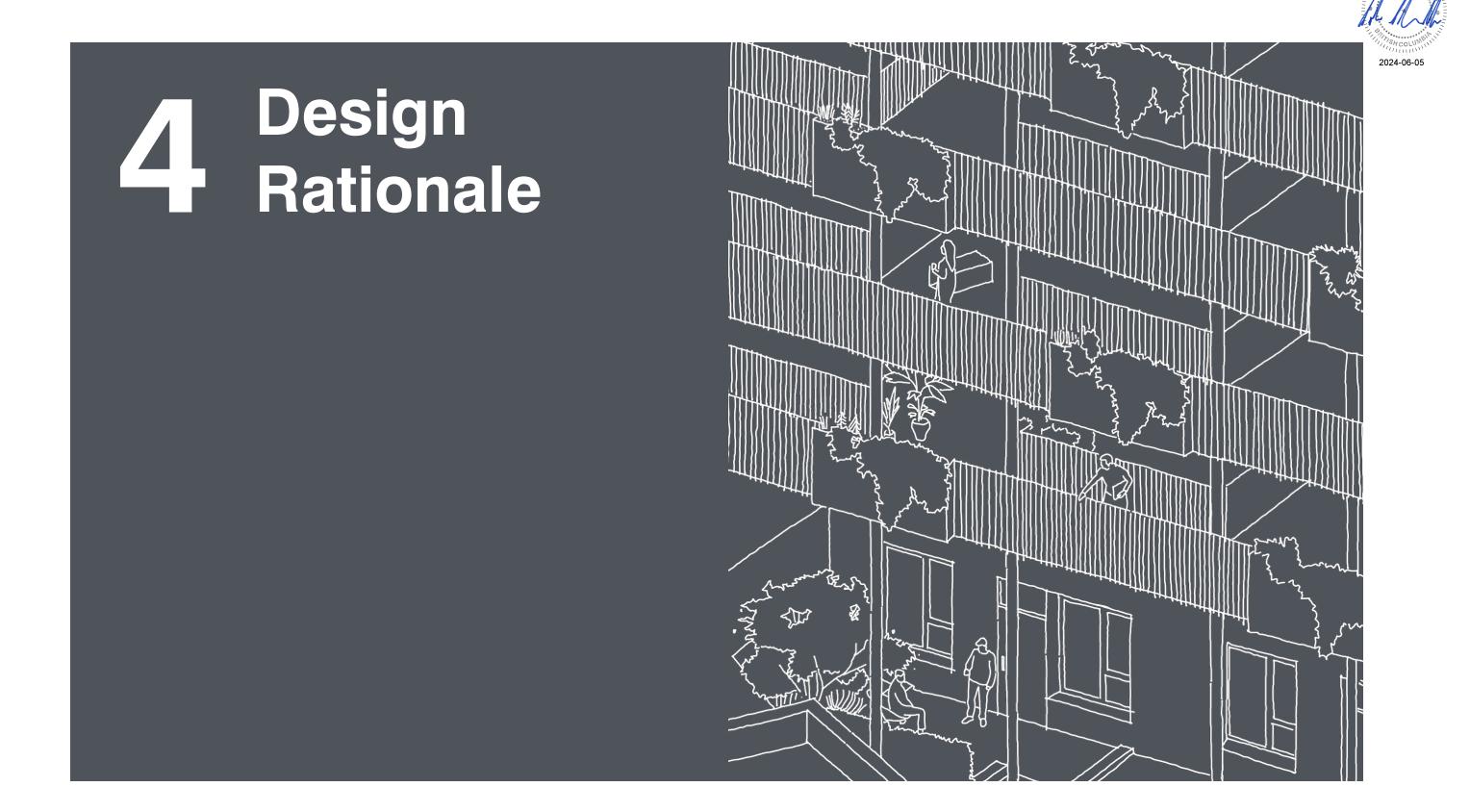




Dec 21st - 14:00

Dec 21st - 12:00

13



UBC - BCR Lot 7

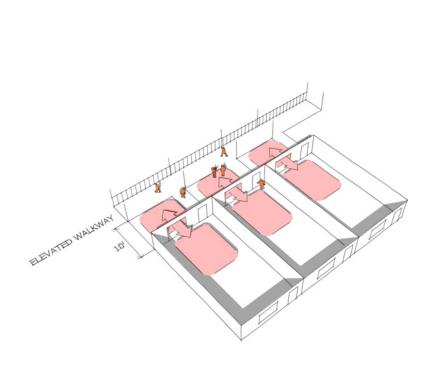
4.1 Building Typologies

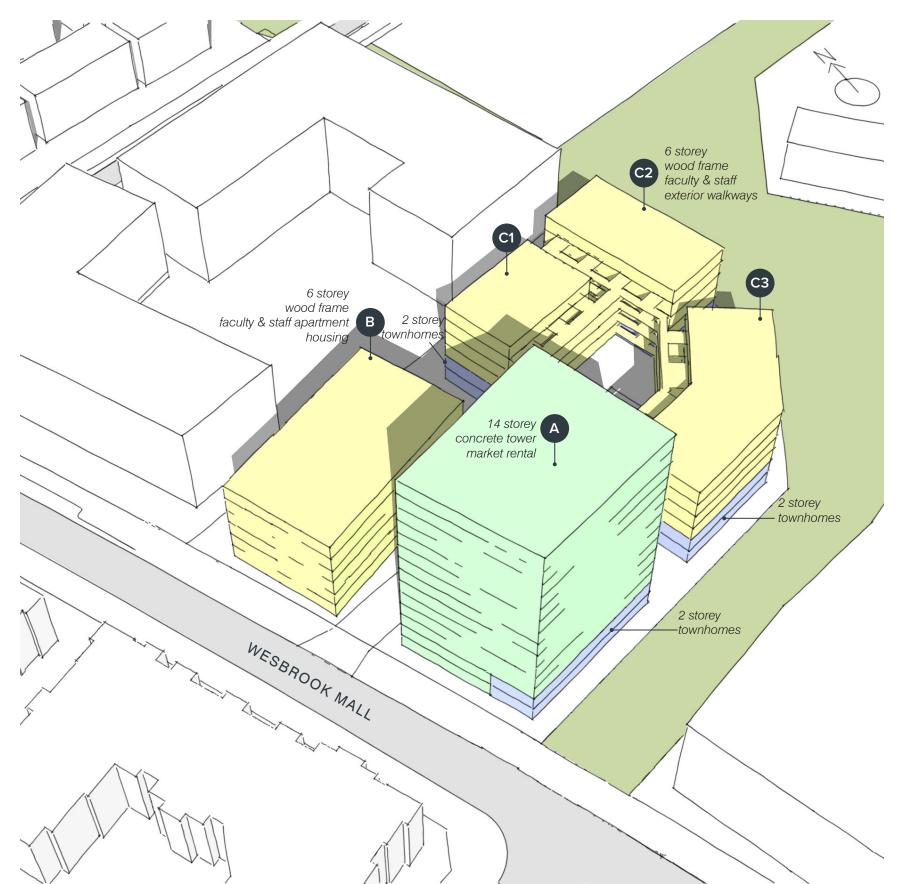
The proposed massing for this development allows for various housing types which are as follows:

Building A, is a market rental tower with a 8477.7 sq.ft typical floor plate consisting of 14 units per floor for a total of 189 units.

Building B, is faculty & staff apartments with a 7609.5 sq.ft typical floor plate consisting of 8 units per floor for a total of 40 units.

Building C is also faculty & staff housing, consisting of 3 blocks all connected by exterior walkways. The base consists of 2 storey townhomes with at grade access to the outdoors. L3-6 are dual aspect units connected with exterior walkways at the courtyard side. The exterior walkways sit 10' away from the building face to provide private patios for the residents. The total unit count is 74, with the majority being 3-bed units.





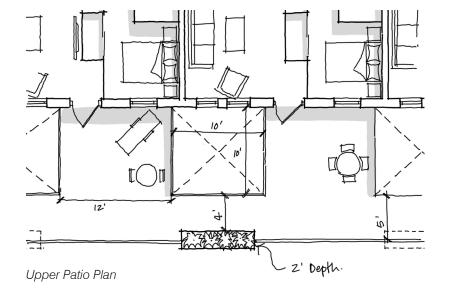
SECTION IV DESIGN RATIONALE

DP

2024-06-05

UBC - BCR Lot 7

4.2 Residential Amenity - Patios on Walkways







Relationship to walkway





Section through Elevated Patios

Section through Courtyard

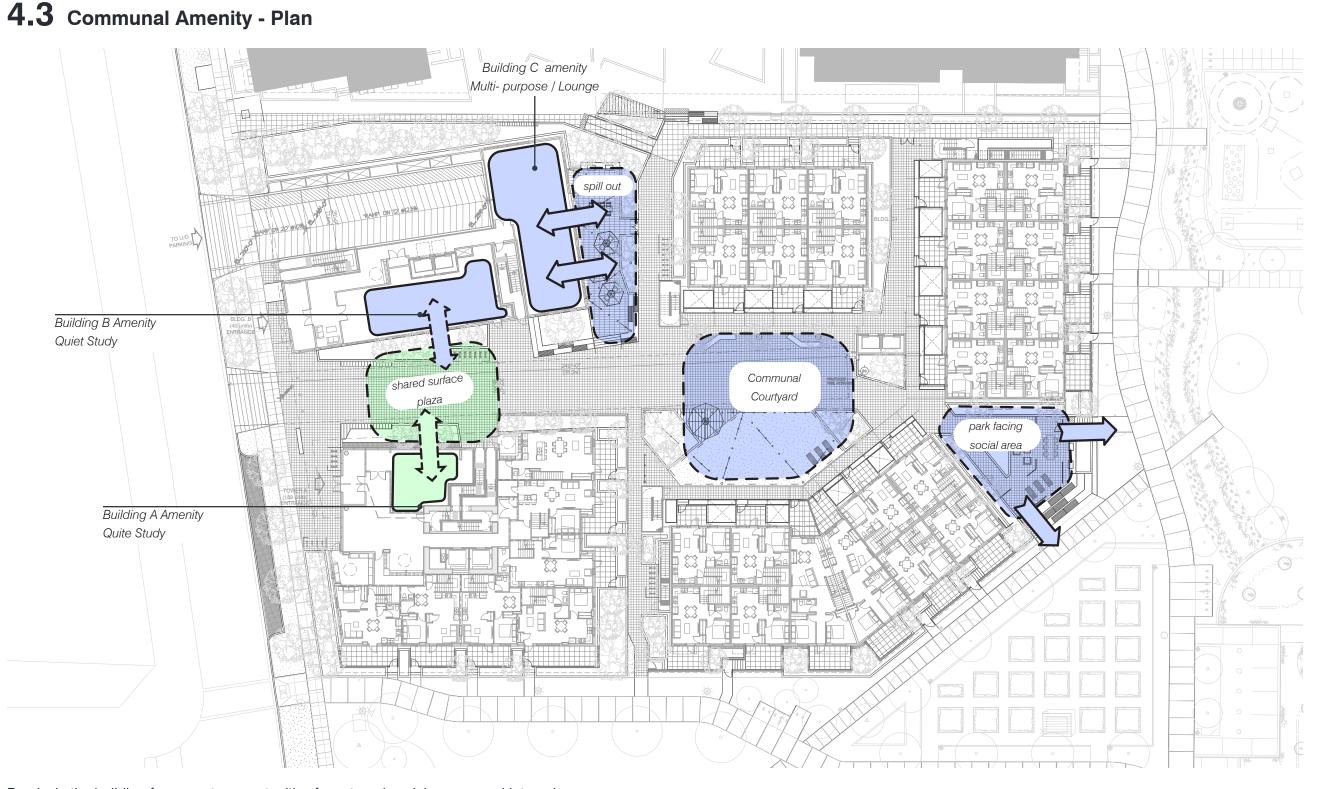
Building C apartments benefit from patios associated with the walkway access to create a sense of community and overlook. They are sized to be flexibly furnished with tables, chairs and planting. The walkway planters are localed on the communal walkway next to the lightwell so that they can be easily maintained. The 2 foot depth of these planters allows for a variety of plants which will further animate the courtyard.

SECTION IV DESIGN RATIONALE

DP



UBC - BCR Lot 7



Breaks in the building form create opportunities for external social spaces and internal amenity spill out. At the centre of this is the communal courtyard. A space animated by adjacent patios, walkways above and residents moving through the development.

SECTION IV DESIGN RATIONALE

DP

UBC - BCR Lot 7

4.4 Communal Amenity - Sketch views





Park facing Social area



Communal Courtyard



Shared surface Plaza adjacent to Building A and B amenity areas

SECTION IV DESIGN RATIONALE

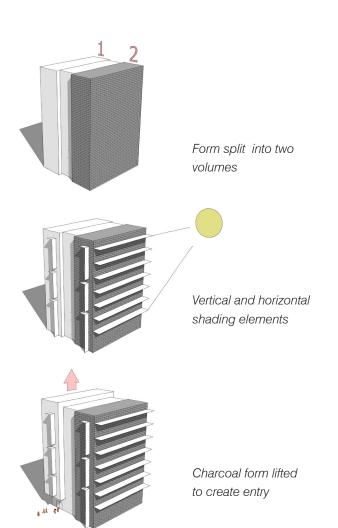
DP

2024-06-05

UBC - BCR Lot 7

4.5 Building A - Market Rental Tower

The tower form is split into two volumes to emphasize the verticality of a relatively squat tower form. The silver form consists of window wall with metal spandrel panels and the charcoal form is clad in brick. The glass break between the two forms extends down into the entrance lobby and amenity space. There are also vertical sun shading fins in response to the solar gains from the East and West. The south façade, has 5' deep projected balconies and connecting a 2' deep concrete strip, which serves as a horizontal sun shade. All balcony guards throughout the project are metal pickets and bird friendly.





SECTION IV DESIGN RATIONALE

DP

Building A - Wesbrook Village







BCR 7



2 Window Mullion colour: green



5 Aluminium Spandrel Panel and / or Window Mullion colour: silver

4 Glass Spandrel Panel colour: black



6 Glass Spandrel Panel colour: light grey



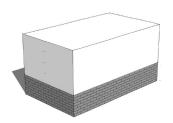
7 Wood Effect Metal Soffits : Autumn

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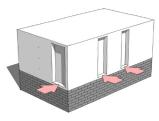
UBC - BCR Lot 7

4.6 Building B - Faculty and Staff Low-rise Apartment

Building B's architectural expression is characterized by inset balconies which are further articulated by green metal zinc effect accent panels and a base of dark brick. Another key feature of Building B is the Faculty & Staff indoor amenity located on the ground floor expressed by an over height level 1 and large expanses of glazing.



Over height level 1 expressed in brick



Zinc volume characterized by inset balconies



Common window and panel pattern with Building C

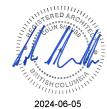


SECTION IV DESIGN RATIONALE

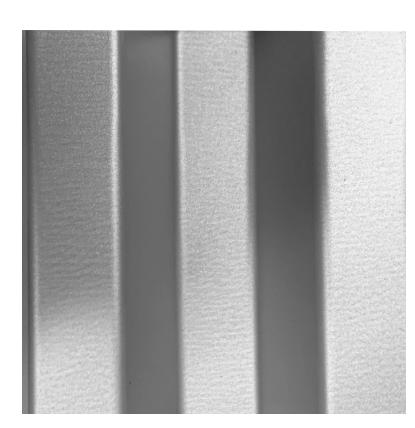
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BCR 7

Building B - Wesbrook Village



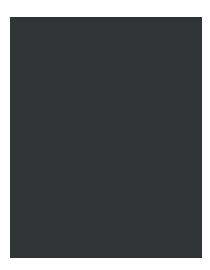








2 Face Brick colour: ironspot



Window Mullion colour: black



5 Wood Effect Metal Soffits : Autumn



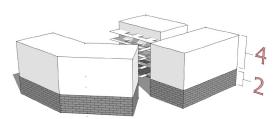
4 Metal Panel colour: charcoal



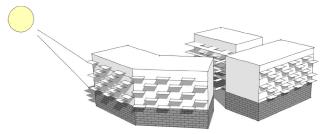
6 Metal Panel and Handrail colour: green

4.7 Building C - Faculty and Staff walk-way access with dual aspect apartments above town-homes

Building C builds on the social aspects of the internal courtyard by moving the circulation to the exterior and connecting it to residents' private patios. All the units are designed such that the living areas are facing the exterior walkway to promote socialization and resident connection. The exterior walkway is painted steel with metal wood effect soffit panels. Metal planters are incorporated throughout to bring in natural elements and to soften the pallet. Similar to Building B, the main cladding materials are zinc effect metal with charcoal accent panels over 2-stories of dark brick.



2 Storey townhomes with dual aspect apartments above



Horizontal walkway and balcony expression provides solar shading



UBC - BCR Lot 7



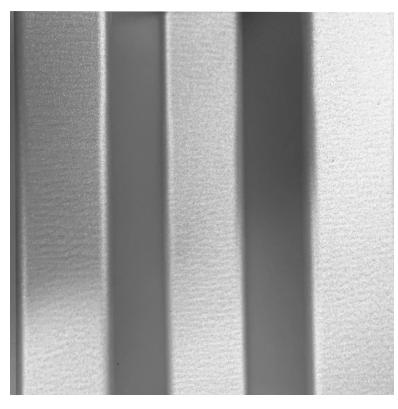


BCR 7

Building C - Wesbrook Village





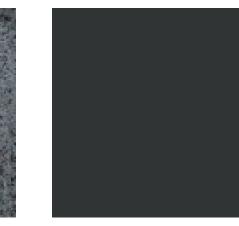








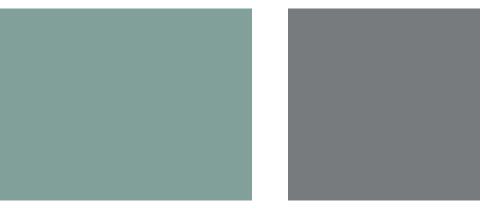
3 Brick colour: ironspot



Window Mullion colour: black



4 Metal Panel and Handrail colour: green



7 Metal Panel colour: gray



5 Architectural concrete finish with clear sealer Elevator



8 Wood Effect Metal Soffits : Autumn

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UBC - BCR Lot 7

4.8 CPTED Strategies

- 1. Territoriality: A series of boundary markers are implemented along the site edges, including landscape walls, hedges and fences to help define territory. As well, many of the outdoor private spaces are designed for active use and will be maintained at a high level.
- 2. Defensible Space: Established territory is seen at the private terraces fronting the adjacent park spaces East and West as well as inside the interior courtyard.
- 3. Target Hardening: There are many instances where target hardening is in play, for instance, reinforced entry doors to parking storage, bike storage and private garages, inclusion of security systems.
- 4. Choice: Courtyard access and egress has multiple points of entry and choice to avoid dead end routes.
- 5. Lighting: Public and semi-public spaces will be lit.
- 6. Natural Surveillance: Buildings and patios have oversite into internal courtyard and perimeter walkways and site edges.
- 7. Site Lines: Meandering pathways will have site lines to entries, nodes and exit points within the landscape.



SECTION IV DESIGN RATIONALE

DP





5.1 View along Wesbrook Mall







5.4 Internal Courtyard







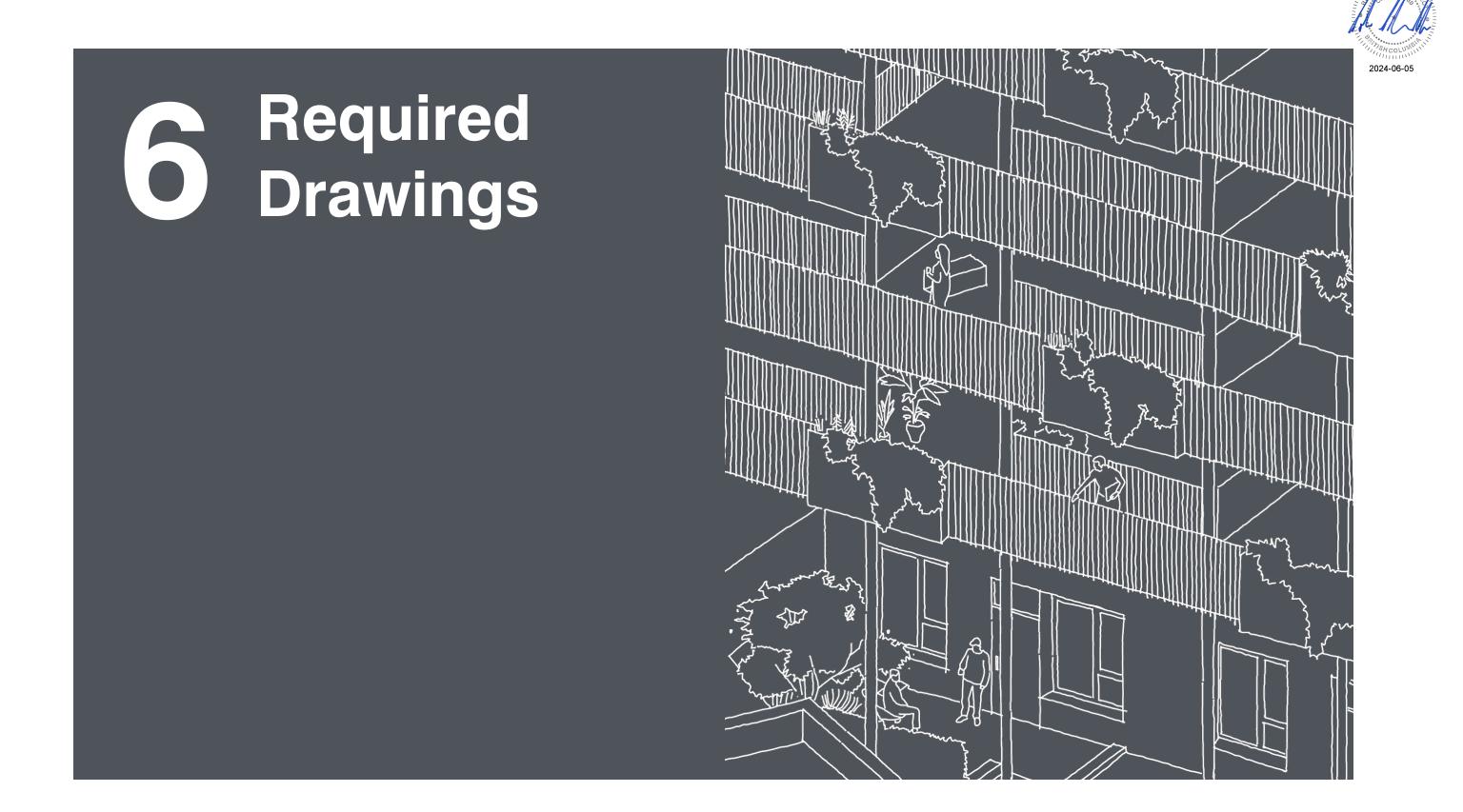




5.9 View from elevated Walkways



5.10 Internal Courtyard at night



	ALLO	WED	PROP	OSED	
SETBACKS	M	FT	М	FT	
FRONT YARD SETBACK	2.5	8.2	2.5	8.2	
SIDE YARD SETBACK	2.5	8.2	2.5	8.2	
REAR YARD SETBACK	2.5	8.2	2.5	8.2	
FSR	3.5	0	3.:	50	
BUILDING FSR AREA	21801.0 SQ.M.	234664.50 SQ.FT.	21773.7 SQ.M.	234369.9 SQ.FT.	
SITE COVERAGE	50%		50.0%	(33492.9 SF)	
		*AS PER UBC DEVELOR	PMENT HANDBOOK SC	BC ZONE	

BUILDING HEIGHT	ALLO	OWED	PROF	POSED
BUILDING A -TOWER	14 STOREYS		14 STOREYS (1MEZZANINE LVL)	
	43.0 M	141.1 FT	*44.50 M	*146.00 FT
BUILDING B - MID-RISE			6 ST0	OREYS
BUILDING C - MID-RISE			6 ST0	OREYS

* VARIANCE REQUEST Request height variance of 4'-11"(1.50m) due to the significant slope in the site from West to East

LEVEL	GROSS FLOOR AREA to external face (sq.ft)	BUILDING AREA to exterior face of stud wall (sq.ft)	EXCLUSION - AMENITY (sq.ft)	EXCLUSION - STORAGE (sq.ft)	EXCLUSION - MECH. / ELEC. (sq.ft)	F.S.I ARE (sq.f
Rooftop						
14	8477.7	8280.8		90	65.5	8125
13	8477.7	8280.8		90	65.5	8125
12	8477.7	8280.8		90	65.5	8125
11	8477.7	8280.8		90	65.5	8125
10	8477.7	8280.8		90	65.5	8125
9	8477.7	8280.8		90	65.5	8125
8	8477.7	8280.8		90	65.5	8125
7	8477.7	8280.8		90	65.5	8125
6	8477.7	8280.8		90	65.5	8125
5	8477.7	8280.8		90	65.5	8125
4	8477.7	8280.8		90	65.5	8125
3	8477.7	8280.8		90	65.5	8125
2	8477.7	8280.8		90	65.5	8125
MEZZ.	5333.5	5194.5		200	0.0	4994
1	7758.0	7616.6	774.9	80	65.5	6696

LEVEL	GFA	ВА	AMENITY	STORAGE	MECH./ELEC.	FSR AREA
Rooftop						0.0
6	7609.5	7406.0		104.0	18.0	7284.0
5	7609.5	7406.0		104.0	18.0	7284.0
4	7609.5	7406.0		104.0	18.0	7284.0
3	7609.5	7406.0		104.0	18.0	7284.0
2	7609.5	7406.0		104.0	18.0	7284.0
1	5105.2	4979.1	3155.0	0.0	18.0	1806.1
TOTAL	43,152.7	42,009.1	3,155.0	520.0	108.0	38,226.1

774.9

1,450.00

917.0

117,319.6

SUBTOTAL

120,461.5

123,301.6

TOTAL

LEVEL		GFA	ВА	AMENITY	STORAGE	MECH./ELEC.	FSR AREA
Rooftop							0.0
6		13898.7	13461.0		360.0	0.0	13101.0
5	•	13898.7	13461.0		360.0	0.0	13101.0
4		13898.7	13461.0		360.0	0.0	13101.0
3		13898.7	13461.0		360.0	0.0	13101.0
2		13898.7	13461.0		390.0	0.0	13071.0
1		14144.5	13461.0	0.0	0.0	0.0	13461.0

SUBTOTAL	234,481.7
FSR	3.50

SR AREA ALLOWED		234,664.5
	FSR AREA DIFFERENCE	-182.80 SQ.FT.

NIT SUMMARY	-BLDG A: TO	WER (MARKE	T RENTAL)			
LEVEL	STUDIO	1-BED	2-BED	3-BED	4-BED	TOTAL
Rooftop						
14	10	0	2	2	0	14
13	10	Ö	2	2	0	14
12	10	0	2	2	0	14
11	10	0	2	2	0	14
10	10	Ō	2	2 2	0	14
9	10	0	2	2	0	14
8	10	0	2	2	0	14
7	10	0	2	2	0	14
6	10	0	2	2	0	14
5	10	0	2	2	0	14
4	10	0	2	2	0	14
3	10	0	2	2	0	14
2	10	0	2	2	0	14
MEZZ.	0	0	0	0	0	0 7
1	0	0	0	4	3	7
TOTAL	130	0	26	30	3	189
ERCENTAGE	68.8%	0.0%	13.8%	15.9%	1.6%	

LEVEL	STUDIO	1-BED	1-BED+D	2-BED	3-BED	4-BED	TOTAL
Rooftop							
6	0	1	2	2	0	3	8
5	0	1	2	2	0	3	8
4	0	1	2	2	0	3	8
3	0	1	2	2	0	3	8
2	0	1	2	2	0	3	8
re	0	0	0	0	0	0	0
TOTAL	0	5	10	10	0	15	40
RCENTAGE	0.0%	5 12.5%	25.0%	25.0%	0.0%	37.5%	40

JNIT SUMMARY	- BLDG C: MI	D-RISE (FACU	LTY & STAFF)			
				,			
LEVEL				3-BED	3-BED+D	4B	TOTAL
Rooftop							
6				11	2	0	13
5				11	0	0	11
4				11	0	2	13
3				0	13	0	13
2				0	0	0	0
1				22	0	2	24
TOTAL	0	0	0	55	15	4	74
PERCENTAGE	0.0%	0.0%	0.0%	74.3%	20.3%	5.4%	

303

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DATE MAY 20, 2024



PARKING SUMMARY			
VEHICLE PARKING	ALLOWED/REQUEST	PROPOSED	
BLDG.A-MARKET RENTAL (TOWER)	123	137	0.65 space per principal dwelling unit
BLDG.B-FACULTY&STAFF RENTAL (MIDRISE)	26	36	0.65 space per principal dwelling unit
BLDG.C-FACULTY&STAFF RENTAL (MIDRISE)	49	67	0.65 space per principal dwelling unit
RESIDENT SUBTOTAL	198	240	
VISITOR STALLS	31	32	Min. of 0.1 spaces per principal dwelling unit
HANDICAP STLL (included in total	ıl) 4	4	
TOTAL PARKING SPACES	229	272	

HANDICAP STALLS (included in total)	35	35	
BLDG.A	19	19	
BLDG.B	4	4	Min. of 0.1 spaces per principal dwelling unit
BLDG.C	8	8	
VISITOR STALLS	4	4	
SMALL CAR STALLS (included in total)	57	24	Max. 25% of the required # of parking spaces
CAR WASH	2	2	For every 100 parking spaces

ELECTRIC CAR (included in total) Fully Equipped Level 2 Charging Station
Level 2 Energized Outlets

		STANDARD	SMALL CAR	H/C	SUBTOTAL	
P1	VISITOR	20	9	4	79	
	RESIDENTIAL	40	7	0		
	SUBTOTAL	60	16	4		
P2	VISITOR	0	0	0	168	
	RESIDENTIAL	129	8	31		
	SUBTOTAL	129	8	31		
P3	VISITOR	0	0	0	25	
	RESIDENTIAL	25	0	0	25	
	SUBTOTAL	25	0	0		
SUBTOTAL					272	

BICYCLE PARKING SUMMARY	REQUIRED	PROPOSED		
			* As per REAP 3.3	
RESIDENT STALLS - CLASS I			 An in building bicycle repair station; and 	
BLDG A-TOWER	359		 Provide Class 1 bicycle storage facilities at a rate of: 1.5 spaces per studio or one bedroom unit; 	
BLDG B-MID-RISE	93		2.5 spaces per 2 bedroom unit;	
BLDG C-MID-RISE	222		and 3 spaces per 3 or 4 bedroom units.	
			(Requirements include 10% oversize spaces, and one electrical outlet per two spaces); and	
SUBTOTAL	674	675		
VISITOR STALLS - CLASS II			* As per REAP 3.3	
BLDG A-TOWER	95		0.5 Class 2 bicycle storage spaces per dwelling unit; and	
BLDG B-MID-RISE	20		A 2 x 3 m concrete pad outside the building, close to the building entrance,	
BLDG C-MID-RISE	37		with a standard outlet or conduit for electrified bike share.	
SUBTOTAL	152	70		

STORAGE LOCKER SUMMARY	REQUIRED	PROPOSED	
			* As per UBC Properties Trust Market Development Design Guidelines Feb2020
BLDG A-TOWER	30		Ensure that a locker has been provided for every 3 Bed and 4 Bed units.
BLDG B-MID-RISE	15		Lockers to be 4'x6'x6' minimum
BLDG C-MID-RISE	74		
SUBTOTAL	119	140	





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U/G PARKING LEVEL P3 PLAN

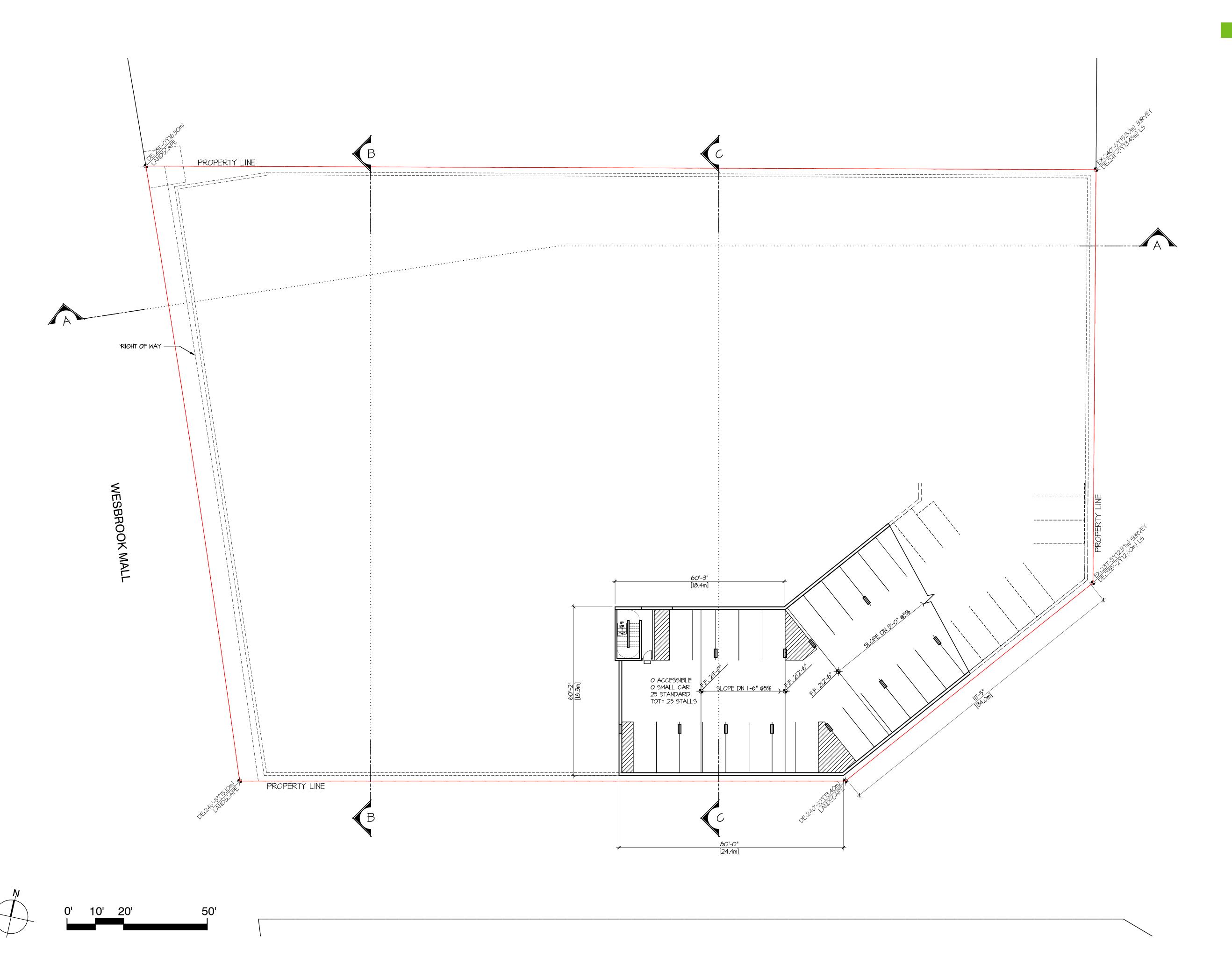
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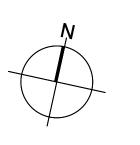
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U/G PARKING **LEVEL P2 PLAN**

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U/G PARKING **LEVEL P1 FLOOR PLAN**

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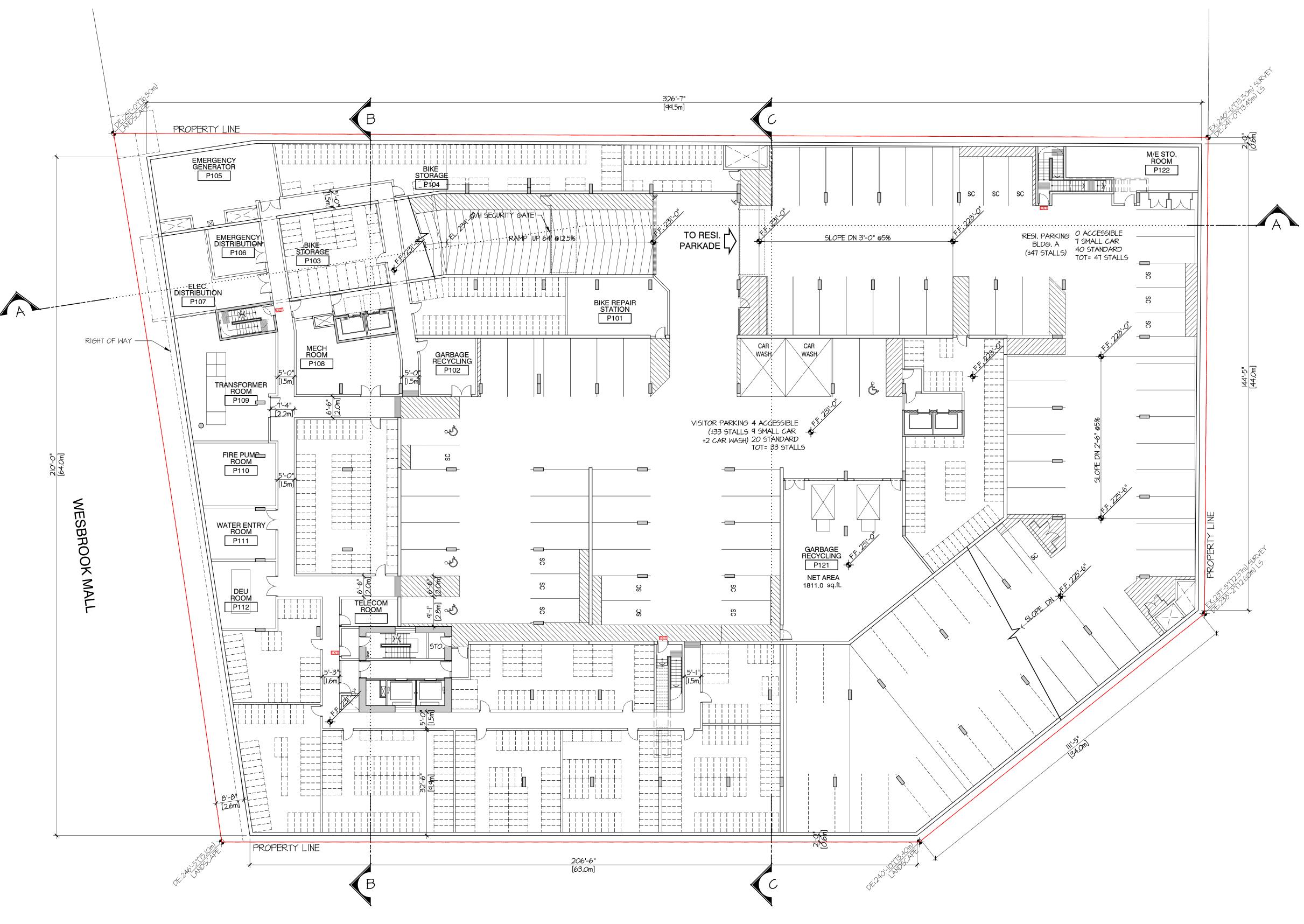
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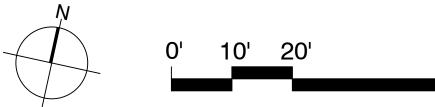
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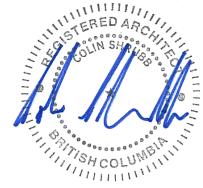


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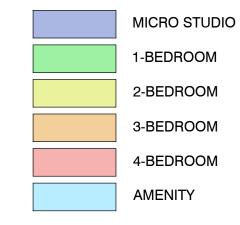
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LEGEND - UNIT TYPES



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SITE PLAN (LEVEL 01)

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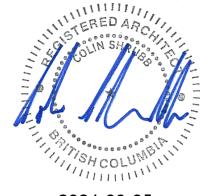
1/16" = 1'-0"

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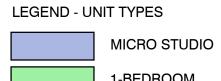
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1-BEDROOM 2-BEDROOM 3-BEDROOM

4-BEDROOM **AMENITY**

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SITE PLAN (LVL 2/MEZZANINE)

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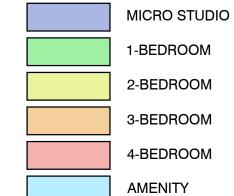
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LEGEND - UNIT TYPES



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SITE PLAN (LVL 3-6)

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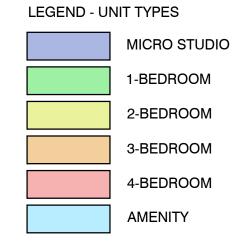


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SITE PLAN (LVL 7-14)

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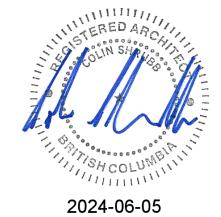
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ROOF PLAN

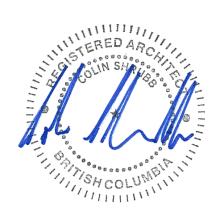
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WEST ELEVATION

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BUILDING ELEVATIONS

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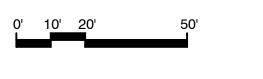
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DATE JUNE4, 2024





EAST ELEVATION





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3 SOUTH ELEVATION

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NORTH ELEVATION



LEVEL 06 LEVEL 06 LEVEL 05 LEVEL 04 LEVEL 05 LEVEL 03 LEVEL 02

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5 INTERNAL ELEVATION NORTH

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BUILDING ELEVATIONS

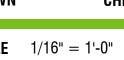
7 INTERNAL ELEVATION WEST

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LEVEL 14

LEVEL 13

LEVEL 12

LEVEL 10

LEVEL 09

LEVEL 08

LEVEL OT

LEVEL 06

LEVEL 05

LEVEL 04

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CLIENT

ROOF

LEVEL 06

LEVEL 05

LEVEL 04



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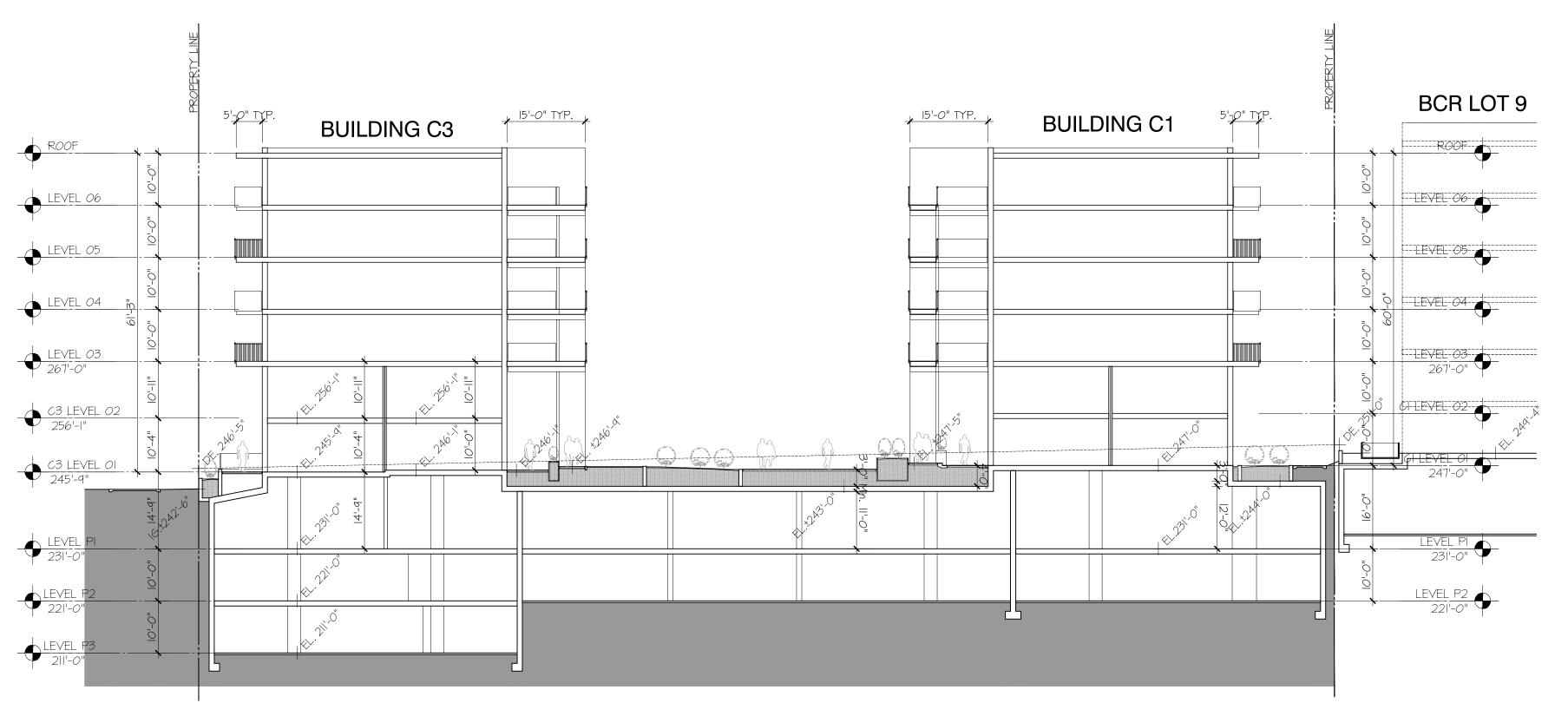
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BUILDING SECTION A

1/16"=1'-0"

BUILDING SECTION C

1/16"=1'-0"



14'-8"

BUILDING C1

RESI. UNITS

RESI. UNITS

RESI. UNITS

RESI. UNITS

RESI. UNITS

RESI. UNITS

15'-0" TYP.

BUILDING C2

DOD

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BUILDING SECTION A & C

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SCALE 1/16" = 1'-0"

DATE JUNE4, 2024

LEVEL 06

LEVEL 05

LEVEL 04

LEVEL 03

WESBROOK

MALL

BUILDING B

RESI. UNITS

RESI. UNITS

RESI. UNITS

RESI. UNITS

RESI. UNITS

AMENITY

± 38'-7" - 48'-11"

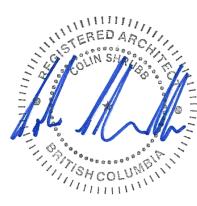
OUTDOOR

/ WALKWAY

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BUILDING SECTION B

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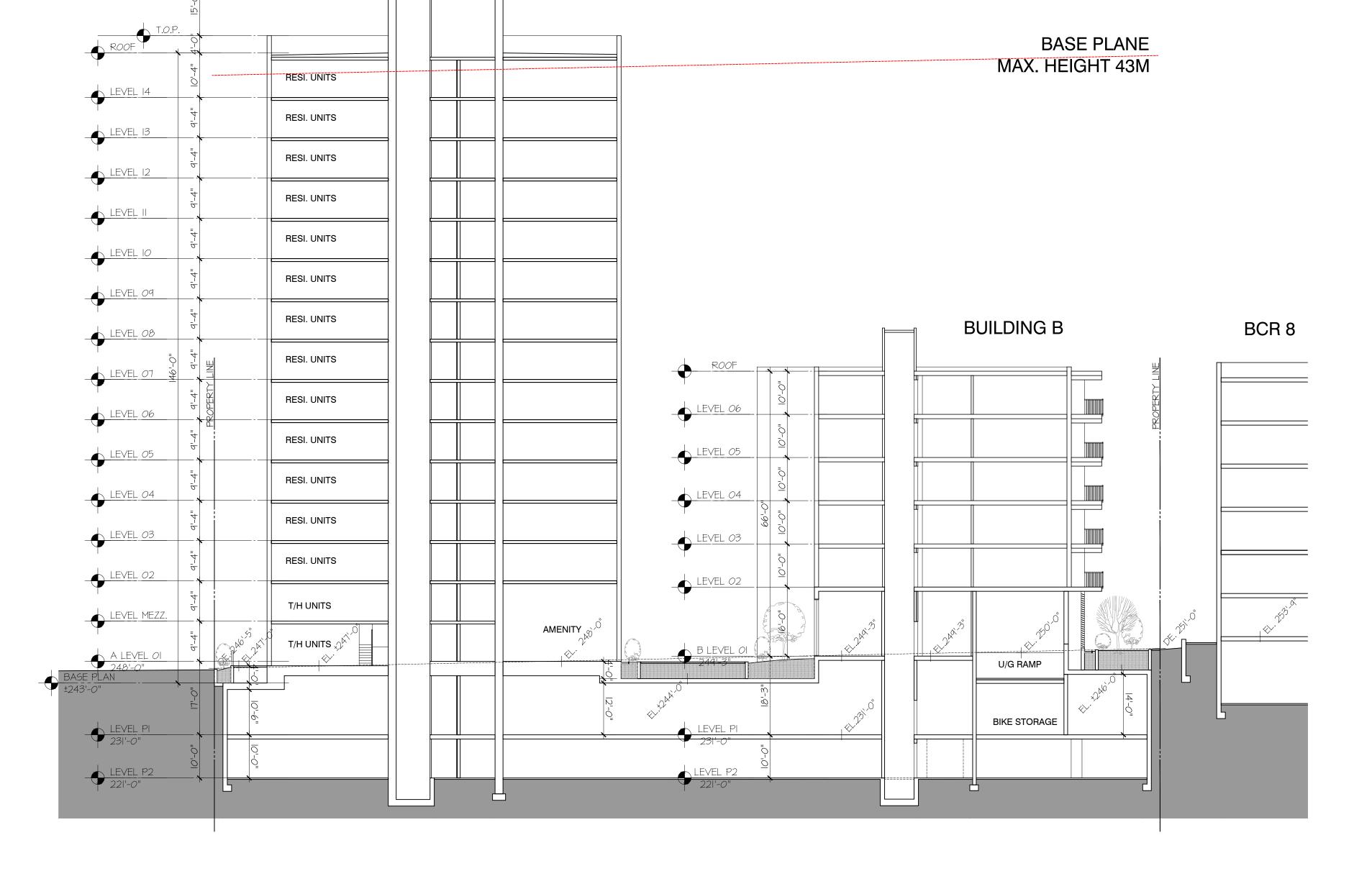
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BUILDING SECTION B

CHECKED





BUILDING A

