

1042/1044 RICHARDSON STREET

APPLICATION FOR REZONING & DEVELOPMENT PERMIT



Perspective view from Richardson Street



2 Site Context Plan
1 : 1000

Property Data

GENERAL PROPERTY INFORMATION	
PROJECT DESCRIPTION	NEW 6 STOREY INFILL RESIDENTIAL BUILDING
CIVIC ADDRESS	1042/1044 Richardson Street, Victoria BC
LEGAL DESCRIPTION	LOT 1663 VICTORIA CITY
PROPERTY IDENTIFICATION NUMBER (P.I.D.)	009-396-853
AUTHORITY HAVING JURISDICTION	CITY OF VICTORIA
APPLICABLE BUILDING CODE	BRITISH COLUMBIA BUILDING CODE, 2018 EDITION, INCLUDING ALL AMENDMENTS

Project Scope Summary

- 20-unit purpose built rental building with a mix of market rental units
- Retaining/replacing the 5 rental units of the existing buildings which are to be removed
- Diverse unit mix including:
 - 3 three-bedroom units
 - 15 one-bedroom units (three adaptable units, one ground level accesible unit)
 - 2 studio units
- Bicycle and mobility oriented design, situated on a dedicated All Ages and Abilities bicycle route, to encourage alternatives modes of transportation by providing:
 - level site access
 - more than required long-term bicycle parking spaces, provided on each floor in close proximity to unit entrances, and sized to accomodate several cargo bikes
 - charging outlets provided for electric bikes
 - bike maintenance station at ground level
- On-street electric MODO car-share is proposed, with memberships registered to each unit for the lifetime of the building

FLOOR AREA (ZONING)	
Level	Area
LEVEL 1	223 m²
LEVEL 2	238 m²
LEVEL 3	237 m²
LEVEL 4	237 m²
LEVEL 5	227 m²
ROOF	12 m²
	1174 m²

FSR CALCULATION
SITE AREA (SA) = 668 m²
FLOOR AREA (FA) = 1174m²
FSR = FA/SA = **1.76**

NOTE:
THESE AREAS ARE USED FOR ZONING PURPOSES ONLY & ARE MEASURED TO THE INSIDE FACE OF EXTERIOR WALLS.

Unit Area Schedule		
Occupancy	Name	Area
LEVEL 1		
1 Bedroom	UNIT 1	44 m²
1 Bedroom	UNIT 2	46 m²
1 Bedroom	UNIT 3	44 m²

LEVEL 2		
1 Bedroom	UNIT 4	46 m²
1 Bedroom	UNIT 5	44 m²
Studio	UNIT 6	25 m²
3 Bedroom	UNIT 7	88 m²

LEVEL 3		
1 Bedroom	UNIT 8	46 m²
1 Bedroom	UNIT 9	44 m²
Studio	UNIT 10	25 m²
3 Bedroom	UNIT 11	88 m²

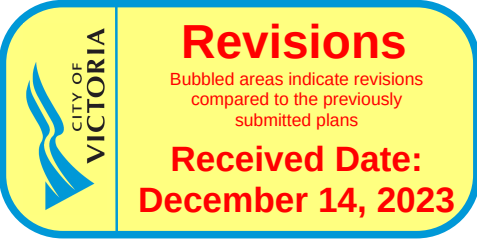
LEVEL 4		
1 Bedroom	UNIT 12	46 m²
1 Bedroom	UNIT 13	44 m²
1 Bedroom	UNIT 14	25 m²
3 Bedroom	UNIT 15	88 m²

LEVEL 5		
1 Bedroom	UNIT 16	46 m²
1 Bedroom	UNIT 17	44 m²
1 Bedroom	UNIT 18	26 m²
1 Bedroom	UNIT 19	36 m²
1 Bedroom	UNIT 20	39 m²
20		936 m²

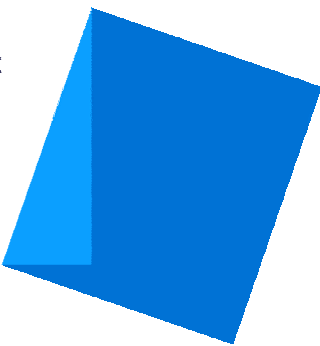
TOTAL UNIT COUNT: 20
2 STUDIO UNITS
15 ONE BEDROOM
- 3 ADAPTABLE
- 2 GROUND LEVEL
3 THREE BEDROOM

DRAWING LIST

Sheet Number	Sheet Name
A0.00	Cover Sheet
A0.01	Site Plan and Project Data
A0.02	Site Survey
A0.03	Code Analysis and Spatial Separation
A1.01	Solar Shadow Study
A1.02	Axo Shadow Study
A1.03	Context Renders
A2.00	Floor Plans
A2.01	Floor Plans
A3.00	Elevations
A3.01	Context Elevations
A3.02	Exterior Materials
A4.00	Building Sections
A.ID0.1	Exterior Lighting
A.ID0.2	Exterior Lighting
C01	Civil
L01	Landscape Concept Plan
L02	Landscape L6 Rooftop Concept Plan
L03	Landscape Tree Management Plan



Christine Lintott
Architects Inc.



Suite 1 - 864 Queens Avenue, Victoria, BC V8T 1M5
Telephone: 250.384.1969
www.lintottarchitect.ca

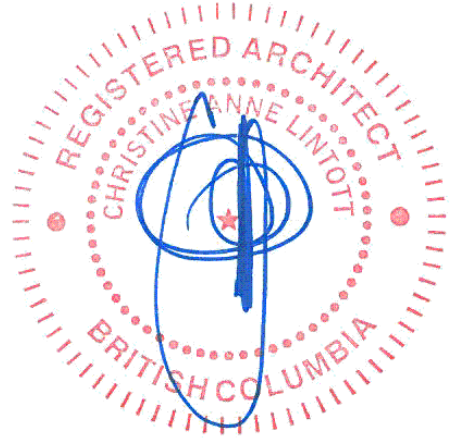
Issue

Issue	Date
Submission for Rezoning and Development Permit	2020-09-30
Re - Submission for Rezoning and Development Permit	2021-01-18
Re - Submission for Rezoning and Development Permit	2021-06-11
Re - Submission for Rezoning and Development Permit	2021-10-22
Re - Submission for Rezoning and Development Permit	2022-04-14
Re - Submission for Rezoning and Development Permit	2023-08-29
Re - Submission for Rezoning and Development Permit	2023-11-07

Revision

No.	Description	Date
1	Revision 2	2021-06-11
3	Zoning Comment #1	2022-04-19
10	Additional EV Parking	2023-08-29
11	Exterior Material	2023-08-29
20	Boulevard Revisions	2023-11-07

Consultant

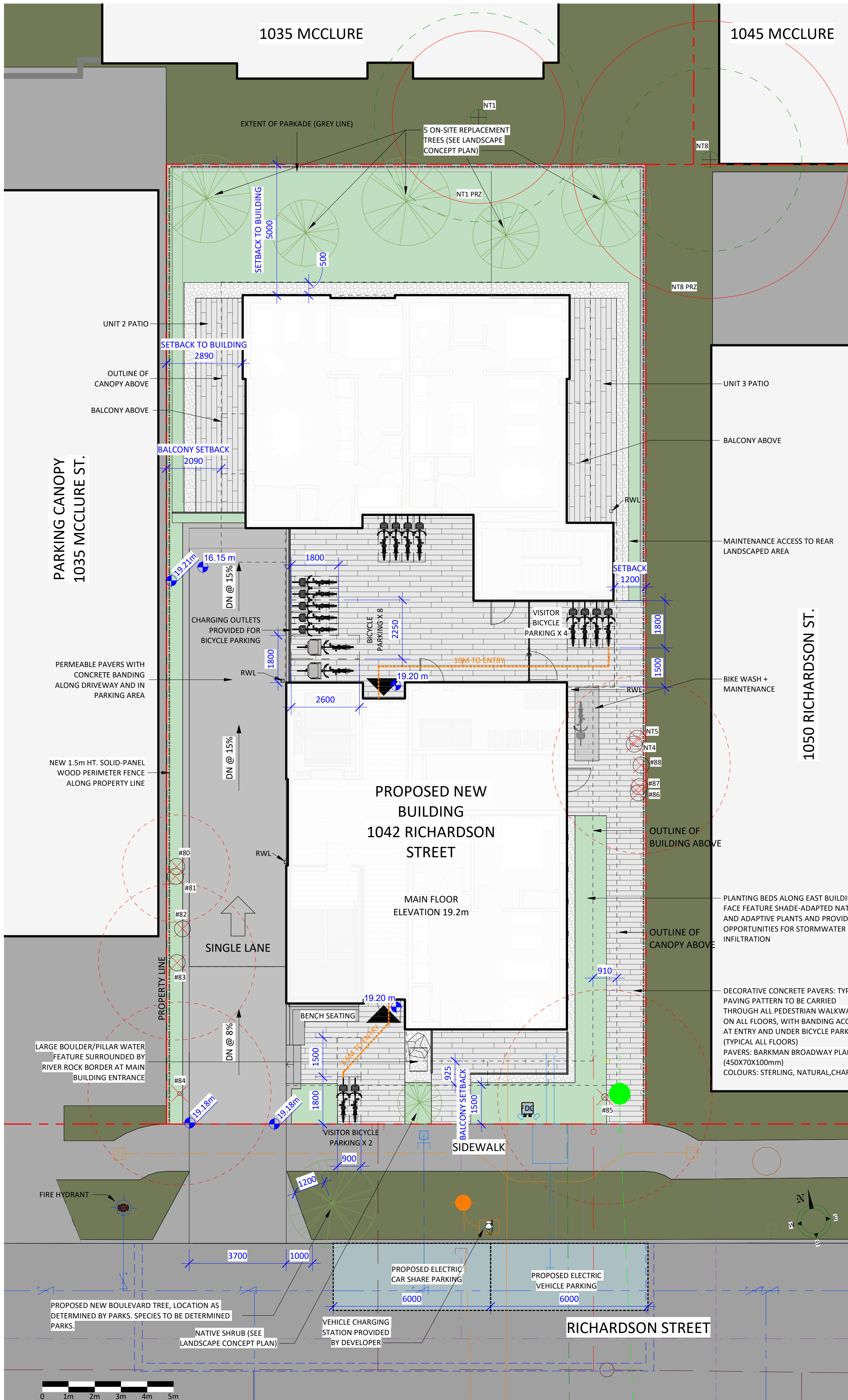


Ten42

1042 Richardson Street,
Victoria BC

Cover Sheet

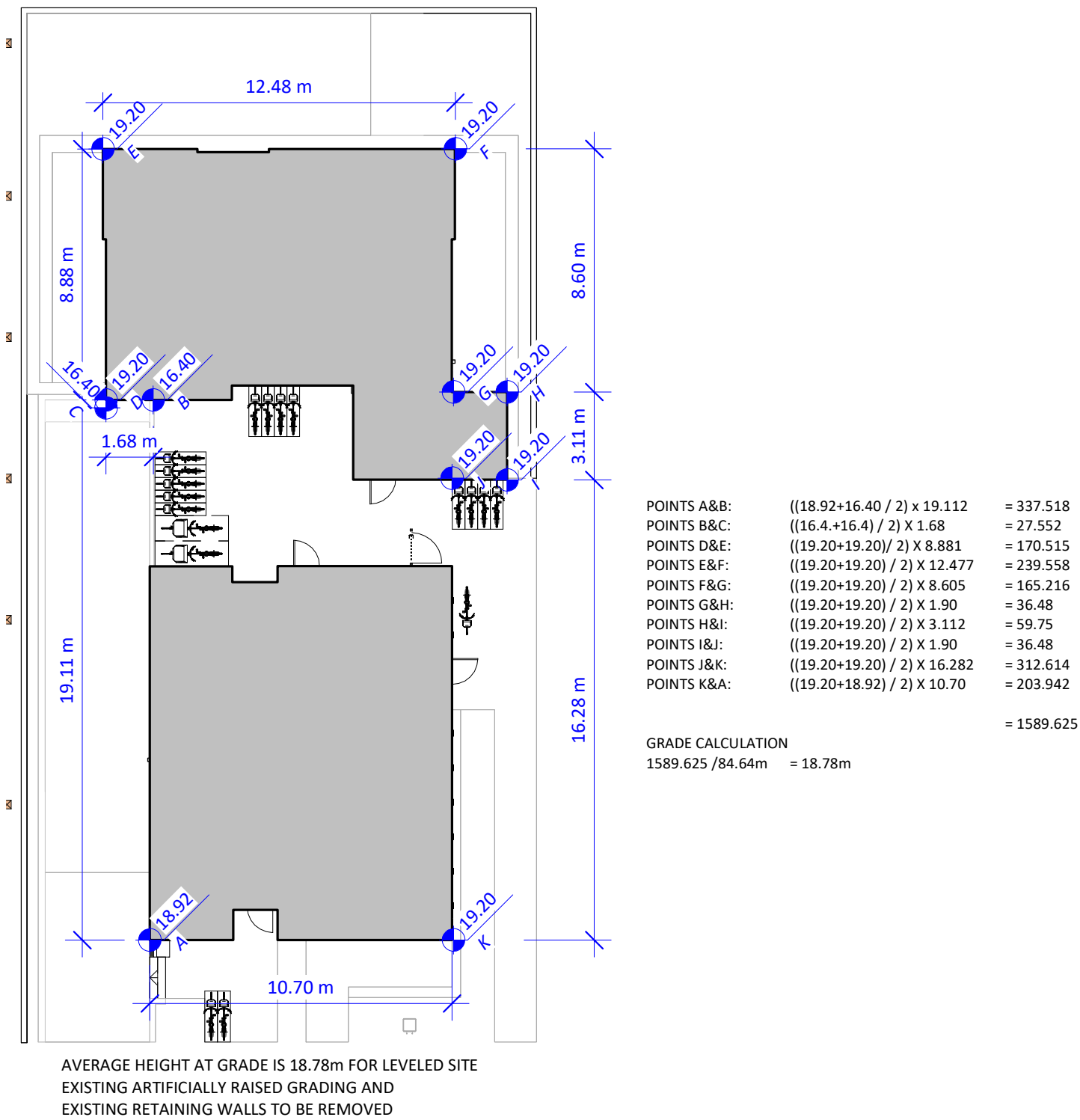
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Scale	As indicated



1 Site Plan
1 : 100

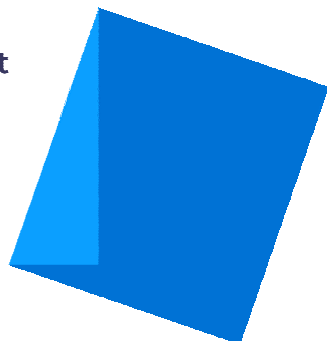
Project Information Table		
Zone (existing)	Zoning Min/Max	Proposed
Site Area	R-K	SITE SPECIFIC
Total Floor Area		668 m ²
		1174 m ²
Floor Space Ratio	N/A	1 : 1.76
Site Coverage %	N/A	52.7 %
Open Site Space - Lot %	N/A	39.8 %
Open Site Space - Front Yard %	N/A	7.8%
Height of Buildings	N/A	19.47m
Storeys #	N/A	6 storeys
Vehicle Parking #	0.2 /unit Affordable < 45m ² x 5 = 1 .75 /unit < 45m ² x 7 = 4.5 .9 /unit > 45m ² , < 70m ² x 5 = 5.25 1.3 /unit > 70m ² x 3 = 3.9 0.1/unit visitor x 20 = 2 Total = 16.75 (17)	6 resident (1 accessible) 2 visitor 1 on-street electric car-share 1 on-street electric vehicle parking
Bicycle Parking #	Long Term Per Schedule C 1/unit < 45m ² x 12 = 12 1.25/unit > 45m ² x 8 = 10 Total = 22 Oversized Electric Stalls Required = 10% (3 stalls) Electric Charging Stalls Required = 50% (11 stalls) Short Term Per Schedule C Total = 6 (MIN)	Long Term Per Schedule C P1 = 34 (8 are oversized) L1 = 11 (2 are oversized) Total = 45 (10 are oversized) Oversized Electric Stalls Provided = 45% (10 stalls) Electric Charging Stalls Provided = 73% (33 stalls) Lvl 2-4 Additional = 3 (3 oversized with charging) Note: These stalls do not conform to Schedule C Short Term Per Schedule C Total = 6
Mobility Scooter Parking	No Requirement	Provided = 4
Building Setbacks		
Front Yard (South)	N/A	1.50m
Rear Yard (North)	N/A	5.00m
Side Yard (West)	N/A	2.09m
Side Yard (East)	N/A	1.2m
Residential Use Details		
Total Number of Units		20
Unit Type Breakdown		2 Studio Units, 15 One Bedroom Units, 3 Three Bedroom Units
Ground Oriented Units		3
Minimum Unit Floor Area		25 m ²
Total Residential Floor Area		936 m ²

1. Areas shown in this table are for zoning purposes only & are measured to inside face of exterior walls.



2 AVG GRADE
1 : 200

Christine Lintott
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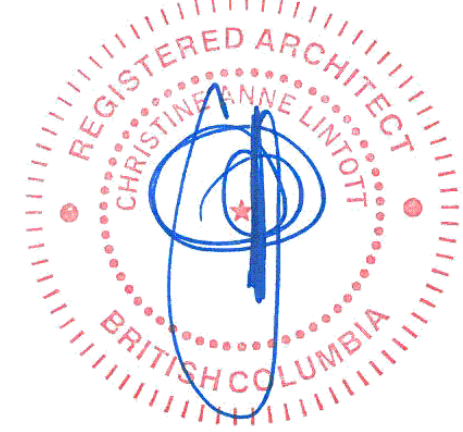


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Revision		
No.	Description	Date
1	Revision 2	2021-06-11
3	Zoning Comment #1	2022-04-19
5	Zoning Comment #3	2022-04-19
6	Zoning Comment #4	2022-04-19
9	Replacement Trees	2023-08-29
10	Additional EV Parking	2023-08-29
11	Exterior Material	2023-08-29
12	Long-term Bike Stalls	2023-08-29
13	Short-term Bike Stalls	2023-08-29
14	Increased East Setback	2023-08-29
15	Setback Correction	2023-11-07
16	Bike Layout Update	2023-11-07
17	Dimension to Entry	2023-11-07
20	Boulevard Revisions	2023-11-07
21	Bar Scale	2023-11-07
22	Parkade Outline	2023-11-07
23	TMP Update	2023-11-07
24	Updated Tree Layout	2023-11-07

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Ten42

1042 Richardson Street,
Victoria BC

Site Plan and Project Data

Date	2023-11-07 12:23:25 PM
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Scale	As indicated
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Re- Submission for Rezoning and Development Permit	2021-01-15
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Re- Submission for Rezoning and Development Permit	2021-10-20
Re- Submission for Rezoning and Development Permit	2022-04-15
Re- Submission for Rezoning and Development Permit	2023-08-20
Re- Submission for Rezoning and Development Permit	2023-11-05

No.	Description	Date
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Consultant

1042 Richardson Street,
Victoria BC

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scale

Parcel Identifier: 009-396-853 in the City of Victoria

Scale - 1 : 200 Distances are in metres.

The intended print size is 11" by 17".



Elevations are to geodetic datum.
 + - denotes - existing elevation
 Tree diameters are in centimetres.

Lot Area = 668 m²

May 7, 2020

File : 13.197 - 9

POWELL & ASSOCIATES
B C Land Surveyors
250-2950 Douglas Street
Victoria, BC V8T 4N4
phone (250) 382-8855

Setbacks are derived from field survey.

Parcel dimensions shown hereon are derived from Land Title Office records.

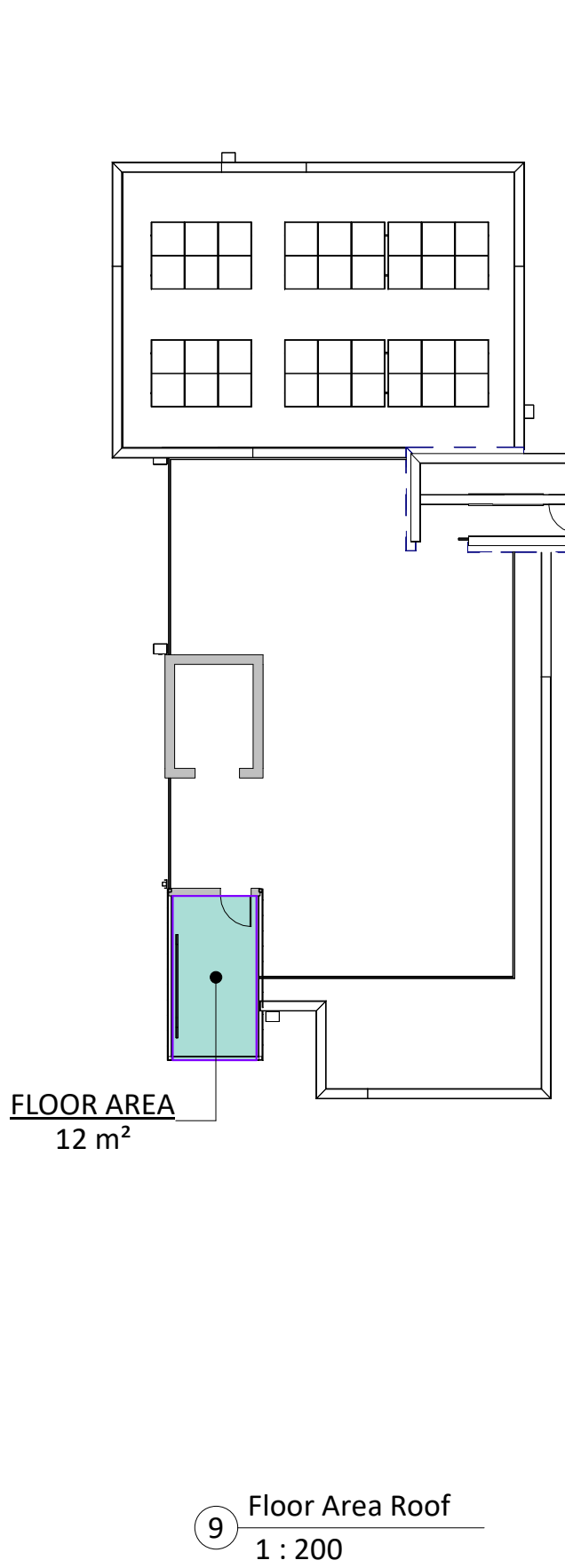
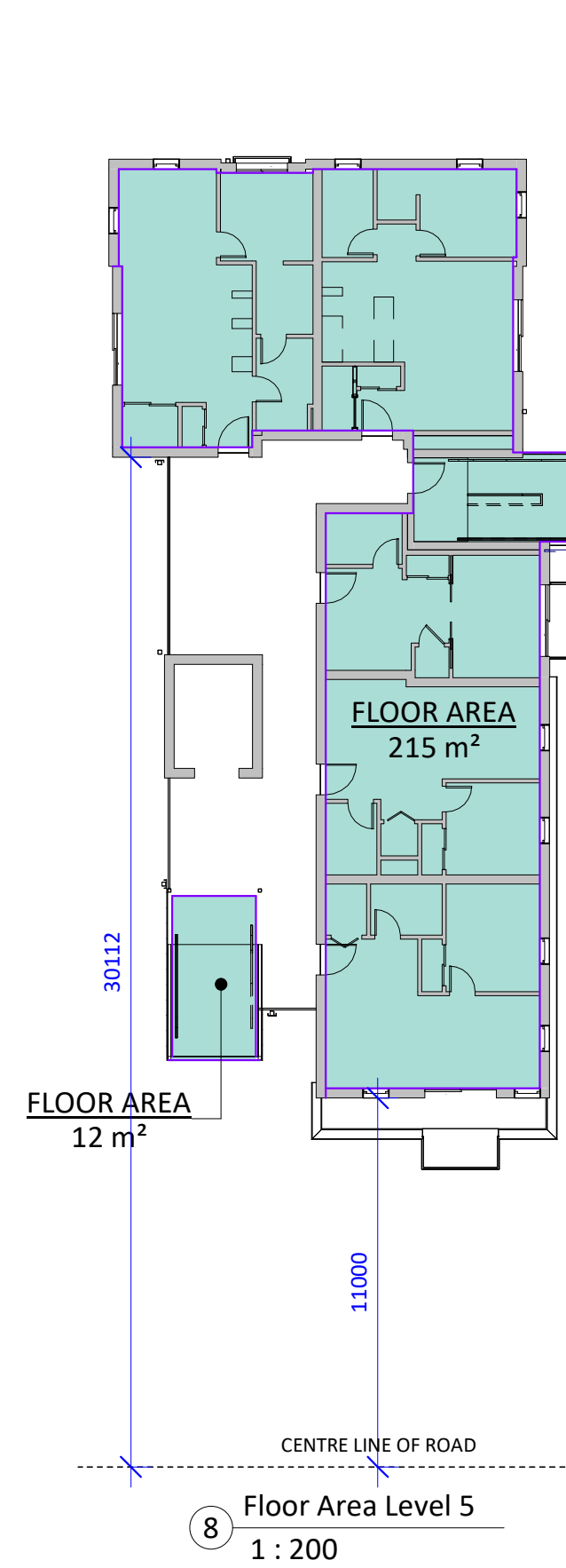
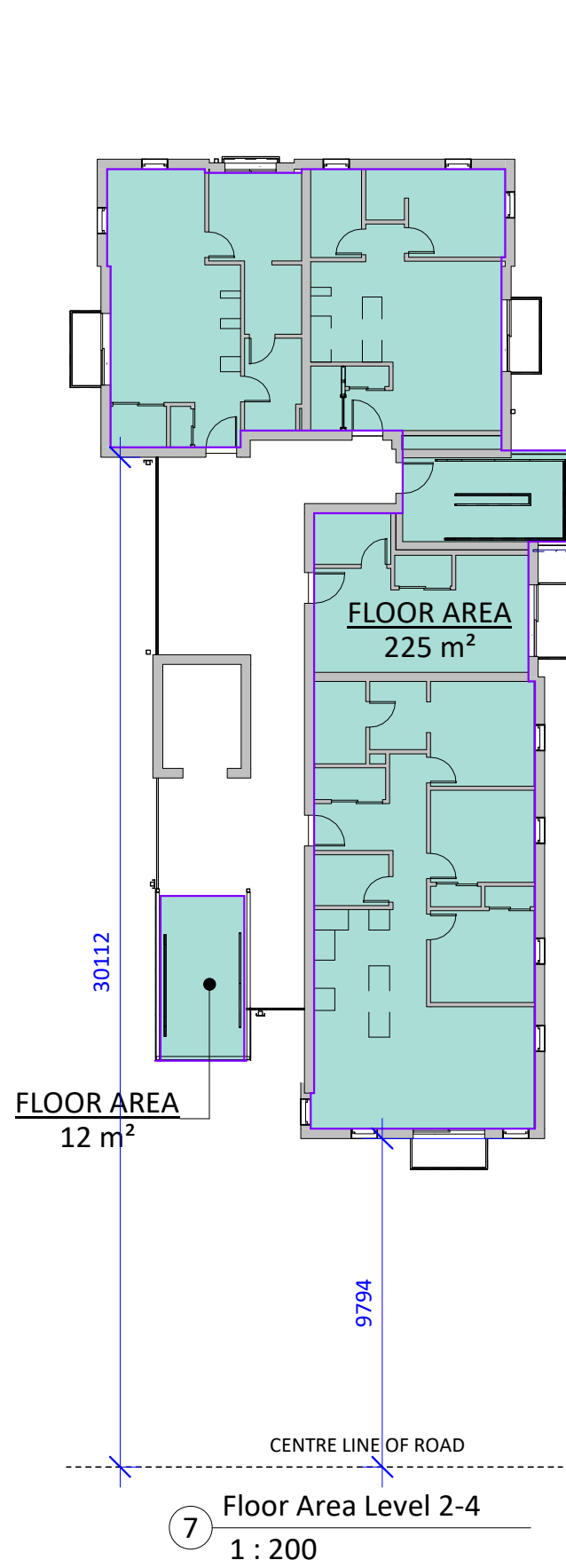
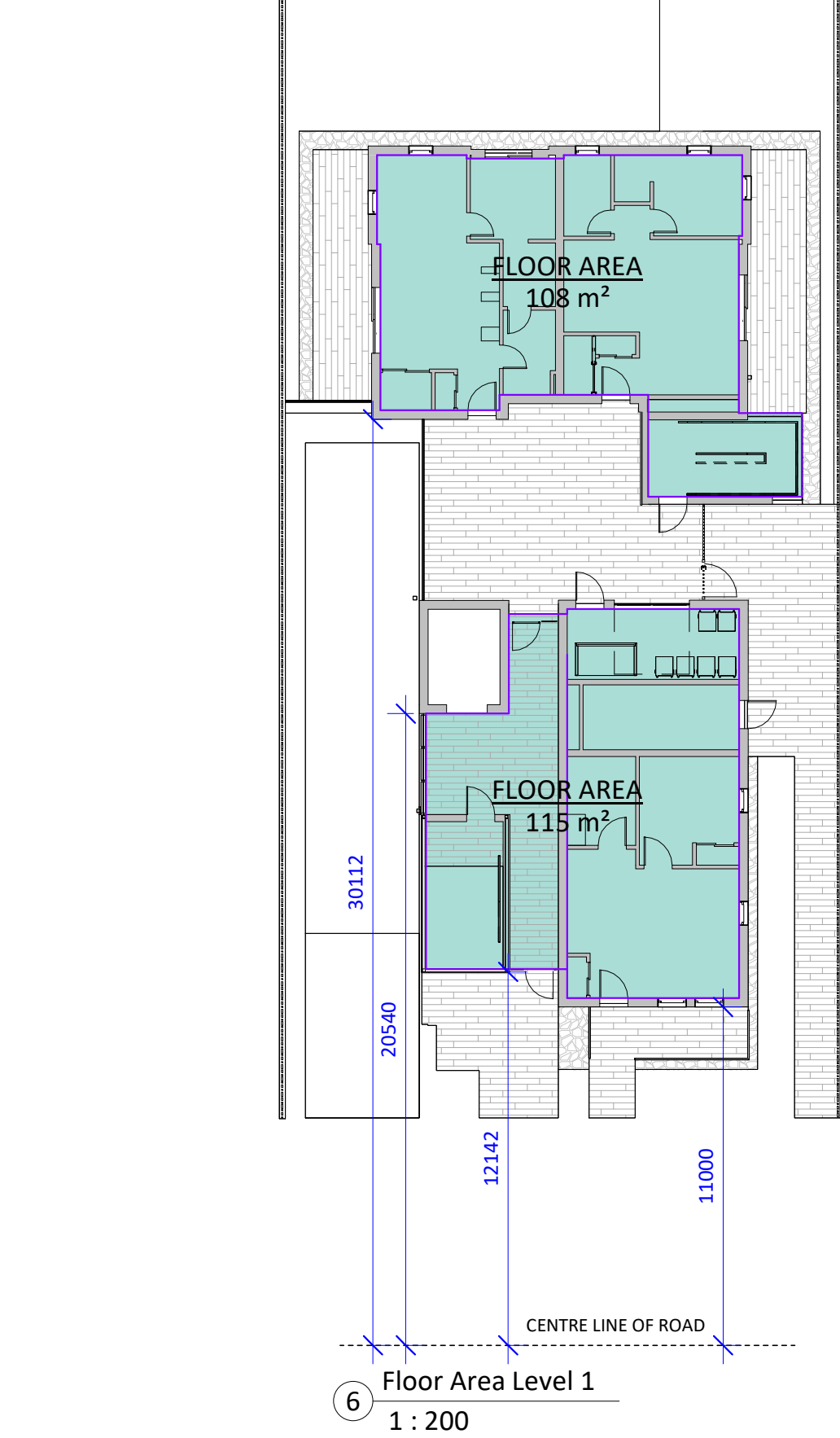
This document shows the relative location of the surveyed features and shall not be used to define property boundaries.

Building Code Analysis - Overview

0 - GENERAL INFORMATION															
NO.	ITEM	DESCRIPTION									REFERENCE(S)				
0-1	PROJECT TYPE	☒ NEW CONSTRUCTION ☐ RENO. ☐ ADDITION ☐ TENANT IMPROVEMENT									-				
0-2	GOVERNING BUILDING CODE	BRITISH COLUMBIA BUILDING CODE, 2018, INCLUDING ALL AMENDMENTS									-				
0-3	BUILDING CODE PARTS APPLICABLE	PART: 1 2 3 4 5 6 7 8 9 10 DIVISION: A ☒ B ☐ C ☐									DIV A - 1.1.2.				
0-4	MAJOR OCCUPANCY(IES)	A1	A2	A3	A4	B1	B2	C	D	E	F1	F2	F3	3.1.2.	
0-5	MULTIPLE MAJOR OCCUPANCIES	☐ YES		☒ NO										3.1.3.	
0-6	HEAVY TIMBER ALTERNATE	☐ PERMITTED		☐ PROPOSED		☒ N/A							3.1.4.6.		
0-7	FIREWALL(S)	☐ YES		☒ NO										3.1.10.	
0-8	OCCUPANT LOAD	52 TOTAL													3.1.17.
		ROOM		OCCUPANCY		COUNT		OCCUPANTS							
		STUDIO		2		2		4							
		1 BEDROOM		2		15		30							
		3 BEDROOM		6		3		18							
								TOTAL 52							
		ROOM		AREA [m ²]		m ² / PERSON		OCCUPANTS							
		ROOF LOUNGE		130		1.85		70							
0-9	BUILDING AREA (m ²)	340		BUILDING AREA									1.4.1.2.		
0-10	GRADE ELEVATION (m, GEODETIC)	+19.20		GRADE									1.4.1.2.		
0-11	BUILDING HEIGHT (STOREYS)	6	ABOVE GRADE		1	BELOW GRADE		6	TOTAL					3.2.1.1.	
0-12	FIRE ALARM & DETECTION SYSTEM	☒ REQUIRED		☒ PROVIDED		☐ N/A						3.2.4.1.			
0-13	AUTOMATIC SPRINKLER SYSTEM	☒ REQUIRED		☐ PROVIDED		☐ N/A						3.2.5.12.			
0-14	MEZZANINE(S)	☐ YES		☒ NO										3.2.8.	
0-15	INTERCONNECTED FLOOR SPACE	☐ YES		☒ NO										3.2.8.2.	
0-16	NUMBER OF STREETS FACING	1		STREET FACING									1.4.1.2.		
0-17	FIRE DEPARTMENT ACCESS ROUTES	☒ REQUIRED		☒ PROVIDED		☐ N/A						3.2.5.4.			
0-18	HIGH BUILDING	☐ YES		☒ NO										3.2.6.	
0-19	ROOF ACCESS	☐ REQUIRED		☒ PROVIDED		☐ N/A						3.2.5.3.			
0-20	STANDPIPE SYSTEM	☐ REQUIRED		☐ PROVIDED		☐ N/A						3.2.5.8.			
0-21	LIGHTING AND EMERGENCY POWER	☐ REQUIRED		☐ PROVIDED		☐ N/A						SEE ELEC. DRAWINGS	3.2.7.		
0-22	EMERGENCY GENERATOR	☐ YES		☒ NO										3.2.7.	
0-23	ACCESS FOR PERSONS W/ DISABILITIES	☒ REQUIRED		☐ PROVIDED		☐ N/A						3.8.2.			
0-24	ALTERNATE SOLUTIONS REQUIRED	☒ YES		☐ NO		SPRINKLER PROTECTION EXIT EGRESS PATH EXPOSED TO OPENINGS						DIV A - 1.2.1.1.(1)(B) & DIV C - 2.3.			
CONSTRUCTION CLASSIFICATION		GROUP C, UP TO 6 STOREYS, SPRINKLERED										3.2.2.50.			
0-25	CONSTRUCTION TYPE(S)	COMBUSTIBLE:		☒ PERMITTED		☒ PROPOSED		☐ N/A							
		NON-COMBUSTIBLE:		☒ PERMITTED		☐ PROPOSED		☐ N/A							
0-26	ASSEMBLY FIRE-RESISTANCE RATINGS	MIN. F.R.R. (HOURS): 1 FLOOR ¹ - MEZZANINE ¹ 1 ROOF ¹ ¹ LOADBEARING ELEMENTS TO HAVE SAME F.R.R. AS SUPPORTED ASSEMBLY													
0-27	BUILDING HEIGHT (STOREYS)	6		MAXIMUM		6		PROPOSED							
0-28	BUILDING AREA (m ²)	1,500		MAXIMUM		340		PROPOSED							

Building Code Analysis - Spatial Separations

6 - SPATIAL SEPARATIONS										
NO.	DESCRIPTION	REFERENCE								
6-1	AT EAST, EXTERIOR EXIT PATH FROM STAIR TO STREET EXPOSED TO OPENINGS WITHIN 3m HORIZONTALLY AND 5m VERTICALLY. IN LIEU OF CLOSURES (SHUTTERS) OR WIRED GLASS, ALTERNATE SOLUTION SHALL CONSIST OF A SPRINKLER HEAD AT INTERIOR SIDE OF EACH OPENING, COMPLETE WITH BAFFLES ETC WHERE REQUIRED BY NFPA-13, FOR EQUIVALENT PROTECTION BY WATER CURTAIN.	3.2.3.13.								
6-2	SUITE:	WALL AREA (m²)	LIMITING DISTANCE (m)	MAXIMUM OPENINGS (%)	PROPOSED OPENINGS (%)	F.R.R. (HR.)	N/C WALL	N/C CLADDING	3.2.3.1 - D	
EAST	UNIT 1 (E):	20.7	3.0	52.0	11.5	3/4	-	(3.2.2.50.)		
	SERVICE (E):	5.6	3.0	100	34.8	-	-	(3.2.2.50.)		
	GARBAGE (E):	6.0	3.0	100	0	-	-	(3.2.2.50.)		
	UNIT 3 (E):	20.5	2.9	49.2	27.8	3/4	-	REQUIRED		
	UNIT 7 (E):	35.1	2.0	22.0	13.6	1	-	REQUIRED		
	UNIT 6 (E):	12.5	2.2	40.4	36.4	3/4	-	REQUIRED		
	UNIT 5 (E):	20.5	2.9	49.2	27.8	3/4	-	REQUIRED		
	UNIT 11 (E):	35.1	2.0	22.0	13.6	1	-	REQUIRED		
	UNIT 10 (E):	12.5	2.2	40.4	36.4	3/4	-	REQUIRED		
	UNIT 9 (E):	20.5	2.9	49.2	27.8	3/4	-	REQUIRED		
	UNIT 15 (E):	35.1	2.0	22.0	13.6	1	-	REQUIRED		
	UNIT 14 (E):	12.5	2.2	40.4	36.4	3/4	-	REQUIRED		
	UNIT 13 (E):	20.5	2.9	49.2	27.8	3/4	-	REQUIRED		
	UNIT 20 (E):	16.0	2.2	34.8	14.8	3/4	-	REQUIRED		
	UNIT 19 (E):	15.2	2.2	34.8	15.7	3/4	-	REQUIRED		
	UNIT 18 (E):	12.5	2.2	40.4	36.4	3/4	-	REQUIRED		
	UNIT 17 (E):	20.5	2.9	49.2	27.8	3/4	-	REQUIRED		
	NORTH	UNIT 3 (N):	15.3	5	100	15.6	-	-	(3.2.2.50.)	
		UNIT 2 (N):	15.3	5	100	29.0	-	-	(3.2.2.50.)	
		UNIT 5 (N):	15.3	5	100	15.6	-	-	(3.2.2.50.)	
UNIT 4 (N):		15.3	5	100	29.0	-	-	(3.2.2.50.)		
UNIT 9 (N):		15.3	5	100	15.6	-	-	(3.2.2.50.)		
UNIT 8 (N):		15.3	5	100	29.0	-	-	(3.2.2.50.)		
UNIT 13 (N):		15.3	5	100	15.6	-	-	(3.2.2.50.)		
UNIT 12 (N):		15.3	5	100	29.0	-	-	(3.2.2.50.)		
UNIT 17 (N):		15.3	5	100	15.6	-	-	(3.2.2.50.)		
UNIT 16 (N):		15.3	5	100	29.0	-	-	(3.2.2.50.)		
WEST		LOBBY (W):	23.7	4.6	96.0	40.0	3/4	-	(3.2.2.50.)	
		ELEV. (W):	62.1	4.6	51.6	0	3/4	-	(3.2.2.50.)	
		STAIR 2 (W):	23.3	11.8	100	34.3	-	-	(3.2.2.50.)	
		UNIT 2 (W):	21.9	2.9	49.2	26.0	3/4	-	REQUIRED	
		UNIT 7 (W):	30.0	9.0	100	10.7	-	-	(3.2.2.50.)	
		UNIT 6 (W):	12.6	9.0	100	15.9	-	-	(3.2.2.50.)	
	UNIT 4 (W):	21.9	2.9	49.2	26.0	3/4	-	REQUIRED		
	UNIT 11 (W):	30.0	9.0	100	10.7	-	-	(3.2.2.50.)		
	UNIT 10 (W):	12.6	9.0	100	15.9	-	-	(3.2.2.50.)		
	UNIT 8 (W):	21.9	2.9	49.2	26.0	3/4	-	REQUIRED		
	UNIT 15 (W):	30.0	9.0	100	10.7	-	-	(3.2.2.50.)		
	UNIT 14 (W):	12.6	9.0	100	15.9	-	-	(3.2.2.50.)		
UNIT 12 (W):	21.9	2.9	49.2	26.0	3/4	-	REQUIRED			
UNIT 20 (W):	17.5	9.0	100	11.4	-	-	(3.2.2.50.)			
UNIT 19 (W):	8.2	9.0	100	13.4	-	-	(3.2.2.50.)			
UNIT 18 (W):	12.6	9.0	100	15.9	-	-	(3.2.2.50.)			
UNIT 16 (W):	21.9	2.9	49.2	26.0	3/4	-	REQUIRED			



FLOOR AREA (ZONING)	
Level	Area
LEVEL 1	223 m²
LEVEL 2	238 m²
LEVEL 3	237 m²
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LEVEL 5	227 m²
ROOF	12 m²
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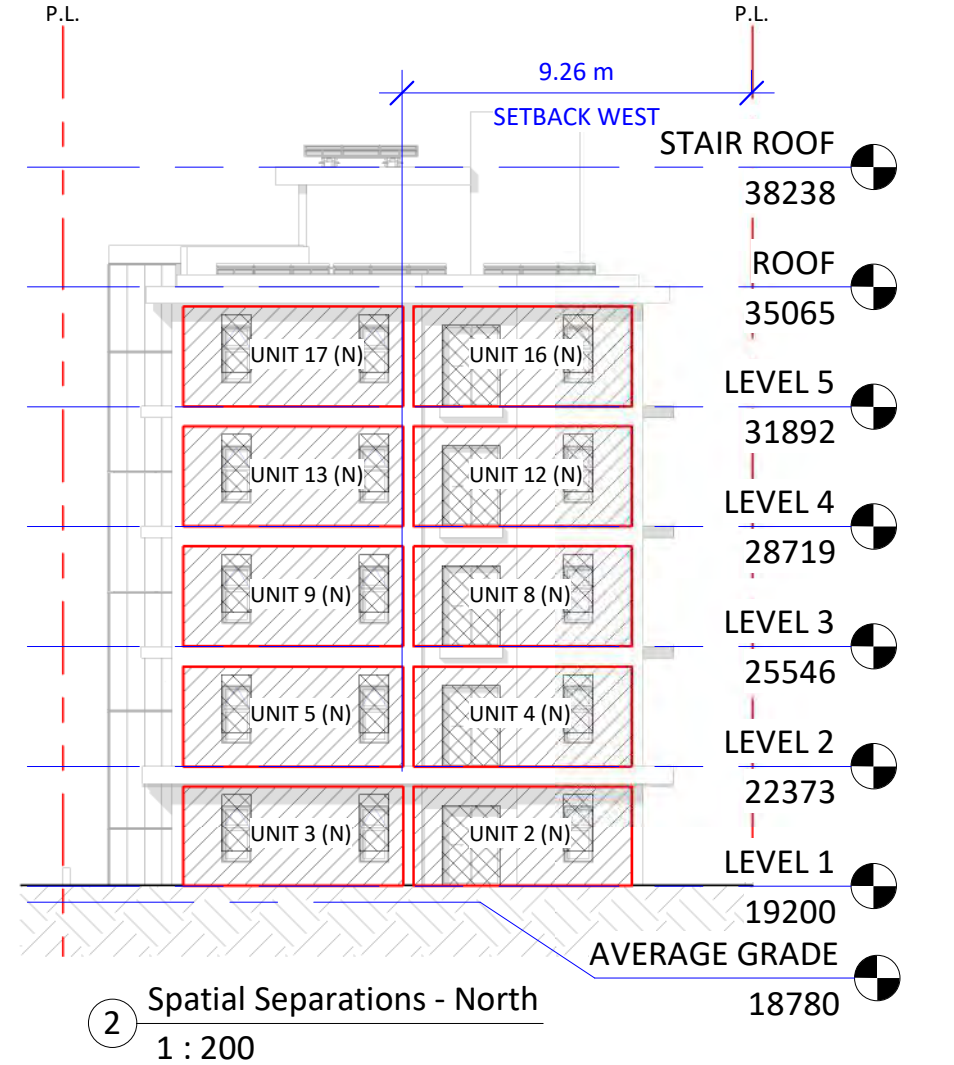
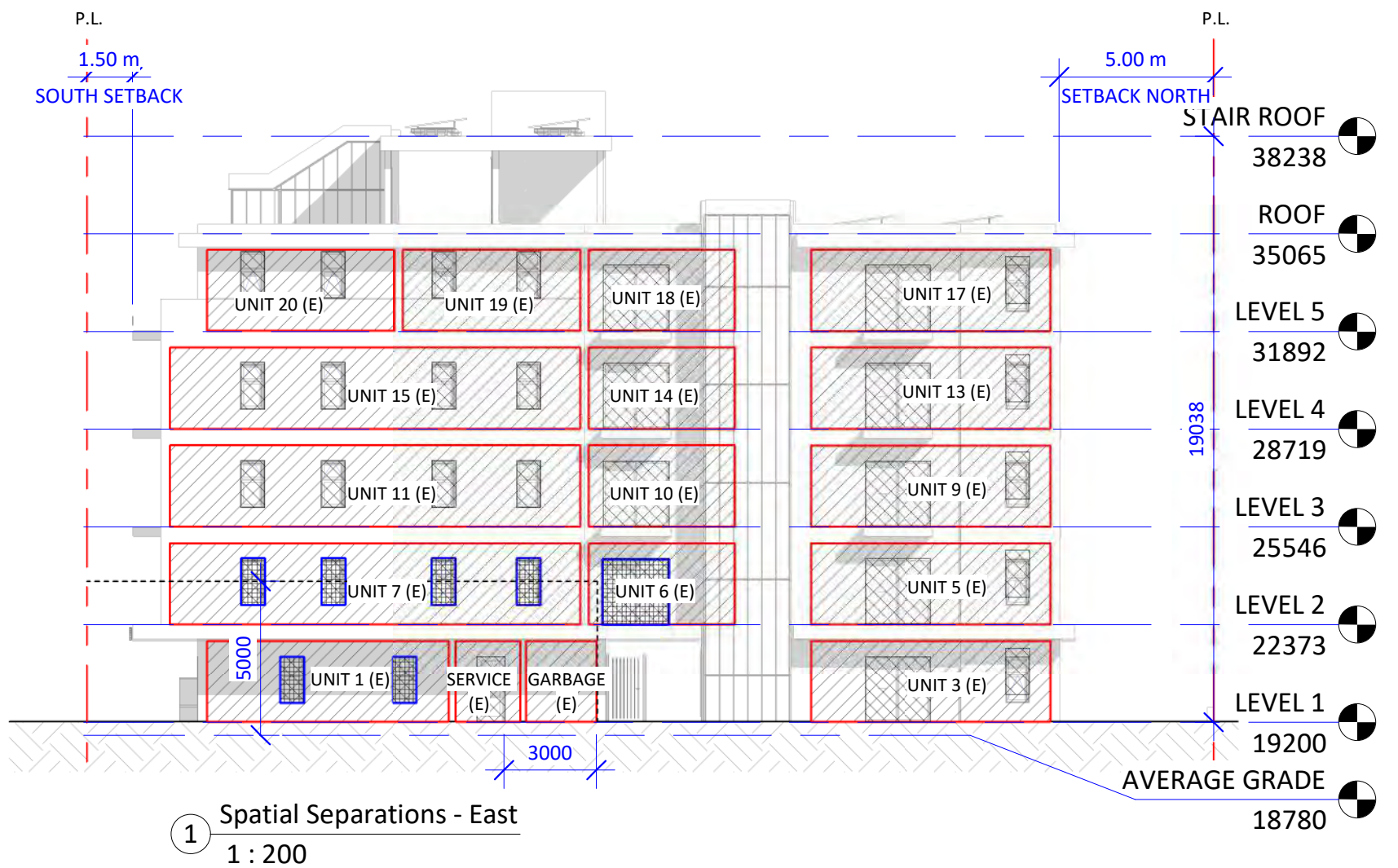
CoV Def: when used in reference to a floor of a storey of a building means the entire area which in plan is enclosed by the interior face of the exterior walls of the storey at floor level plus the area enclosed by any cantilevered element that is within that storey and that is above floor level, but does not include the following area:

- a) parking + bike parking
- b) areas of balconies, exposed decks, patios or roofs,
- c) the area of elevator shafts

6 - SPATIAL SEPARATIONS - CONTINUED									
NO.	DESCRIPTION	REFERENCE							
SUITE:	WALL AREA (m²)	LIMITING DISTANCE (m)	MAXIMUM OPENINGS (%)	PROPOSED OPENINGS (%)	F.R.R. (HR.)	N/C WALL	N/C CLADDING	3.2.3.1 - D	
SOUTH	UNIT 1 (S):	15.1	11.0	100	35.1	-	-	(3.2.2.50.)	
	LOBBY (S):	11.4	12.1	100	54.4	-	-	(3.2.2.50.)	
	UNIT 2 (S):	3.5	30.1	100	0	-	-	(3.2.2.50.)	
	UNIT 7 (S):	18.1	9.8	100	38.1	-	-	(3.2.2.50.)	
	UNIT 4 (S):	6.9	30.1	100	0	-	-	(3.2.2.50.)	
	ELEV. (S):	33.0	20.5	100	26.4	-	-	(3.2.2.50.)	
	UNIT 11 (S):	18.1	9.8	100	38.1	-	-	(3.2.2.50.)	
	UNIT 8 (S):	6.9	30.1	100	0	-	-	(3.2.2.50.)	
	UNIT 15 (S):	18.1	9.8	100	38.1	-	-	(3.2.2.50.)	
	UNIT 12 (S):	6.9	30.1	100	0	-	-	(3.2.2.50.)	
	UNIT 19 (S):	18.1	9.8	100	38.1	-	-	(3.2.2.50.)	
	UNIT 16 (S):	6.9	30.1	100	0	-	-	(3.2.2.50.)	
NON-COMBUSTIBLE CLADDING REQUIRED ON ALL BUILDING FACES BY CONSTRUCTION CLASSIFICATION ARTICLE 3.2.2.50.									

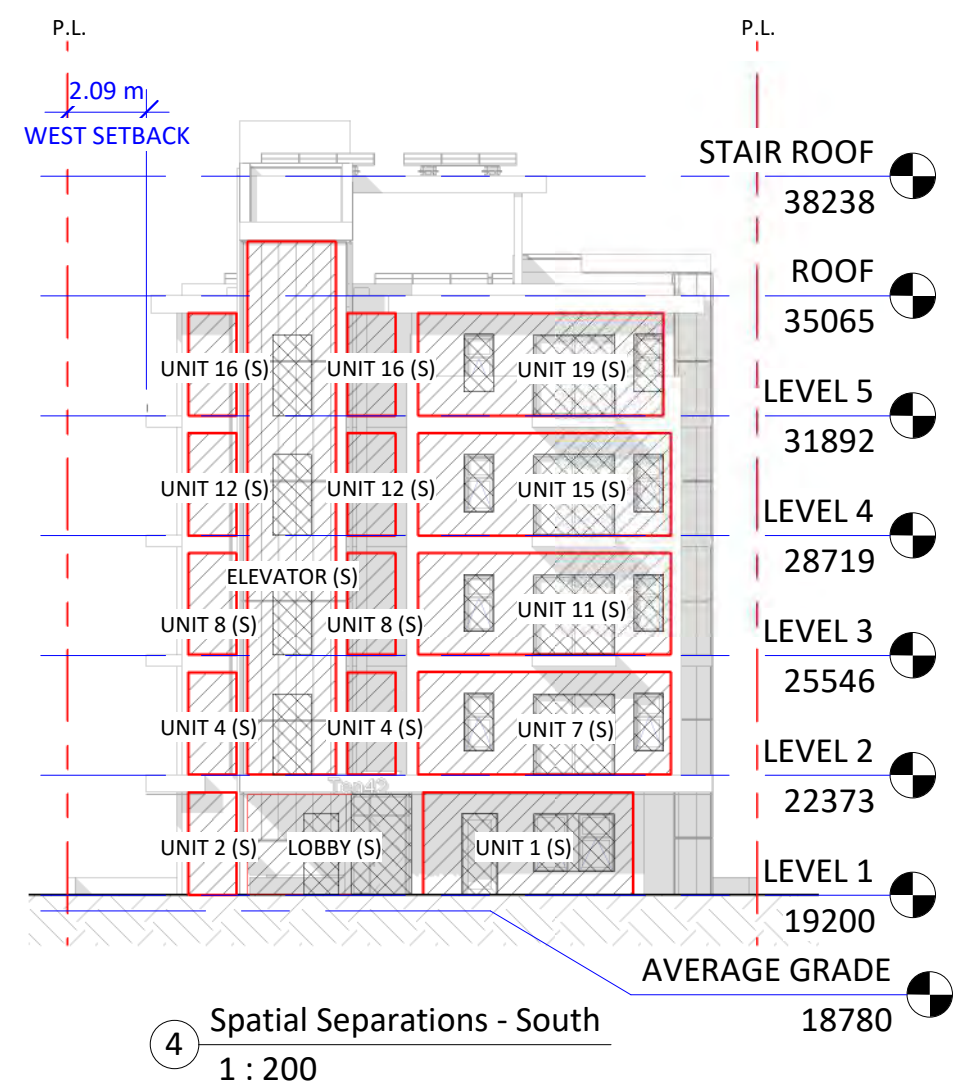
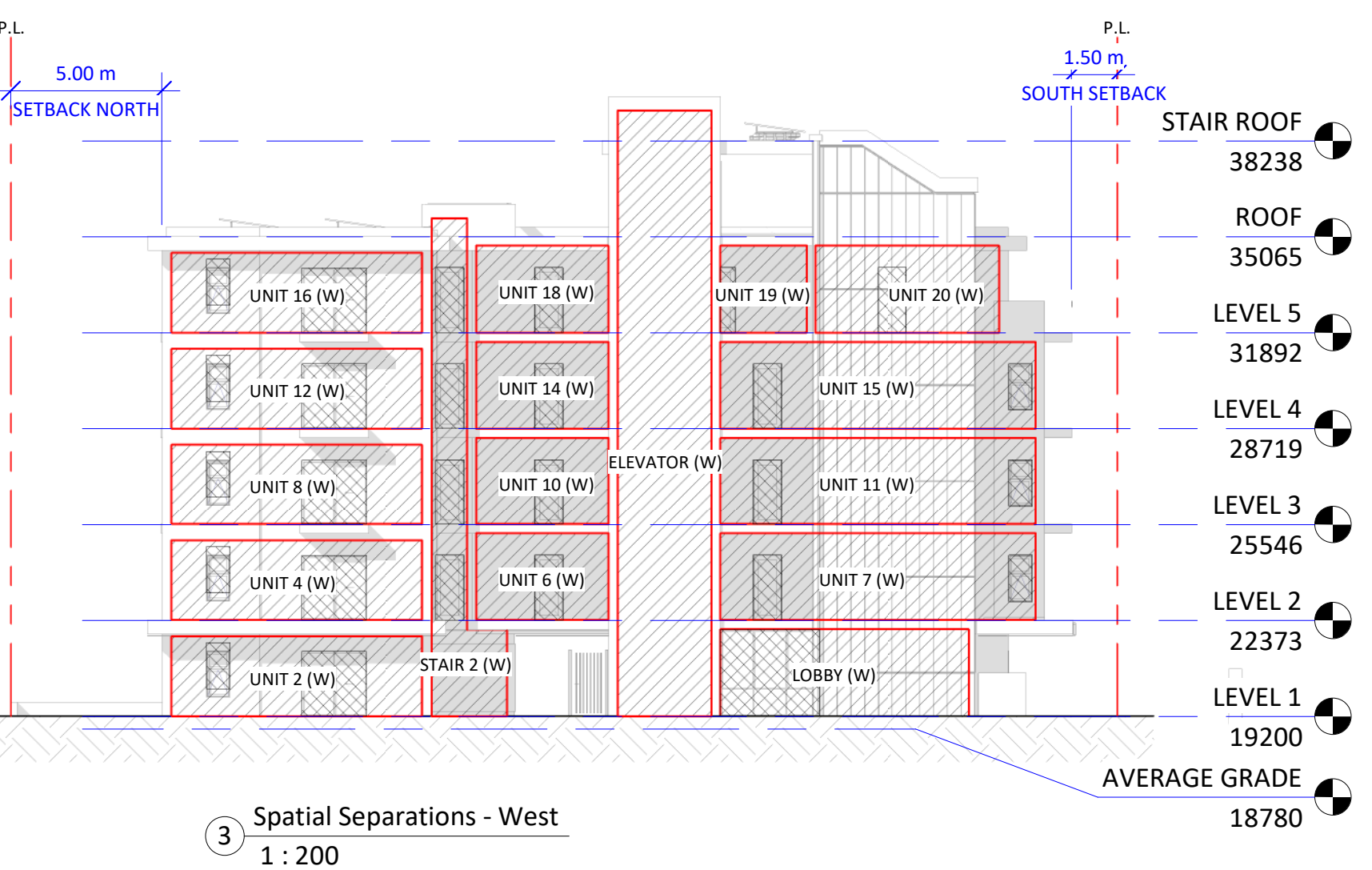
Building Code Analysis - Sentence 3.4.4.3.(1) Interpretation & Application

A - EXTERIOR PASSAGEWAY EXCEPTIONS				
NO.	ITEM	DESCRIPTION		REFERENCE(S)
A-1	EXTERIOR EXIT PASSAGEWAY	AT LEVELS 2 THROUGH 5, EGRESS IS PROVIDED BY MEANS OF AN EXTERIOR EXIT PASSAGEWAY WITH AN EXIT STAIR AT EITHER END. AS THE EXTERIOR PASSAGEWAYS FORM PART OF THE ACCESS TO EXIT, THEY CONSTITUTE EXTERIOR EXIT PASSAGEWAYS AND MUST COMPLY WITH THE REQUIREMENTS OF SUBSECTION 3.4. SENTENCE 3.4.4.1.(1) REQUIRES EXITS TO BE FIRE SEPARATED FROM THE REMAINDER OF THE FLOOR AREA AND SENTENCE 3.2.3.13.(1) REQUIRES EXTERIOR OPENINGS IN EXITS TO BE PROTECTED FROM EXTERIOR OPENINGS IN THE ADJACENT FLOOR AREA UNDER CERTAIN EXPOSURE CONDITIONS. THE REQUIREMENTS OF BOTH SENTENCES DO NOT APPLY WHERE THE EXTERIOR EXIT PASSAGEWAY IS AT LEAST 50% OPEN ALONG ITS EXTERIOR SIDE AND IS SERVED BY AN EXIT STAIR AT EACH END. WHEREAS THE NORTHERN EXIT "STAIR 2" IS SEPARATED FROM THE REMAINDER OF THE BUILDING BY A FIRE SEPARATION WITH A 1-HOUR FIRE-RESISTANCE RATING, STREET FACING "STAIR 1" IS CONFIGURED AS UNCONDITIONED OUTDOOR SPACE, WITHOUT A FIRE SEPARATION FROM THE EXTERIOR PASSAGEWAY, AS PERMITTED BY SENTENCE 3.4.4.3.(1). THE REQUIREMENTS OF SENTENCES 3.4.4.1.(1) AND 3.2.3.13.(1) AND (3) DO NOT APPLY TO AN EXTERIOR EXIT PASSAGEWAY PROVIDED (a) NOT LESS THAN 50% OF THE EXTERIOR SIDE IS OPEN TO THE OUTDOORS, AND (b) AN EXIT STAIR IS PROVIDED AT EACH END OF THE PASSAGEWAY. PER BCBC ARTICLE 3.1.13.10, ALL WALL, CEILING/SOFFIT, AND GUARD FINISH MATERIALS TO HAVE A FLAME-SPREAD RATING NOT MORE THAN 25, EXCEPT THAT UP TO 10% EACH OF WALL AND CEILING AREAS ARE PERMITTED TO HAVE A FLAME-SPREAD RATING NOT MORE THAN 150. AS REQUIRED BY ARTICLES 3.3.2.12. AND 3.2.2.50., FLOOR ASSEMBLIES TO EXTERIOR EXIT PASSAGEWAYS ARE TO HAVE A FIRE-RESISTANCE RATING NOT LESS THAN 1-HOUR, TO BE ACHIEVED BY EITHER A ULC-LISTED RATED ASSEMBLY OR BY THE ADDITIVE METHOD OF APPENDIX D.		3.4.4.1.(1), 3.2.3.13.(1), 3.4.4.3.(1)
A-2	OBJECTIVES & FUNCTIONAL STATEMENTS	FUNCTIONAL STATEMENT: F05 TO RETARD THE EFFECT OF FIRE ON EMERGENCY EGRESS FACILITIES. F06 TO RETARD THE EFFECT OF FIRE ON FACILITIES FOR NOTIFICATION, SUPPRESSION, AND EMERGENCY RESPONSE. F10 TO FACILITATE THE TIMELY MOVEMENT OF PERSONS TO A SAFE PLACE IN AN EMERGENCY. LINK: SO AS TO. OBJECTIVE: LIMIT THE PROBABILITY THAT A PERSON IN OR ADJACENT TO THE BUILDING WILL BE EXPOSED TO AN UNACCEPTABLE LEVEL OF RISK OF INJURY DUE TO FIRE CAUSED BY PERSONS BEING DELAYED OR IMPEDED FROM MOVING TO A SAFE PLACE DURING A FIRE EMERGENCY. OBJECTIVE STATEMENT: OP3.1		
A-3	APPLICATION OF SENTENCE 3.4.4.3.(1)	NEITHER THE BCBC NOR THE HISTORY OF BUILDING CODE APPEAL BOARD DECISIONS TO DATE PROVIDES A QUANTITATIVE METHODOLOGY OR DEFINITION OF WHAT CONSTITUTES "50% OF THE EXTERIOR SIDE OPEN TO THE OUTDOORS", HOWEVER THE FUNCTION AND GOAL OF AN OPEN EXTERIOR SIDE IS CLEARLY TO ENABLE THE RAPID DISSIPATION OF HEAT AND SMOKE GENERATED BY A FIRE, AND TOO NOT ACCUMULATE WITHIN EGRESS FACILITIES. WHERE EXTERIOR EXIT PASSAGEWAYS ARE CONVENTIONALLY USED, SUCH AS AT MOTELS, THE OPEN SIDE OF EXTERIOR EXIT PASSAGEWAYS ARE OFTEN LIMITED TO THAT AREA ABOVE THE 1.07M GUARD HEIGHT AND BELOW A DROPPED BEAM BENEATH THE CEILING OR SOFFIT. THUS THE ONE OPEN SIDE IS ITSELF OFTEN ONLY ABOUT 50% DIRECTLY OPEN TO AMBIENT AIR. IN SUCH A CONDITION, THE APERTURE FOR THE ESCAPE OF SMOKE AND HEAT IS LIMITED IN THE VERTICAL DIMENSION. AT UNENCLOSED "STAIR 1", NON-COMBUSTIBLE PERFORATED METAL SCREEN PANELS ARE PROPOSED ON THE WEST, SOUTH AND A PORTION OF THE EAST SIDE. THE PROPOSED PANELS EXTEND FROM FLOOR TO CEILING IN EACH INSTANCE, AND ARE TO BE INSTALLED AGAINST NON-COMBUSTIBLE METAL FRAMING ATTACHED TO AND HELD AWAY FROM THE FLOOR EDGES UP TO THE 100MM MAXIMUM PERMITTED FOR GUARD OPENINGS. IN ADDITION TO THE PERMEABILITY TO AIR THROUGHOUT THE FULL HEIGHT OF THE METAL SCREEN PANELING, THIS ARRANGEMENT OF SUPPORT FRAMING FURTHER ENHANCES AIR FLOW WITHIN THE DEPTH OF THE METAL FRAMING BY CREATING ADDITIONAL SPACES FOR AIR MOVEMENT, AS WELL AS ACCELERATING DISSIPATION OF HEAT AND SMOKE BY THE STACK EFFECT FROM THE FULL FLOOR-TO-FLOOR DIMENSION. IT IS ALSO NOTEWORTHY THAT THE EXTERIOR EXIT PASSAGEWAYS, BEING COVERED BY FLOOR SYSTEMS EXTENDING MORE THAN 610MM FROM THE EXTERIOR BUILDING FACE, SHALL BE REQUIRED BY BCBC SENTENCE 3.2.5.12.(8) TO BE PROTECTED BY SPRINKLER HEADS. THROUGH THE ABOVE DESIGN STRATEGIES, HEAT AND SMOKE FROM A FIRE IN THE BUILDING CAN VENT FREELY TO THE EXTERIOR AND WILL NOT CONTAMINATE THE PASSAGEWAY OR "STAIR 1" TO MAKE IT IMPASSABLE TO PERSONS EXITING THE BUILDING, IN COMPLIANCE WITH SENTENCE 3.4.4.3.(1).		



---	FRR - 0 H Fire Separation
---	FRR - 0.75 H Fire Separation
---	FRR - 1 H Fire Separation
---	FRR - 2 H Fire Separation

---	WALL OR FIRE COMPARTMENT AREA UNPROTECTED OPENING
---	SPRINKLER PROTECTED OPENING (ALTERNATE SOLUTION)



Christine Lintott Architects Inc.

Suite 1 - 864 Queens Avenue, Victoria, BC V8T 1M5
Telephone: 250.384.1969
www.lintottarchitect.ca

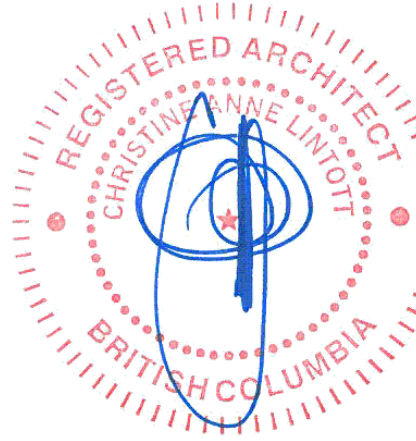
Issue Date

Submission for Rezoning and Development Permit	2020-09-30
Re - Submission for Rezoning and Development Permit	2021-01-18
Re - Submission for Rezoning and Development Permit	2021-06-11
Re - Submission for Rezoning and Development Permit	2021-10-22
Re - Submission for Rezoning and Development Permit	2022-04-14
Re - Submission for Rezoning and Development Permit	2023-08-29
Re - Submission for Rezoning and Development Permit	2023-11-07

Revision

No.	Description	Date
2	Glazing & Stair Core Updated	2021-10-22
3	Zoning Comment #1	2022-04-19
11	Exterior Material	2023-08-29
15	Setback Correction	2023-11-07
19	Code Analysis Addition	2023-11-07

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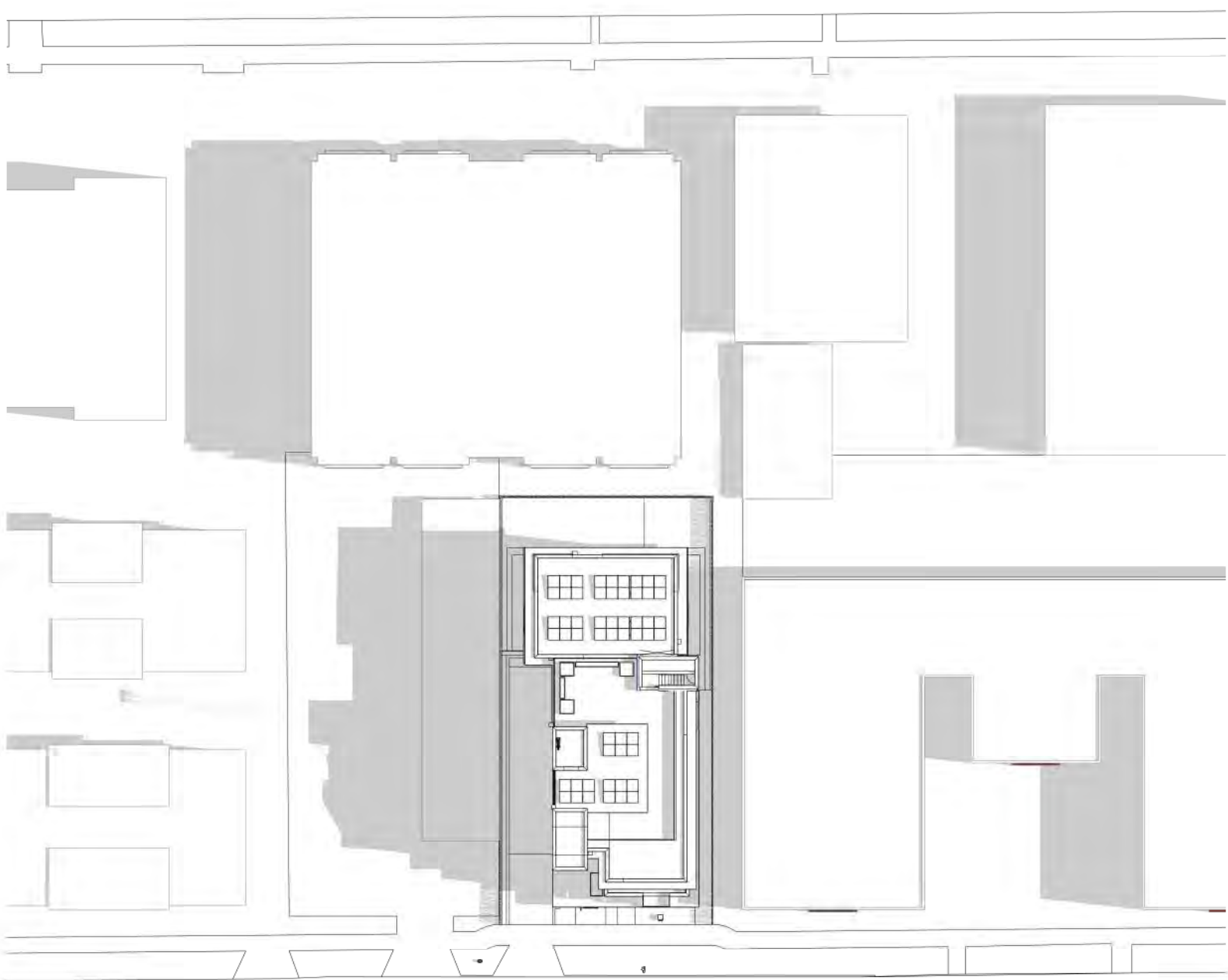
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3 Solar Study - Vernal Noon
1 : 500



2 Solar Study - Vernal 3pm
1 : 500



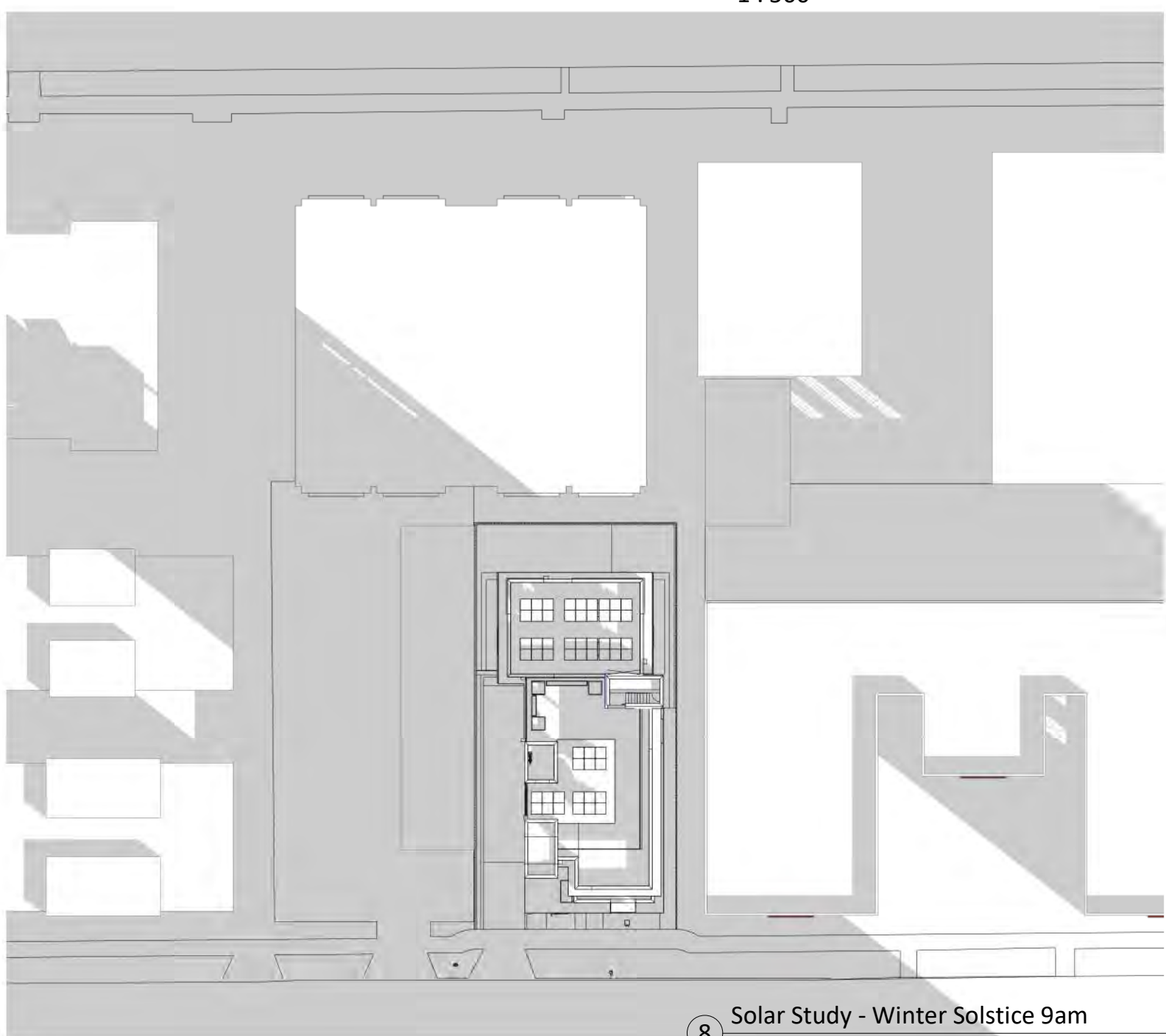
5 Solar Study - Summer Solstice 9am
1 : 500



6 Solar Study - Summer Solstice noon
1 : 500



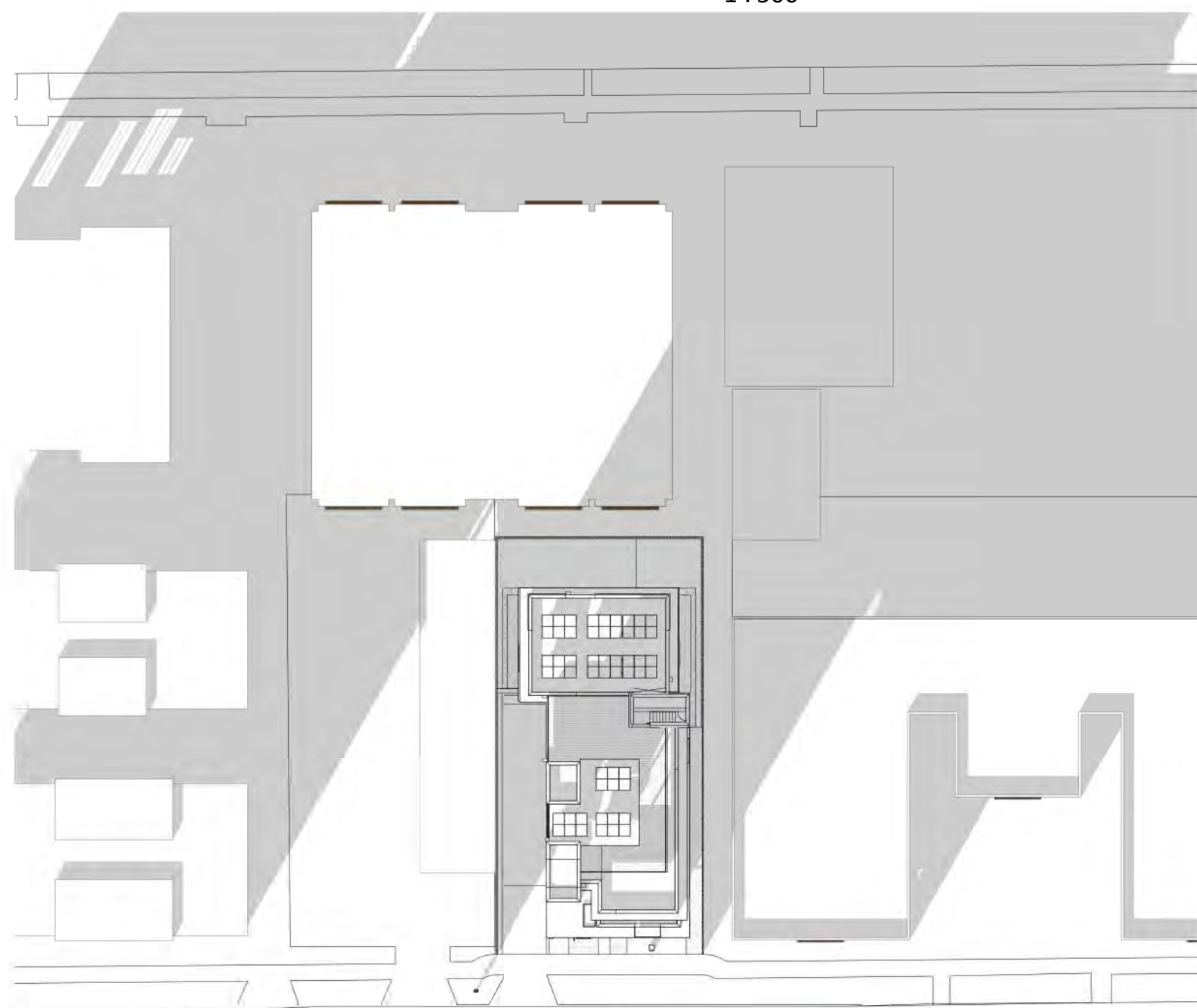
4 Solar Study - Summer Solstice 3pm
1 : 500



8 Solar Study - Winter Solstice 9am
1 : 500

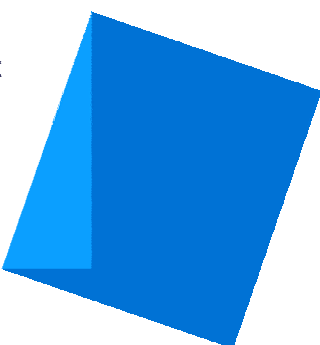


9 Solar Study - Winter Solstice noon
1 : 500



7 Solar Study - Winter Solstice 3pm
1 : 500

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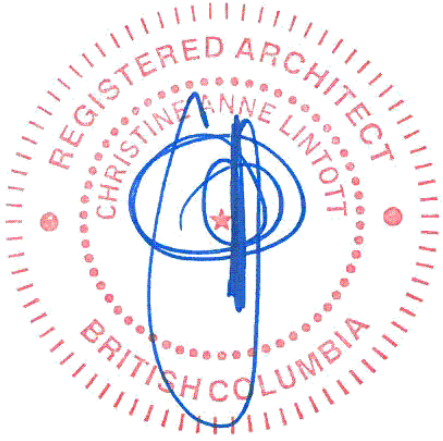
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Re - Submission for Rezoning and Development Permit	2023-11-07

Revision

No.	Description	Date

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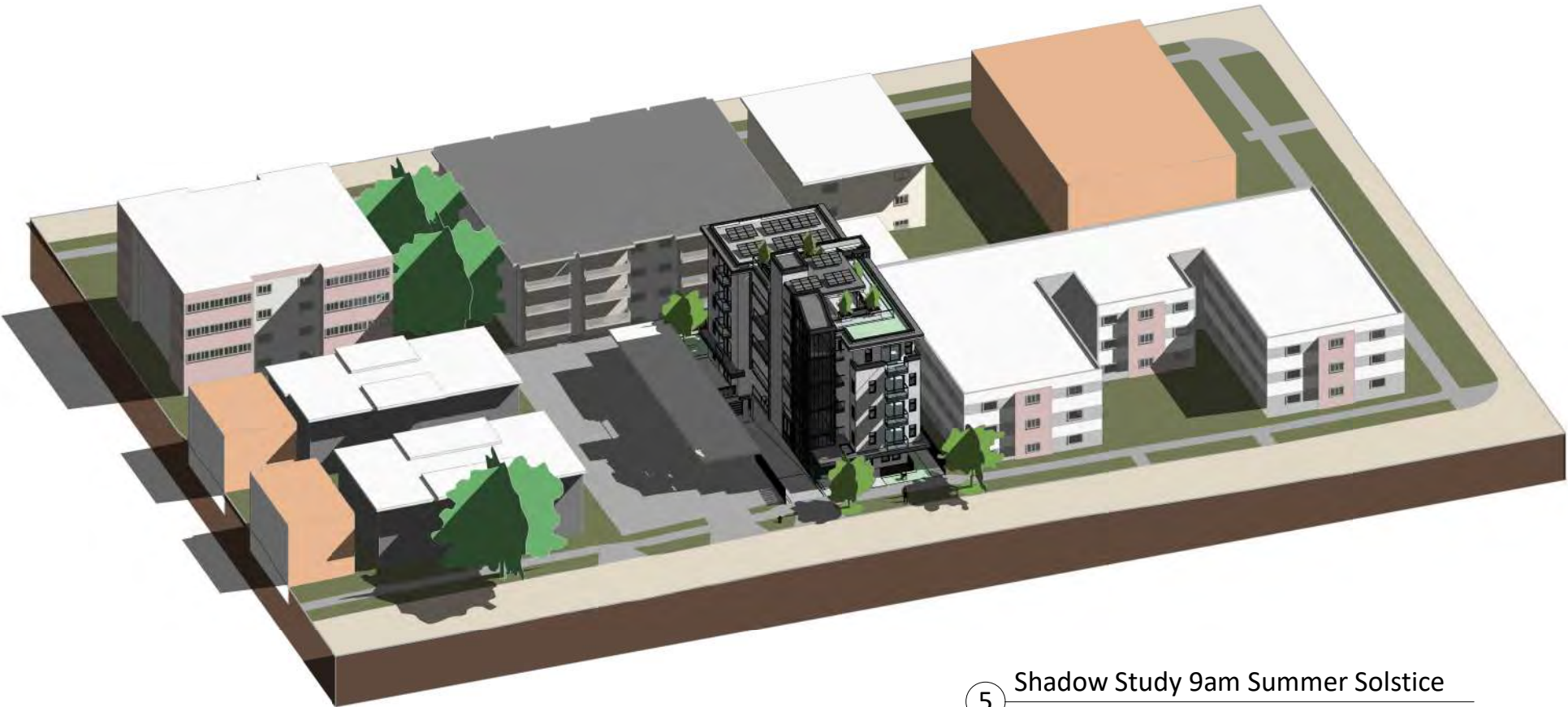
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Solar Shadow Study

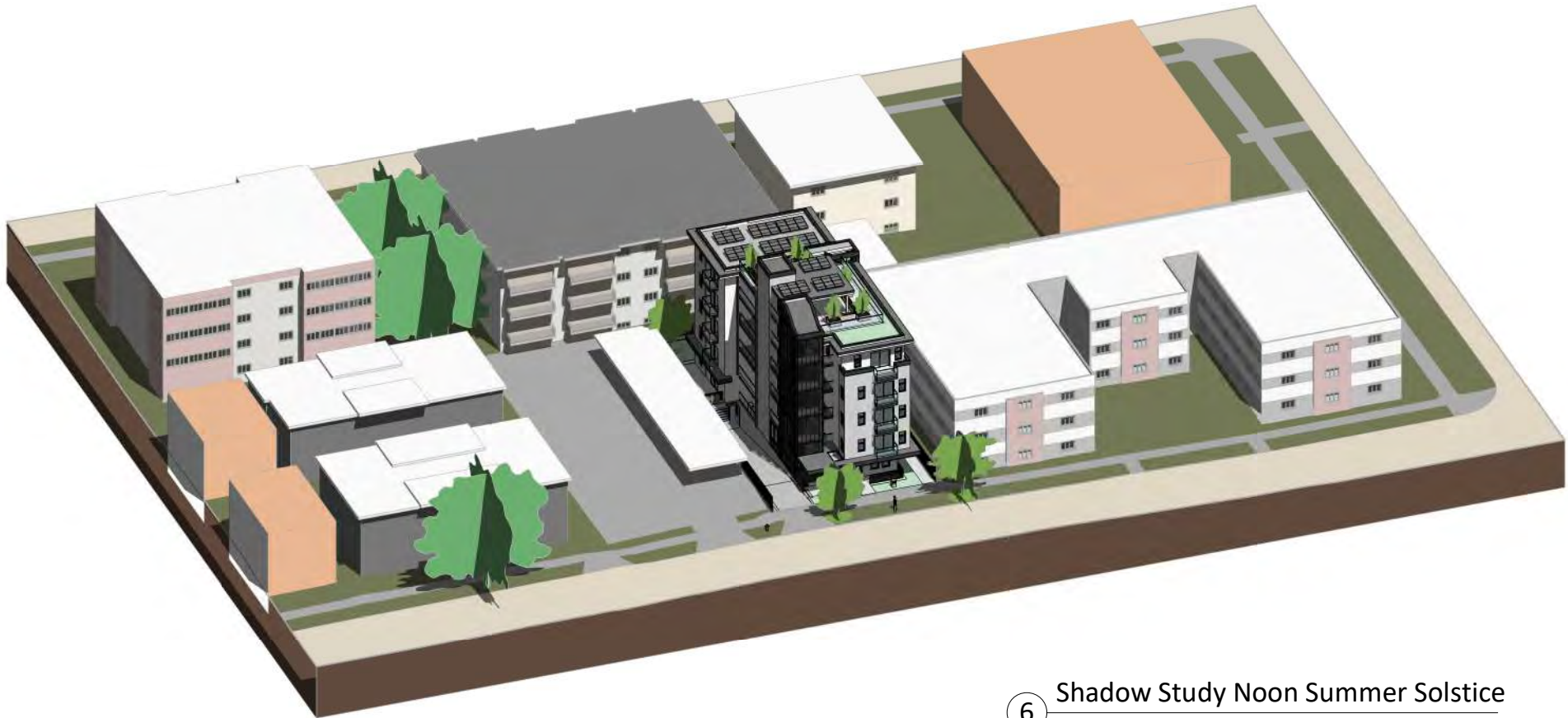
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5 Shadow Study 9am Summer Solstice



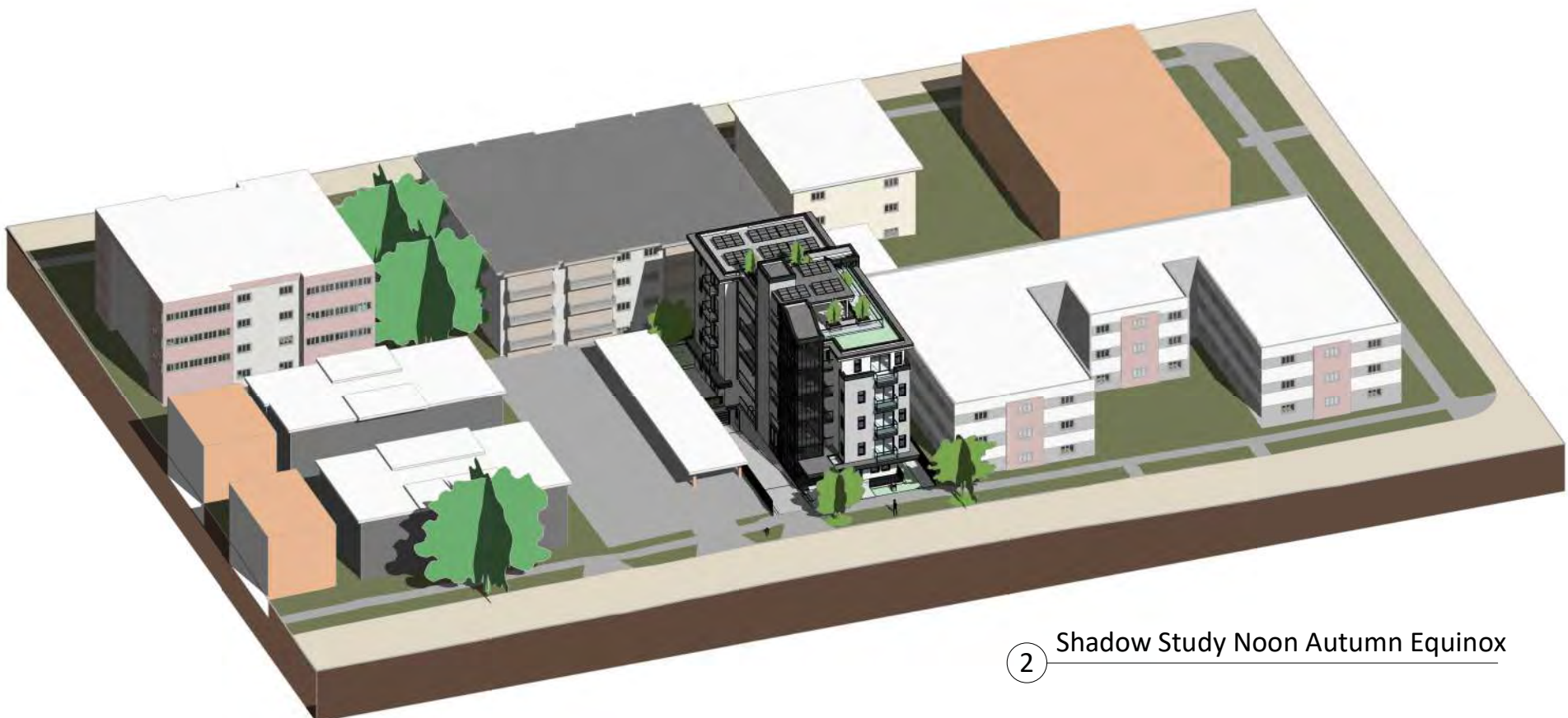
6 Shadow Study Noon Summer Solstice



4 Shadow Study 3pm Summer Solstice



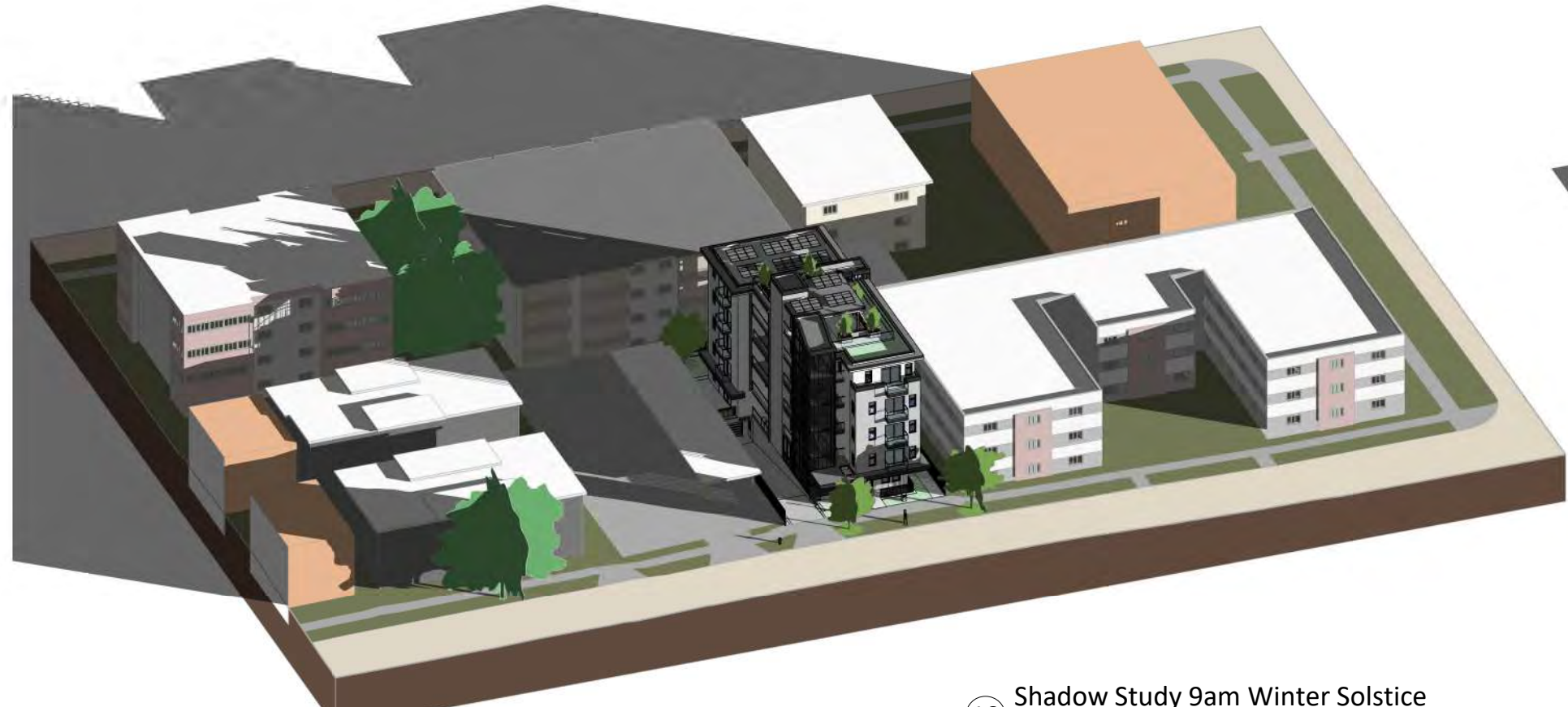
7 Shadow Study 9am Autumn Equinox



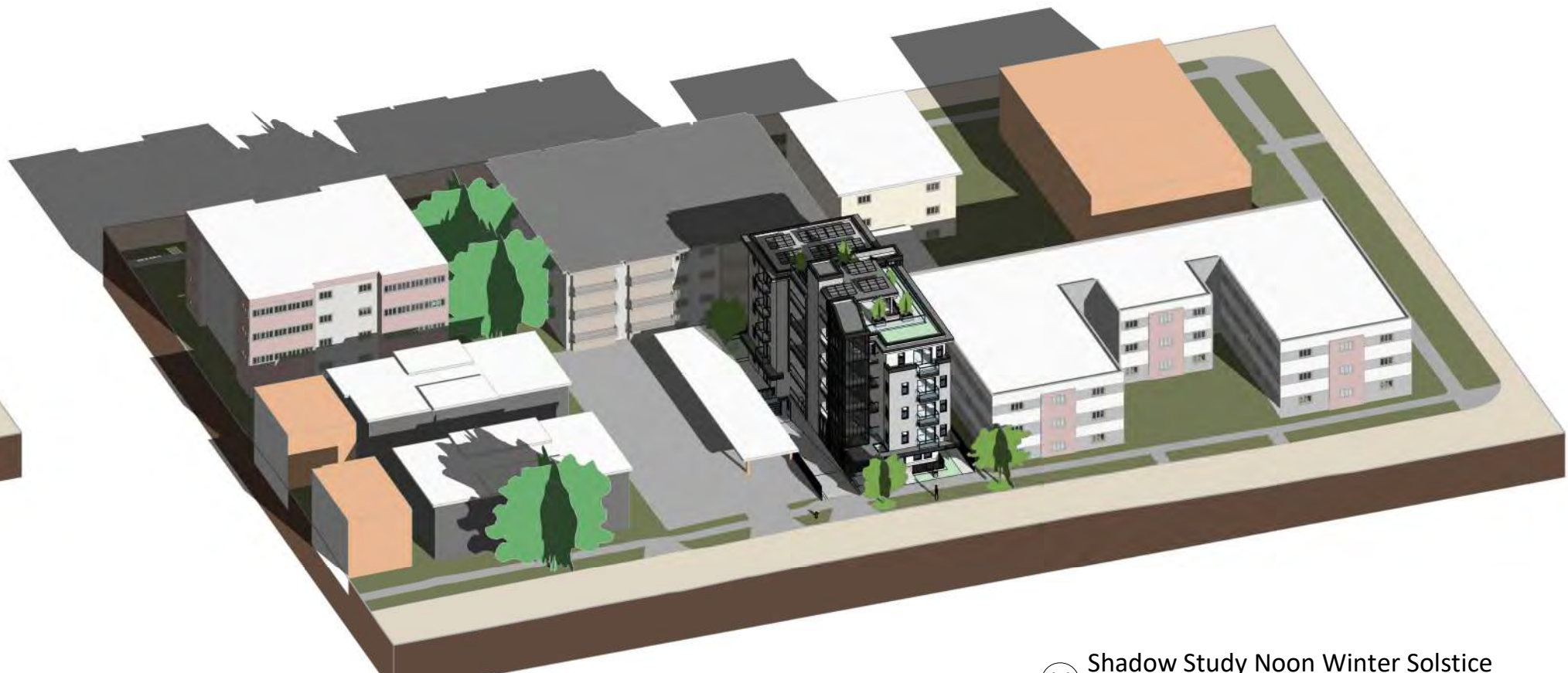
2 Shadow Study Noon Autumn Equinox



9 Shadow Study 3pm Autumn Equinox



10 Shadow Study 9am Winter Solstice

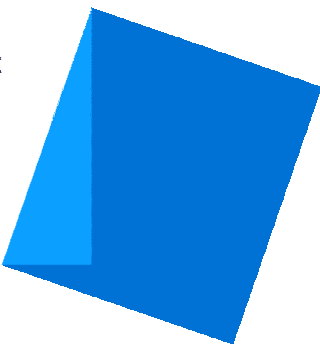


11 Shadow Study Noon Winter Solstice



12 Shadow Study 3pm Winter Solstice

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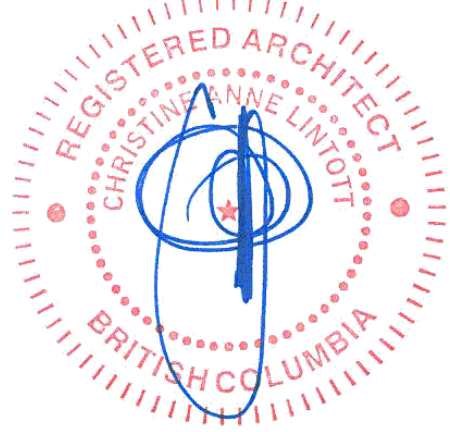
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Issue	Date
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Re - Submission for Rezoning and Development Permit	2023-08-29
Re - Submission for Rezoning and Development Permit	2023-11-07

Revision

No.	Description	Date
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Axo Shadow Study

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Drawn by	BH
Checked by	CL

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Scale



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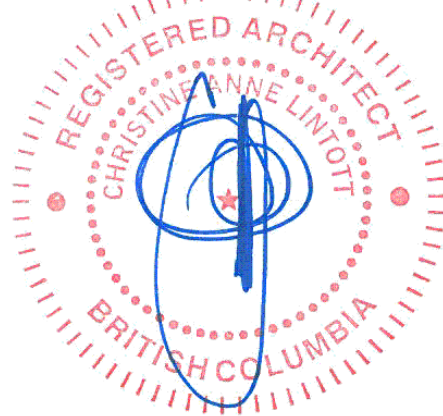


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Re - Submission for Rezoning and Development Permit	2023-08-29
Re - Submission for Rezoning and Development Permit	2023-11-07

Revision		
No.	Description	Date
11	Exterior Material	2023-08-29
20	Boulevard Revisions	2023-11-07

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Context Renders

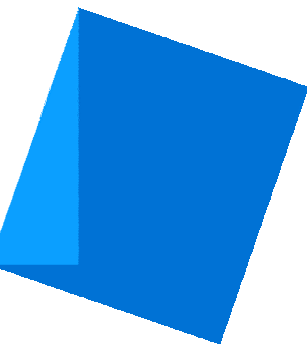
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Scale



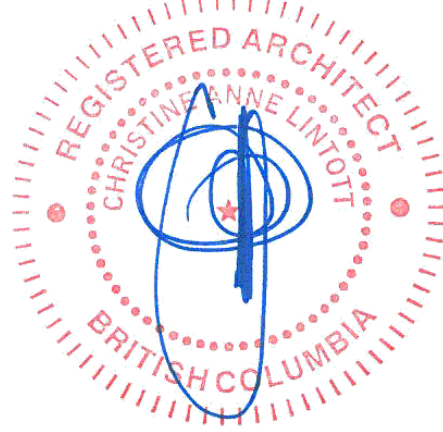
Issue Date

Submission for Rezoning and Development Permit	2020-09-30
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Re - Submission for Rezoning and Development Permit	2021-06-11
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Re - Submission for Rezoning and Development Permit	2022-04-14
Re - Submission for Rezoning and Development Permit	2023-08-29
Re - Submission for Rezoning and Development Permit	2023-11-07

Revision

No.	Description	Date
1	Revision 2	2021-06-11
7	Zoning Comment #5	2022-04-19
11	Exterior Material	2023-08-29
12	Long-term Bike Stalls	2023-08-29
13	Short-term Bike Stalls	2023-08-29
15	Setback Correction	2023-11-07
16	Bike Layout Update	2023-11-07
17	Dimension to Entry	2023-11-07
18	Accessible Parking	2023-11-07

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Floor Plans

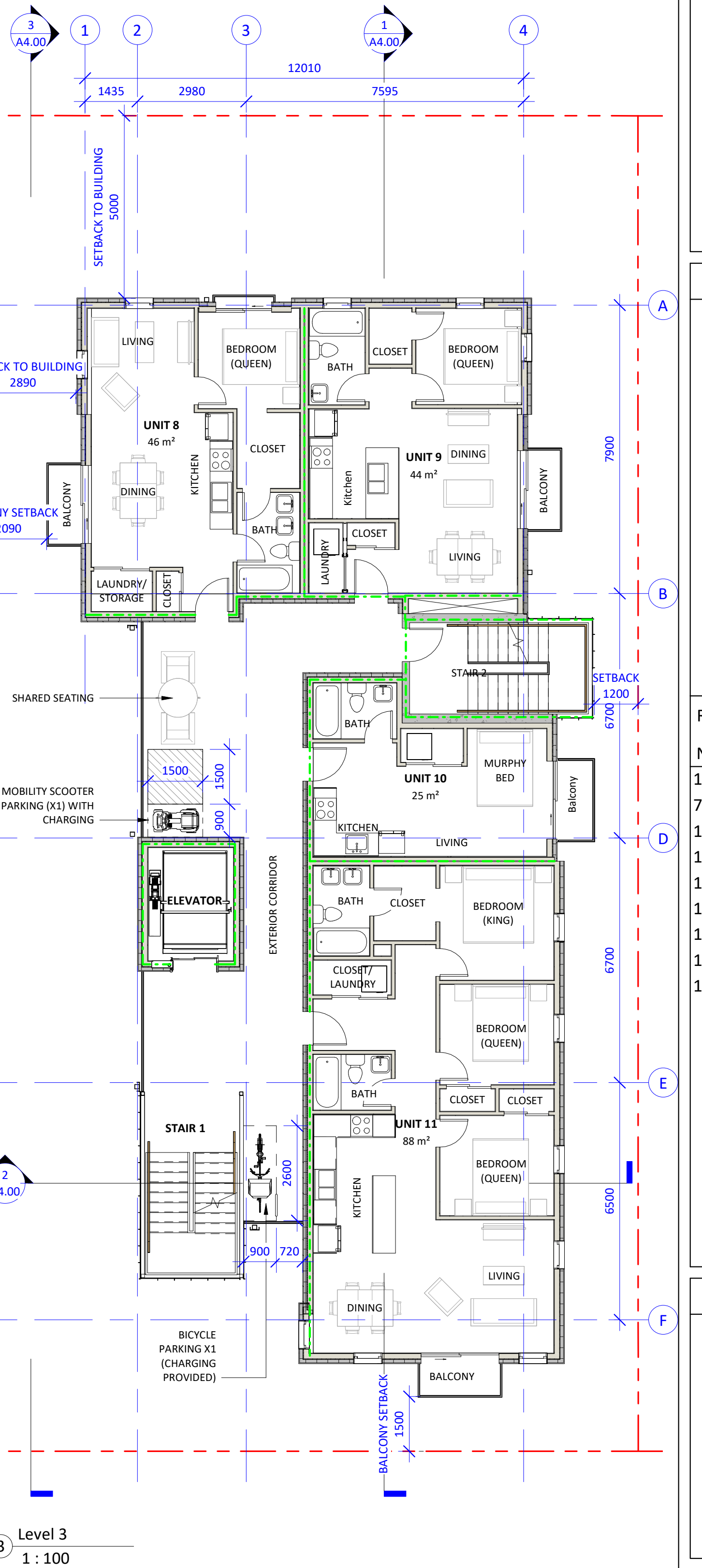
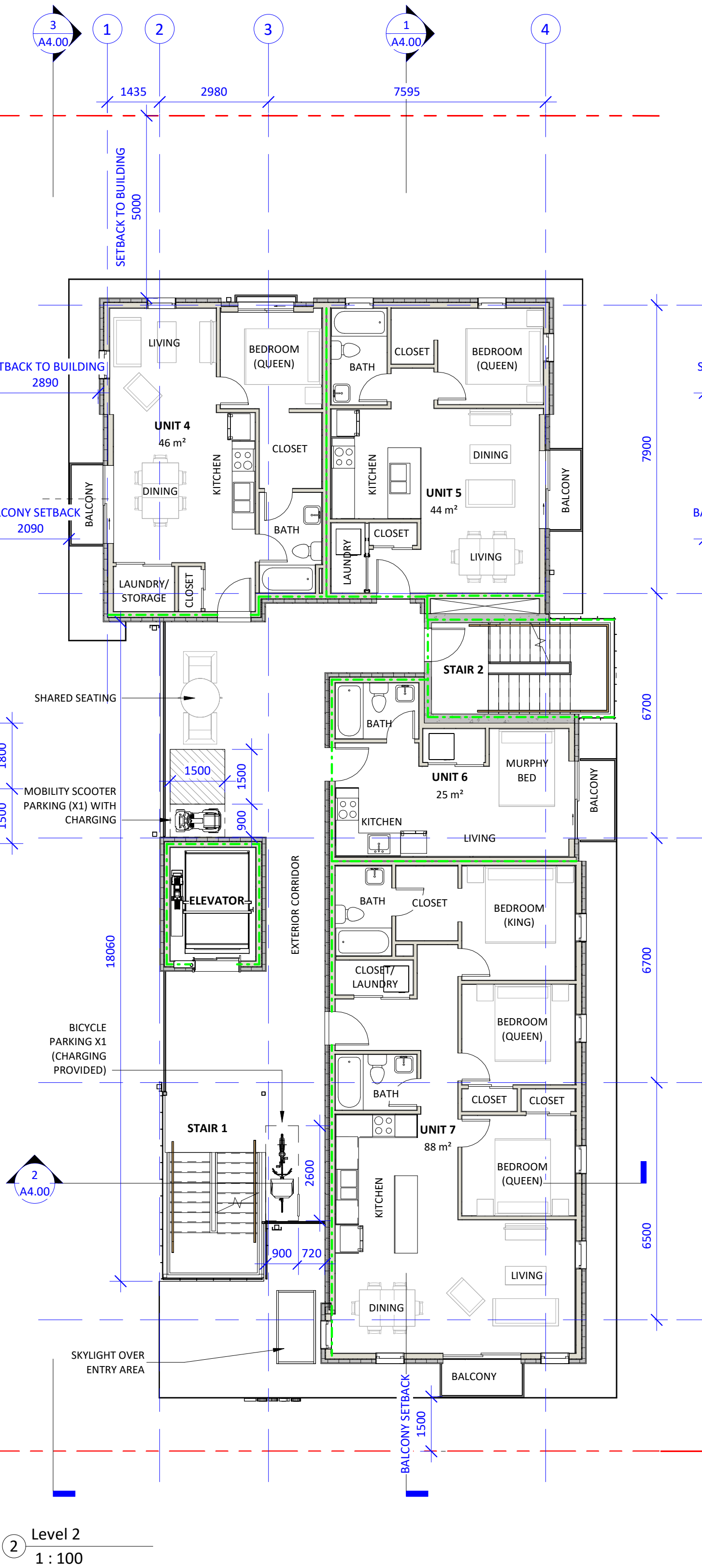
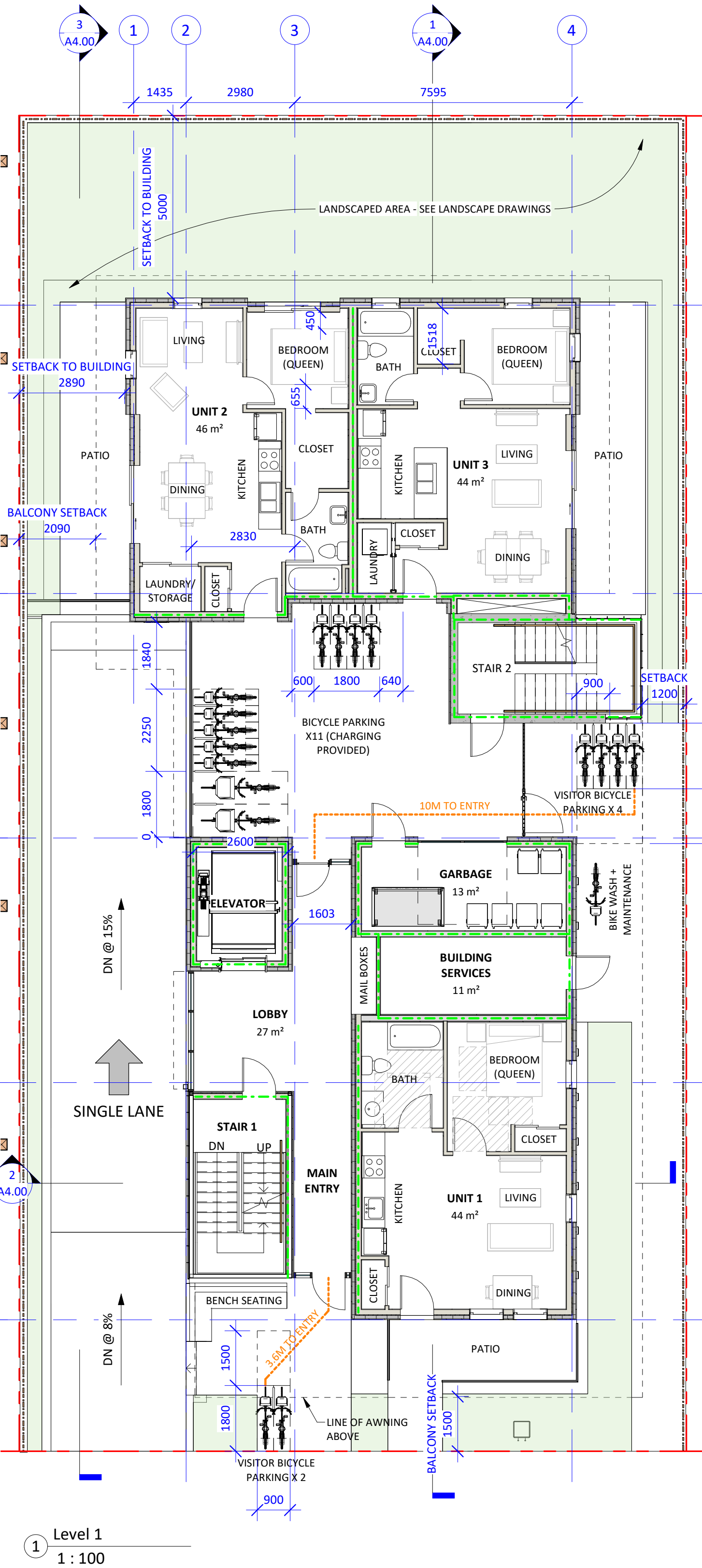
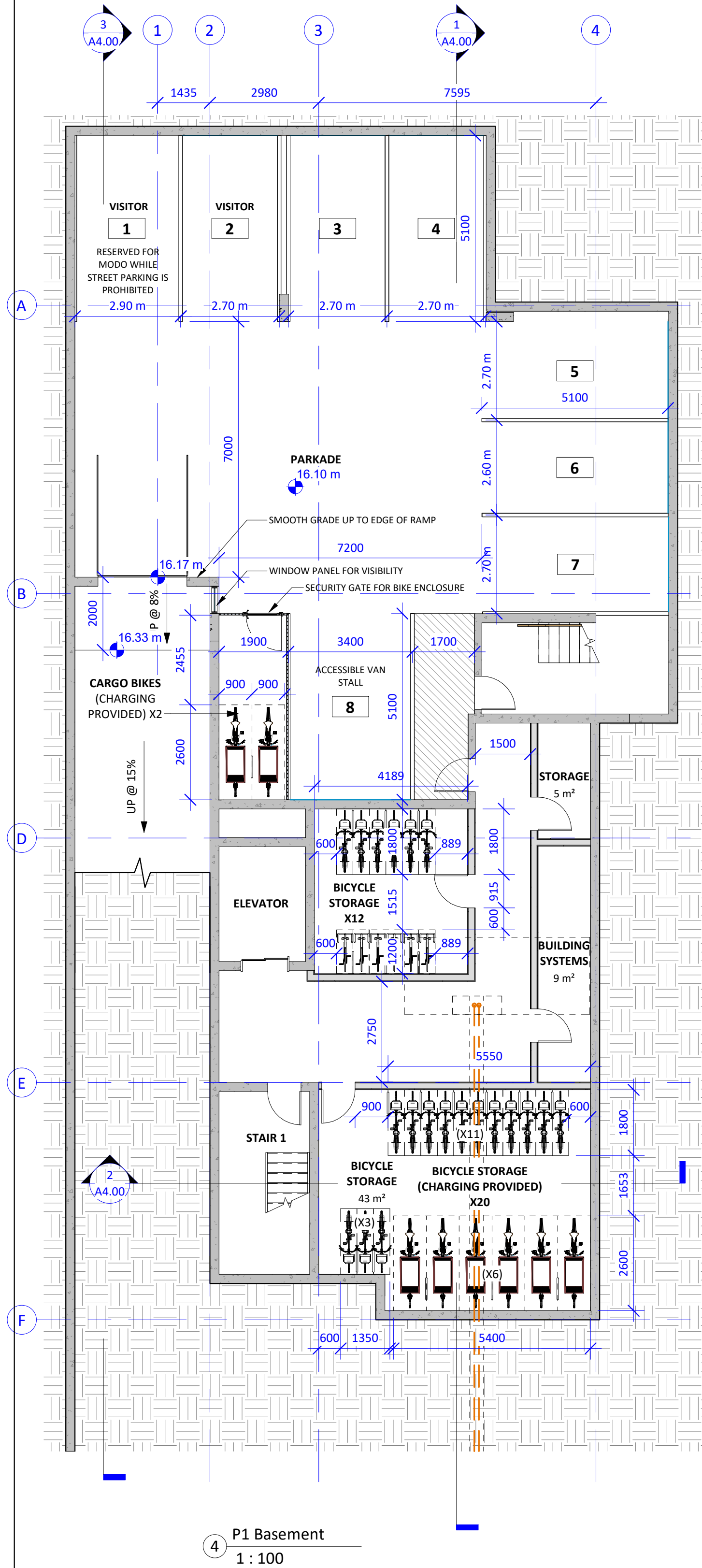
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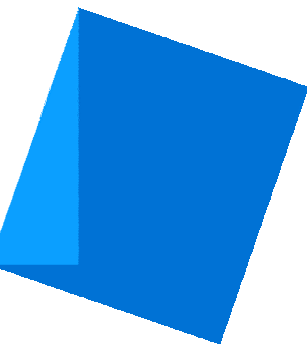


Unit Schedule		
Occupancy	Name	Area
LEVEL 1		
1 Bedroom	UNIT 1	44 m ²
1 Bedroom	UNIT 2	46 m ²
1 Bedroom	UNIT 3	44 m ²
LEVEL 2		
1 Bedroom	UNIT 4	46 m ²
1 Bedroom	UNIT 5	44 m ²
Studio	UNIT 6	25 m ²
3 Bedroom	UNIT 7	88 m ²
LEVEL 3		
1 Bedroom	UNIT 8	46 m ²
1 Bedroom	UNIT 9	44 m ²
Studio	UNIT 10	25 m ²
3 Bedroom	UNIT 11	88 m ²

Unit Schedule		
Occupancy	Name	Area
LEVEL 4		
1 Bedroom	UNIT 12	46 m ²
1 Bedroom	UNIT 13	44 m ²
1 Bedroom	UNIT 14	25 m ²
3 Bedroom	UNIT 15	88 m ²
LEVEL 5		
1 Bedroom	UNIT 16	46 m ²
1 Bedroom	UNIT 17	44 m ²
1 Bedroom	UNIT 18	26 m ²
1 Bedroom	UNIT 19	36 m ²
1 Bedroom	UNIT 20	39 m ²
		936 m ²

Bicycle Parking	
Long Term Per Schedule C	Short Term Per Schedule C (within 15m of entry)
Required:	Required:
1/Unit < 45m ² x 12 = 12	1/Unit < 45m ² x 12 = 12
1.25/Unit > 45m ² x 8 = 10	1.25/Unit > 45m ² x 8 = 10
Total = 22	Total = 22
Provided:	P1 = 22
Proposed Additional	
Long Term Parking = 45 (Conforming to Schedule C)	
Long Term Parking = 3 (Not conforming to Schedule C)	

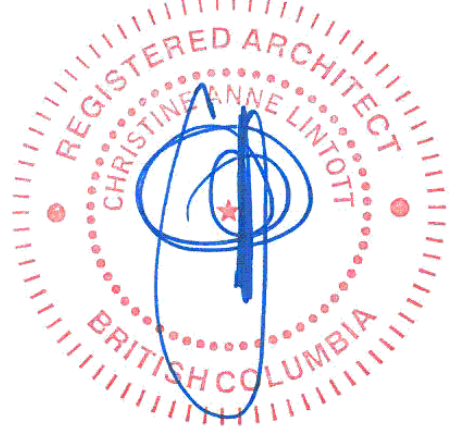
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---	FRR - 0.75 H Fire Separation
---	FRR - 1 H Fire Separation
---	FRR - 2 H Fire Separation



Issue	Date
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Re - Submission for Rezoning and Development Permit	2023-08-29
Re - Submission for Rezoning and Development Permit	2023-11-07

Revision	No.	Description	Date
1	Revision 2		2021-06-11
16	Bike Layout Update		2023-11-07

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Floor Plans

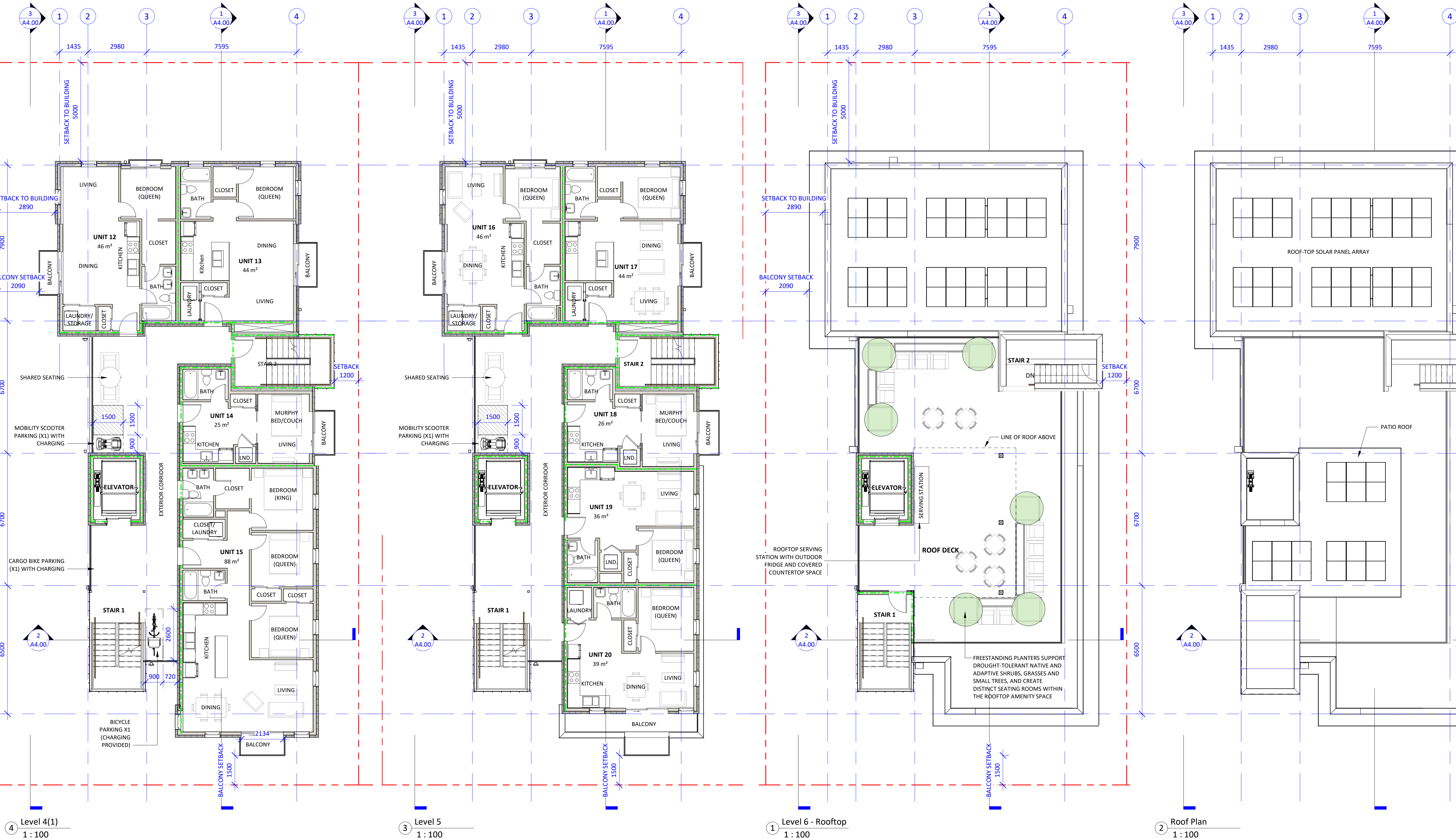
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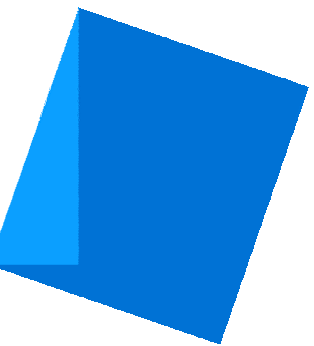


Unit Schedule			
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1 Bedroom	UNIT 3	44 m ²	
LEVEL 2			
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1 Bedroom	UNIT 5	44 m ²	
Studio	UNIT 6	25 m ²	
3 Bedroom	UNIT 7	88 m ²	
LEVEL 3			
1 Bedroom	UNIT 8	46 m ²	
1 Bedroom	UNIT 9	44 m ²	
Studio	UNIT 10	25 m ²	
3 Bedroom	UNIT 11	88 m ²	

Unit Schedule			
Occupancy	Name	Area	
LEVEL 4			
1 Bedroom	UNIT 12	46 m ²	
1 Bedroom	UNIT 13	44 m ²	
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3 Bedroom	UNIT 15	88 m ²	
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1 Bedroom	UNIT 16	46 m ²	
1 Bedroom	UNIT 17	44 m ²	
1 Bedroom	UNIT 18	26 m ²	
1 Bedroom	UNIT 19	36 m ²	
1 Bedroom	UNIT 20	39 m ²	
		936 m ²	

Bicycle Parking
Long Term Per Schedule C Required:
1/2 unit = 45m² x 12 = 12
1.25/unit > 45m² x 8 = 10
Total = 22
Provided: P1 = 22
Proposed Additional
Long Term Parking = 45 (Conforming to Schedule C)
Long Term Parking = 3 (Not conforming to Schedule C)

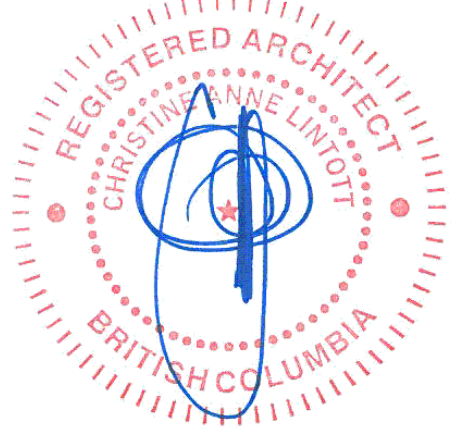
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--- FRR - 0.75 H Fire Separation
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--- FRR - 2 H Fire Separation



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Revision	No.	Description	Date
1	Revision 2		2021-06-11
2	Glazing & Stair Core Updated		2021-10-22
4	Zoning Comment #2		2022-04-19
11	Exterior Material		2023-08-29

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1042 Richardson Street,
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Elevations

Date	2023-11-07 12:24:20 PM
Drawn by	BH
Checked by	CL

A3.00

Scale As indicated



① East Elevation
1 : 100



② North Elevation
1 : 100

EXTERIOR FINISH LEGEND

- 1 FIBRE-CEMENT PANELS - LIGHT GREY
- 2 FIBRE-CEMENT PANELS - OFF WHITE
- 3 GLASS GUARD WITH METAL RAILING
- 4 VINYL WINDOWS - BLACK
- 5 GLAZING WALL - ALUMINUM, BLACK POWDER COAT
- 6 PERFORATED METAL STANDING SEAM SCREEN - BLACK
- 7 PREFINISHED METAL FLASHING - BLACK
- 8 RAIN WATER LEADER - COLOUR MATCH CLADDING



③ South - Richardson Street Elevation
1 : 100

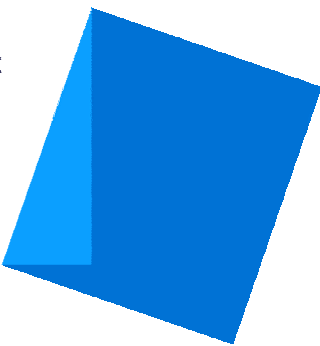


④ West Elevation
1 : 100



Context Elevation
1 : 100

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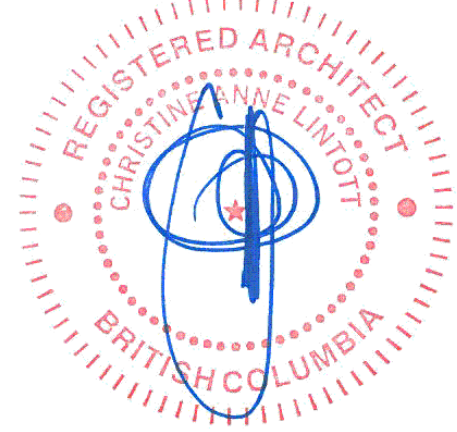


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No.	Description	Date
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11	Exterior Material	2023-08-29

Consultant



Ten42

1042 Richardson Street,
Victoria BC

Context Elevations

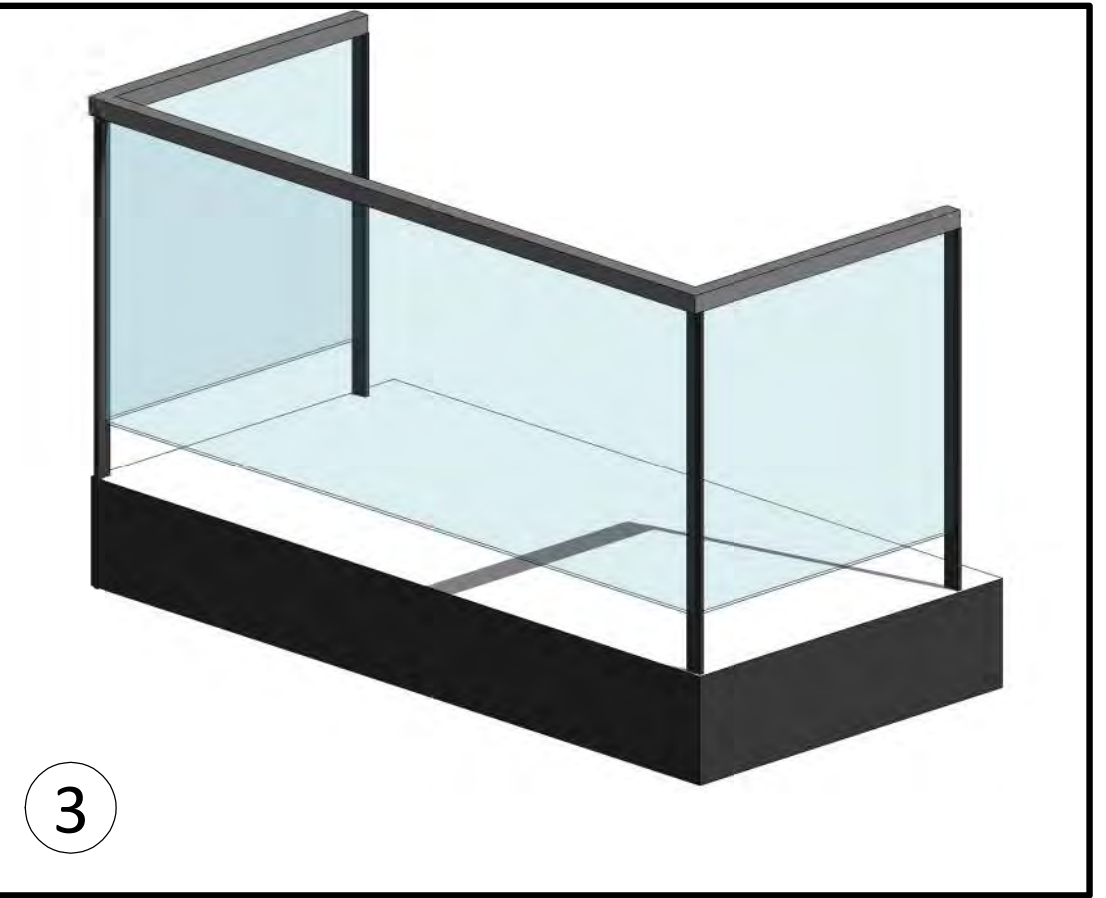
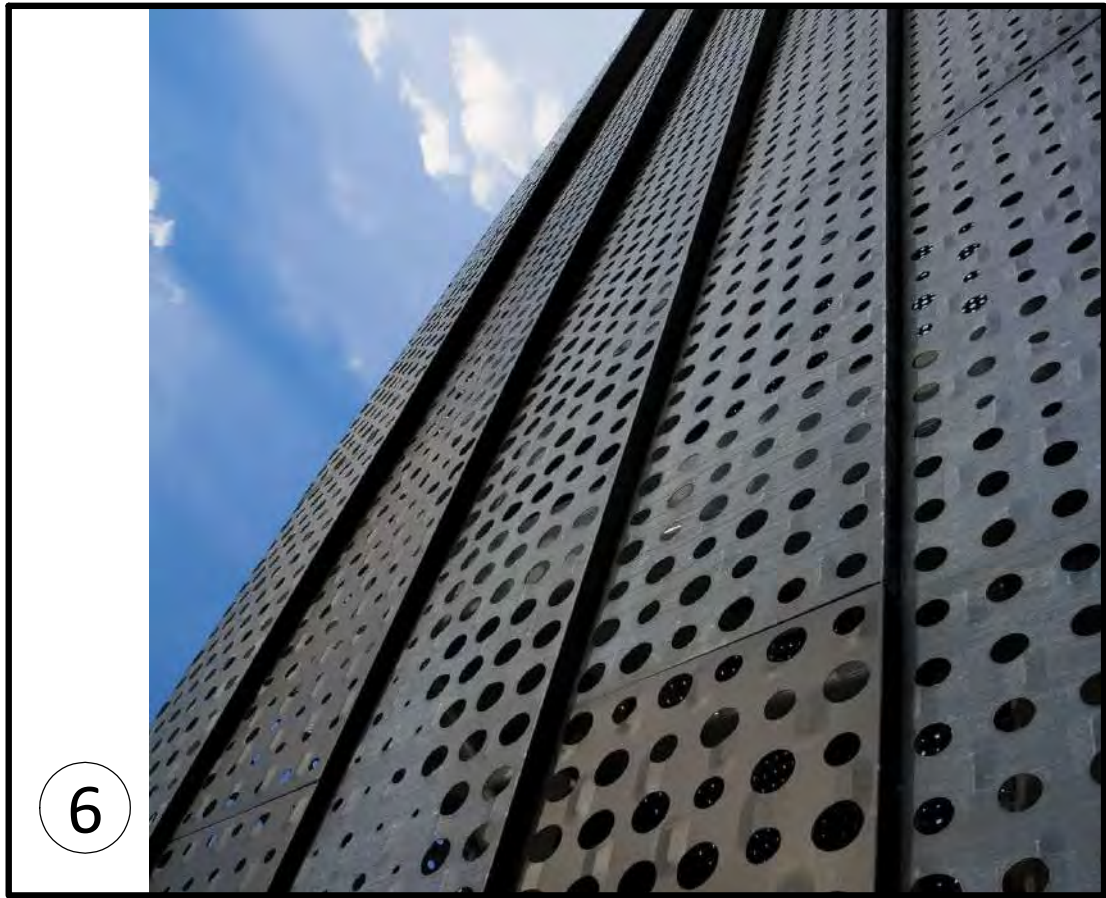
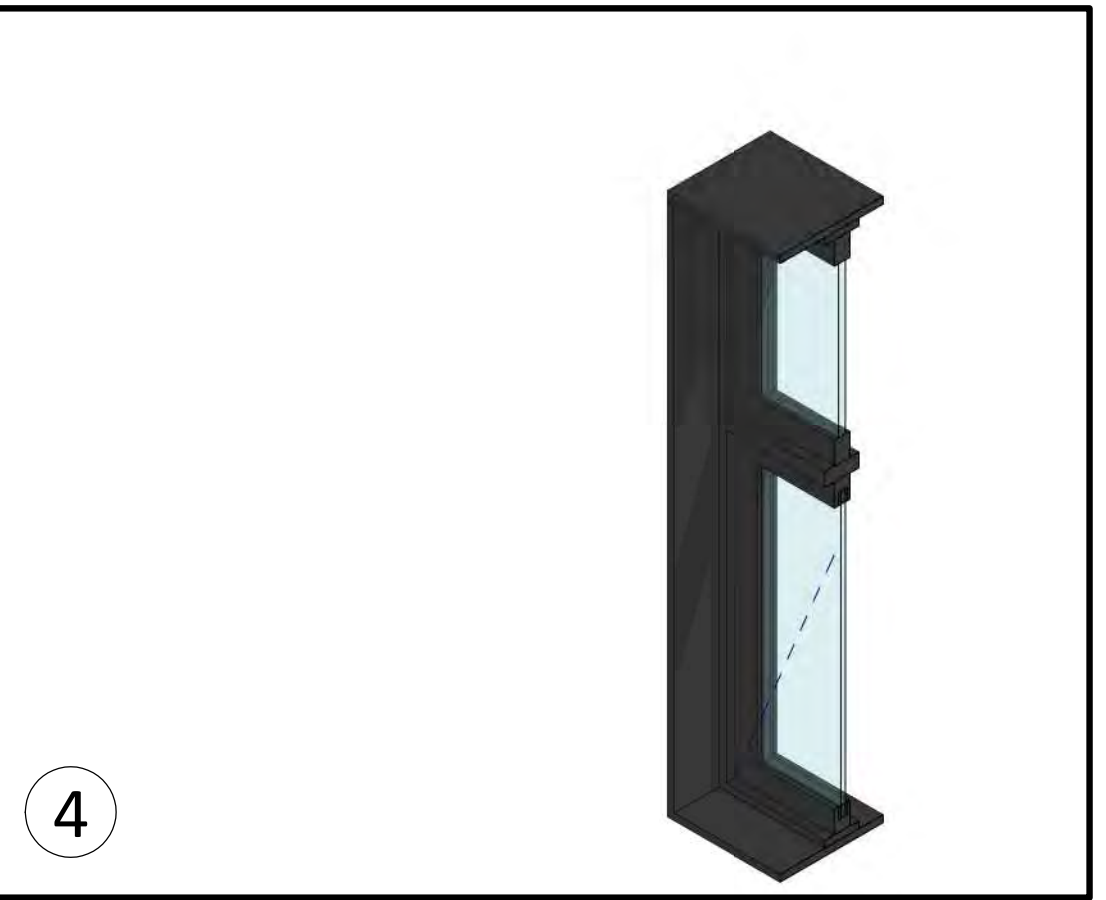
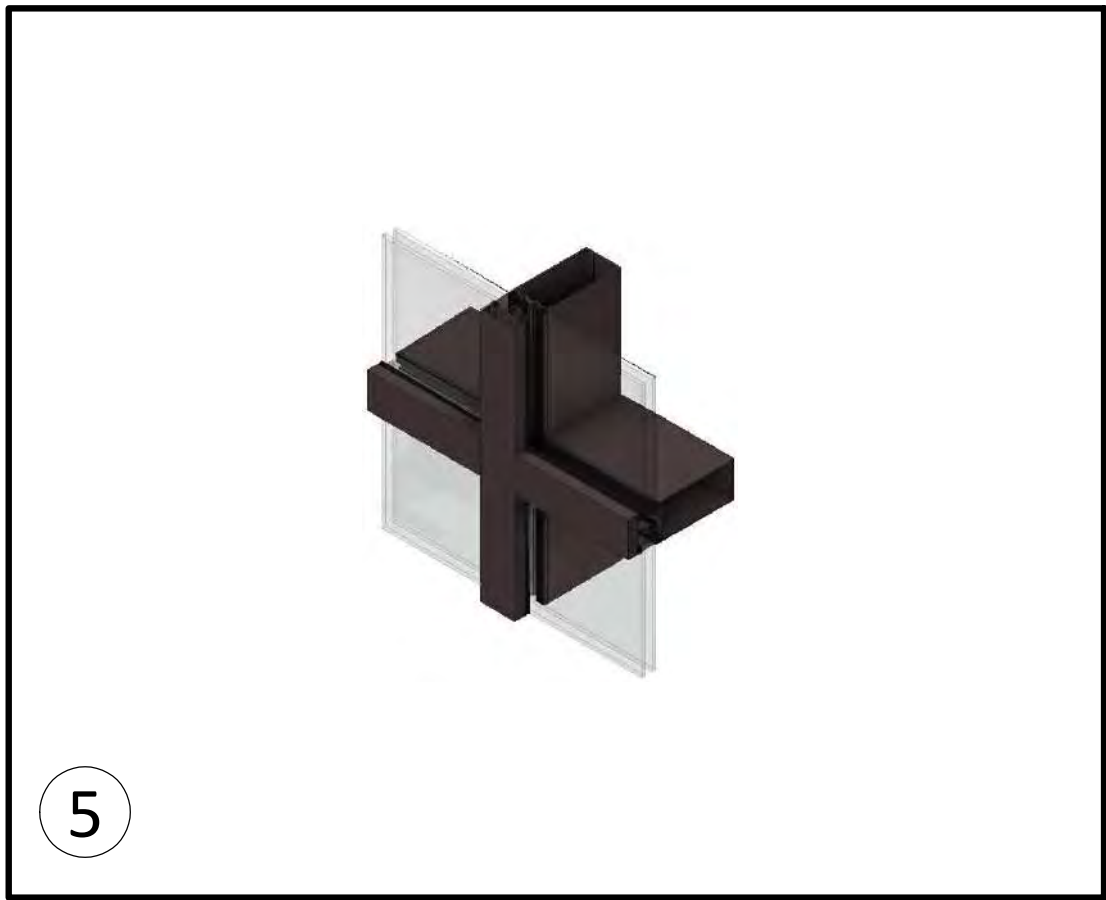
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Drawn by	BH
Checked by	CL

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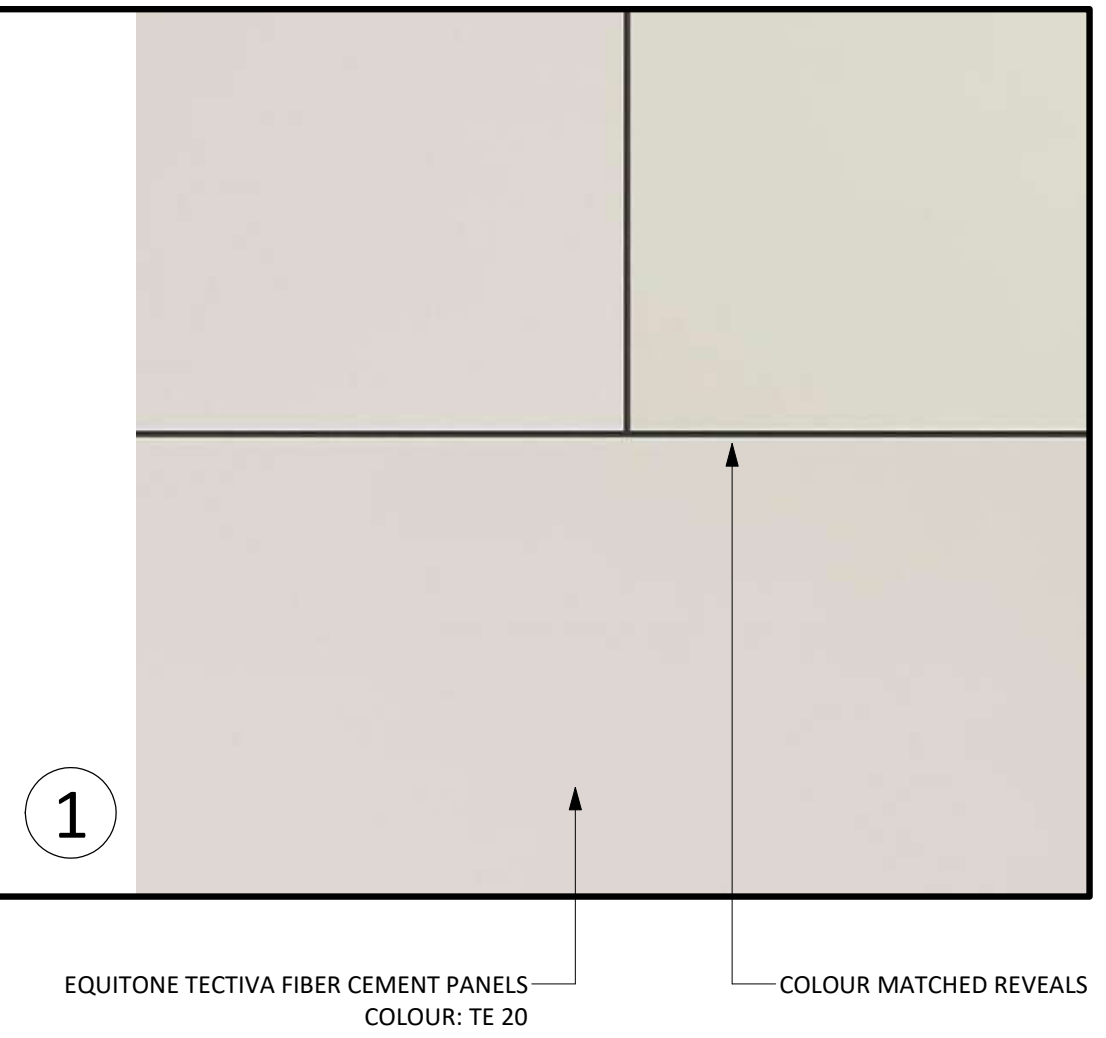
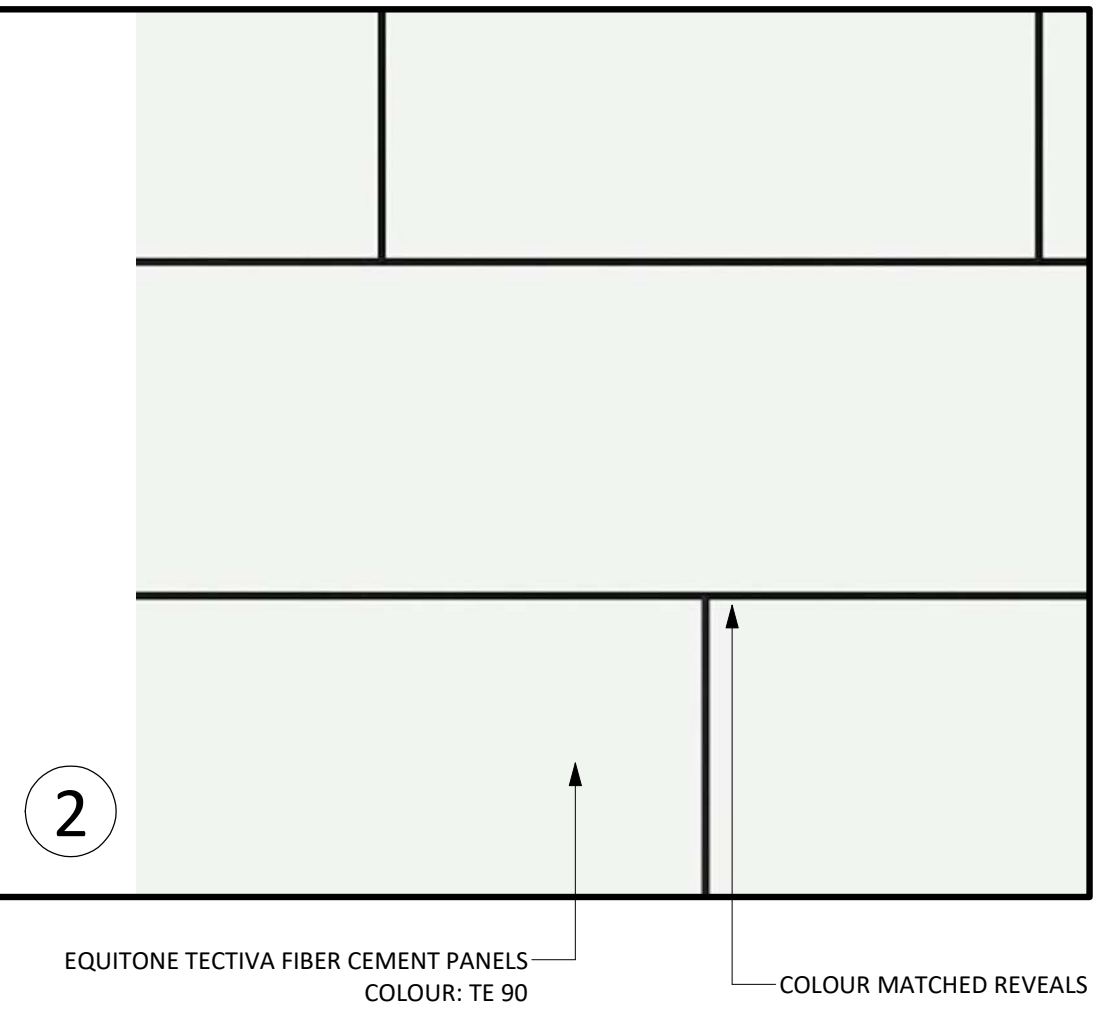
Scale	1 : 100
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① Materials Elevation
1 : 50



- ① FIBRE-CEMENT PANELS - LIGHT GREY
- ② FIBRE-CEMENT PANELS - OFF WHITE
- ③ GLASS GUARD WITH METAL RAILING
- ④ VINYL WINDOWS - BLACK
- ⑤ GLAZING WALL - ALUMINUM, BLACK POWDER COAT
- ⑥ PERFORATED METAL STANDING SEAM SCREEN - BLACK
- ⑦ PREFINISHED METAL FLASHING - BLACK
- ⑧ RAIN WATER LEADER - COLOUR MATCH CLADDING



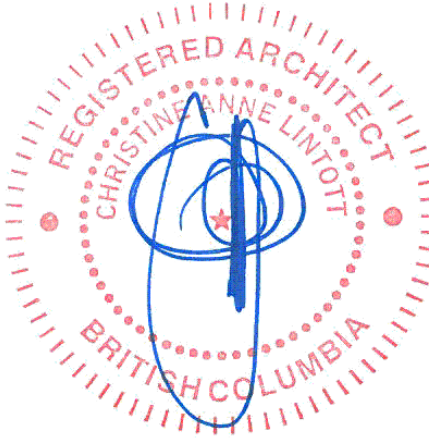
Issue Date

Submission for Rezoning and Development Permit	2020-09-30
Re - Submission for Rezoning and Development Permit	2021-01-18
Re - Submission for Rezoning and Development Permit	2021-06-11
Re - Submission for Rezoning and Development Permit	2021-10-22
Re - Submission for Rezoning and Development Permit	2022-04-14
Re - Submission for Rezoning and Development Permit	2023-08-29
Re - Submission for Rezoning and Development Permit	2023-11-07

Revision

No.	Description	Date
8	Vertical Screen Material	2022-04-19
11	Exterior Material	2023-08-29

Consultant



Ten42

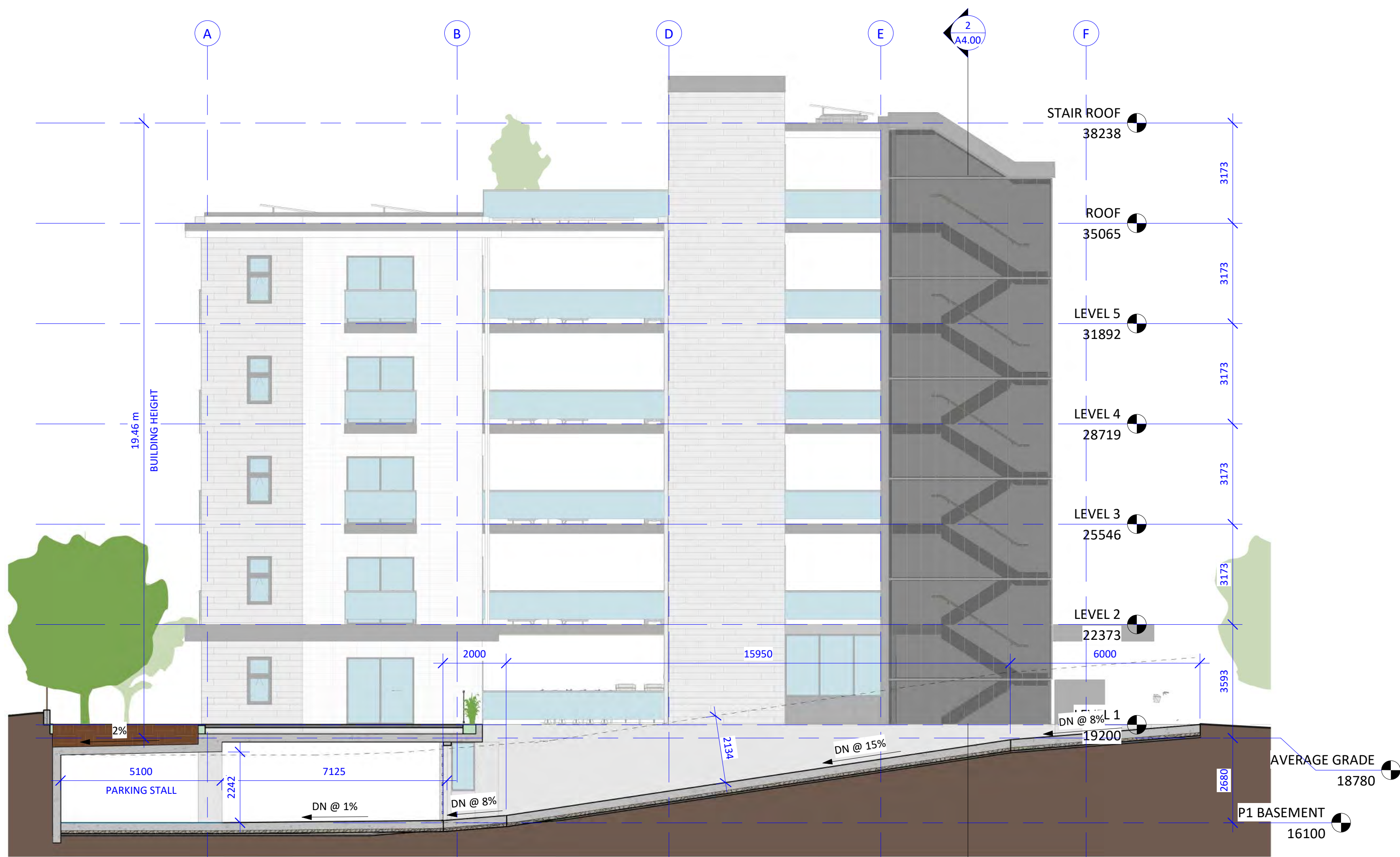
1042 Richardson Street,
Victoria BC

Exterior Materials

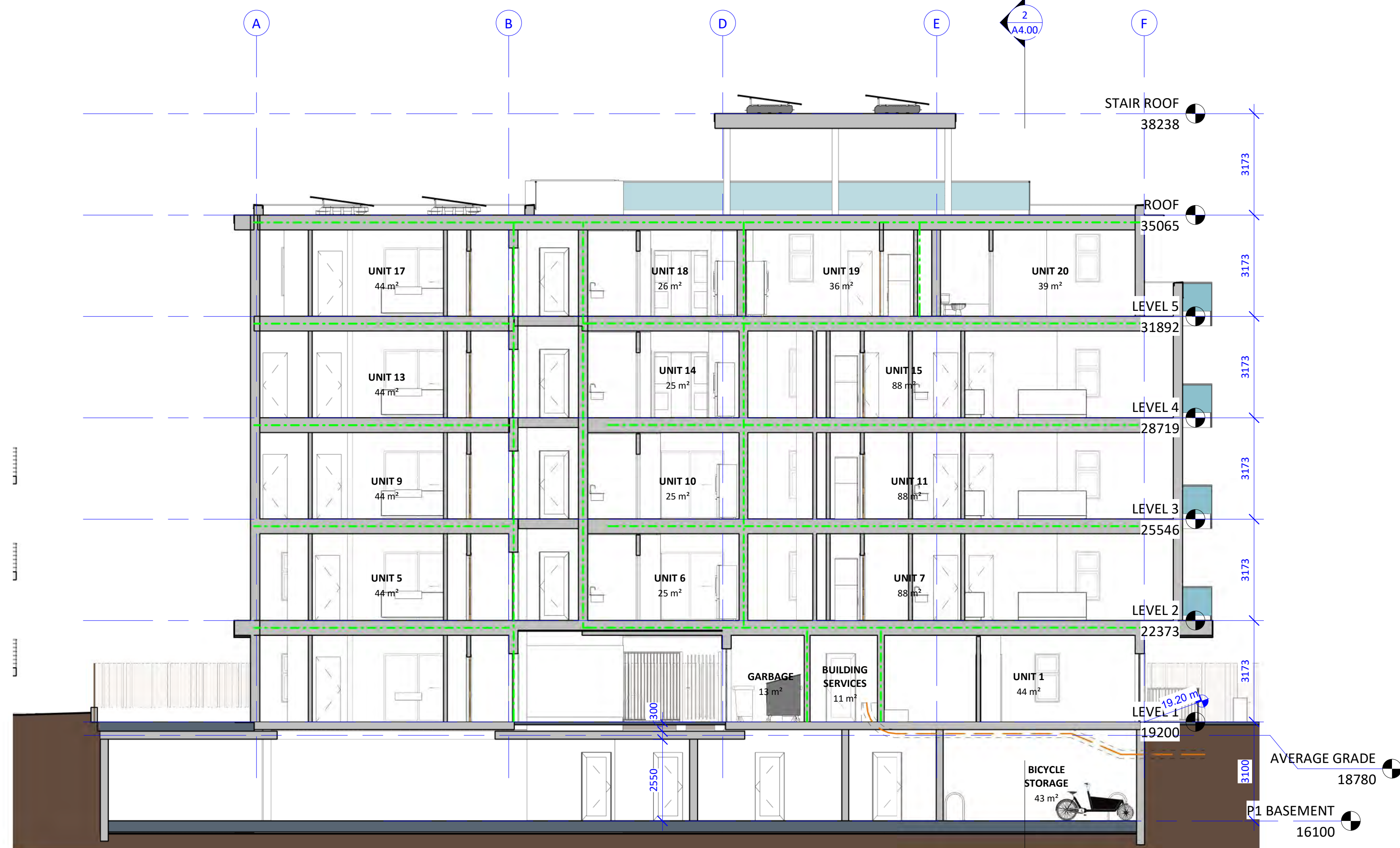
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Checked by	CL

A3.02

Scale	As indicated
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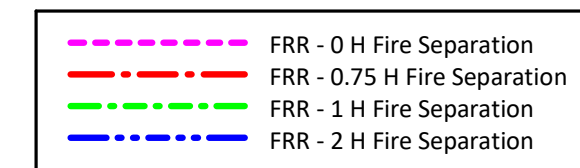
3 Section - Parkade Entry Ramp
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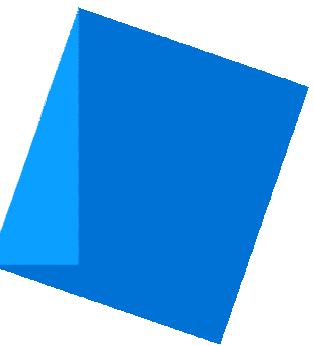
1 Section - Longitudinal
1 : 100



2 Section - Cross Section
1 : 100



Christine Lintott
Architects Inc.



Suite 1 - 864 Queens Avenue, Victoria, BC V8T 1M5
Telephone: 250.384.1969
www.lintottarchitect.ca

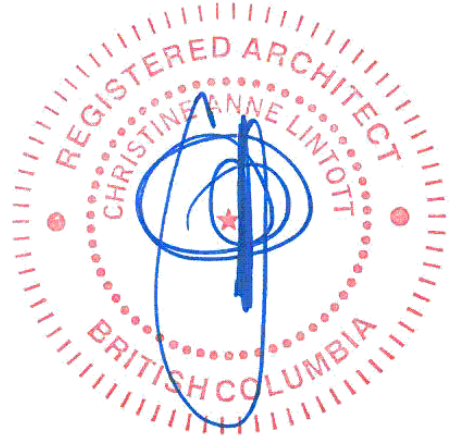
Issue Date

Submission for Rezoning and Development Permit	2020-09-30
Re - Submission for Rezoning and Development Permit	2021-01-18
Re - Submission for Rezoning and Development Permit	2021-06-11
Re - Submission for Rezoning and Development Permit	2021-10-22
Re - Submission for Rezoning and Development Permit	2022-04-14
Re - Submission for Rezoning and Development Permit	2023-08-29
Re - Submission for Rezoning and Development Permit	2023-11-07

Revision

No.	Description	Date
1	Revision 2	2021-06-11
7	Zoning Comment #5	2022-04-19

Consultant



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1042 Richardson Street,
Victoria BC

Building Sections

Date 2023-11-07 12:24:43 PM
Drawn by BH
Checked by CL

A4.00

Scale As indicated



NOTE: CONCRETE ROAD BASE ON RICHARDSON STREET

REFER TO ARBORIST REPORT FOR TREE NUMBER AND CRITICAL ROOT ZONE INFORMATION (TYP ALL TREES)

NEW UTILITY POLE WITH OVERHEAD SERVICE TO NEW POLE (SEE NOTE 8) AND UNDERGROUND SERVICE TO BUILDING. DETAILS TO BE CONFIRMED DURING DETAILED DESIGN

NEW ANCHOR REQUIRED ON UTILITY POLE

APPROX EXTENT OF ROAD RE-PAVING (TO BE CONFIRMED DURING DETAILED DESIGN)

DRIVEWAY AS PER SCHEDULE 'B' HIGHWAY ACCESS BYLAW 91-38 AND SUPPLEMENTARY DWGS. SD C7c AND SD C7c

CONCRETE SIDEWALK TO BE REMOVED/REPLACED TO NEAREST FULL PANEL (TYP BOTH SIDES)

APPROX EXTENT PARKADE (SEE ARCHITECT DRAWINGS)

ALL ONSITE BUILDINGS, WALLS, DRIVEWAYS, ETC. TO BE REMOVED (TYP)

PROPOSED BUILDING (SEE ARCHITECTURAL)

PROPOSED BUILDING (SEE ARCHITECTURAL)

PRELIMINARY UNDERGROUND BC HYDRO SERVICING (TO BE CONFIRMED DURING DETAILED DESIGN)

FIRE DEPARTMENT CONNECTION (SEE MECHANICAL)

FENCE ALONG PROPERTY LINE (SEE LANDSCAPE DRAWINGS)

SEE LANDSCAPE DRAWINGS FOR TREE LOCATIONS / SPECIES (TYP)

PROJECT SITE

SEE ARCHITECT AND LANDSCAPE DRAWINGS FOR ONSITE PATHWAYS, BIKE FACILITIES, ETC. INCLUDING MATERIAL AND SURFACE TREATMENT (TYP)

NOTES:

- FOR BUILDING INFORMATION, SEE DRAWINGS BY CHRISTINE LINTOTT ARCHITECTS.
- FOR LANDSCAPE AND TREE INFORMATION, SEE DRAWINGS BY LADR LANDSCAPE ARCHITECTS.
- FOR LEGAL INFORMATION, SEE PLANS BY POWELL & ASSOCIATES.
- FOR TREE INFORMATION INCLUDING CRITICAL ROOT ZONE EXTENTS, SEE REPORT BY TALMACK URBAN FORESTRY CONSULTANTS.
- UTILITY SIZES AND LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN. LOCATIONS AND SIZES OF SERVICES ARE SUBJECT TO CHANGE.
- ALL EXISTING BUILDINGS, PARKING LOT ASPHALT, RETAINING WALLS, CURB STOPS, ETC. TO BE REMOVED AND DISPOSED OFF-SITE.
- HYDRO/TEL/CABLE/GAS SERVICES (BY OTHERS) LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
- BASE INFORMATION SHOWN IS PRODUCED FROM A COMBINATION OF FIELD SURVEY AND GIS INFORMATION PROVIDED BY THE CITY OF VICTORIA. ALL INFORMATION TO BE CONFIRMED IN THE FIELD PRIOR TO CONSTRUCTION (INCLUDING COMPLETING A BCONECALL).

LEGEND

TREE TO BE REMOVED



SHEET NOTES

- | No. | DESCRIPTION |
|-----|---|
| 1 | ABANDONED SANITARY SERVICE TO BE CAPPED ON PRIVATE PROPERTY BY APPLICANT'S CONTRACTOR. |
| 2 | NEW 200# STORM SERVICE C/W INSPECTION CHAMBER. WORK TO BE COMPLETED BY VICTORIA FORCES AT DEVELOPER'S EXPENSE. SERVICE TO BE LOCATED EQUIDISTANCE FROM EXISTING TREES ON SOUTH SIDE OF RICHARDSON STREET. |
| 3 | EXISTING 19# WATER SERVICE TO BE CAPPED AND ABANDONED BY VICTORIA FORCES AT DEVELOPER'S EXPENSE. |
| 4 | ABANDONED STORM SERVICE TO BE CAPPED ON PRIVATE PROPERTY BY APPLICANT'S CONTRACTOR. |
| 5 | EXISTING GAS SERVICE TO BE CAPPED BY FORTISBC FORCES AT DEVELOPER'S EXPENSE. |
| 6 | NEW 50# DOMESTIC AND 100# FIRE WATER SERVICE BY VICTORIA FORCES AT DEVELOPER'S EXPENSE. SIZE TO BE CONFIRMED DURING DETAILED DESIGN. SERVICE TO BE INSTALLED BETWEEN (CENTRED) THE ONSITE TREES. |
| 7 | VEHICLE CHARGING STATION (FOR TWO STALLS) AT DEVELOPER'S EXPENSE. |
| 8 | NEW CITY OWNED SERVICE POLE REQUIRED TO PROVIDE OVERHEAD SERVICE TO CHARGING STATION. FINAL DETAILS TO BE CONFIRMED DURING DETAILED DESIGN. |
| 9 | NEW 200# SANITARY SERVICE C/W INSPECTION CHAMBER. WORK TO BE COMPLETED BY VICTORIA FORCES AT DEVELOPER'S EXPENSE. |

PERMIT TO PRACTICE

McElhanney Ltd.

PERMIT NUMBER: 1003299
Engineers and Geoscientists of BC

SEE ARCHITECTURAL AND LANDSCAPING, DRAWINGS FOR ADDITIONAL INFORMATION.

LEGAL PLAN AND TOPOGRAPHIC SURVEY PROVIDED BY POWELL & ASSOCIATES.

1:100 0 2 6m

NOVEMBER 7, 2023
**RESUBMISSION FOR
REZONING AND
DEVELOPMENT
PERMIT**

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NO.	DATE	BY	ISSUED	NO.	DATE	BY	REVISIONS
5	2023-11-07	NCD	RESUBMISSION FOR REZONING AND DEVELOPMENT PERMIT				
4	2023-08-29	NCD	RESUBMISSION FOR REZONING AND DEVELOPMENT PERMIT				
3	2021-06-09	NCD	ISSUED FOR REZONING				
2	2021-01-14	NCD	ISSUED FOR REZONING				
1	2020-09-29	NCD	ISSUED FOR REZONING				



McElhanney

500 - 3960 QUADRA STREET
VICTORIA, BC V8X 4A3
PH (250) 370-9221

SEAL

PROJECT:
1042 RICHARDSON STREET, VICTORIA, BC

TITLE:
PRELIMINARY CIVIL PLAN

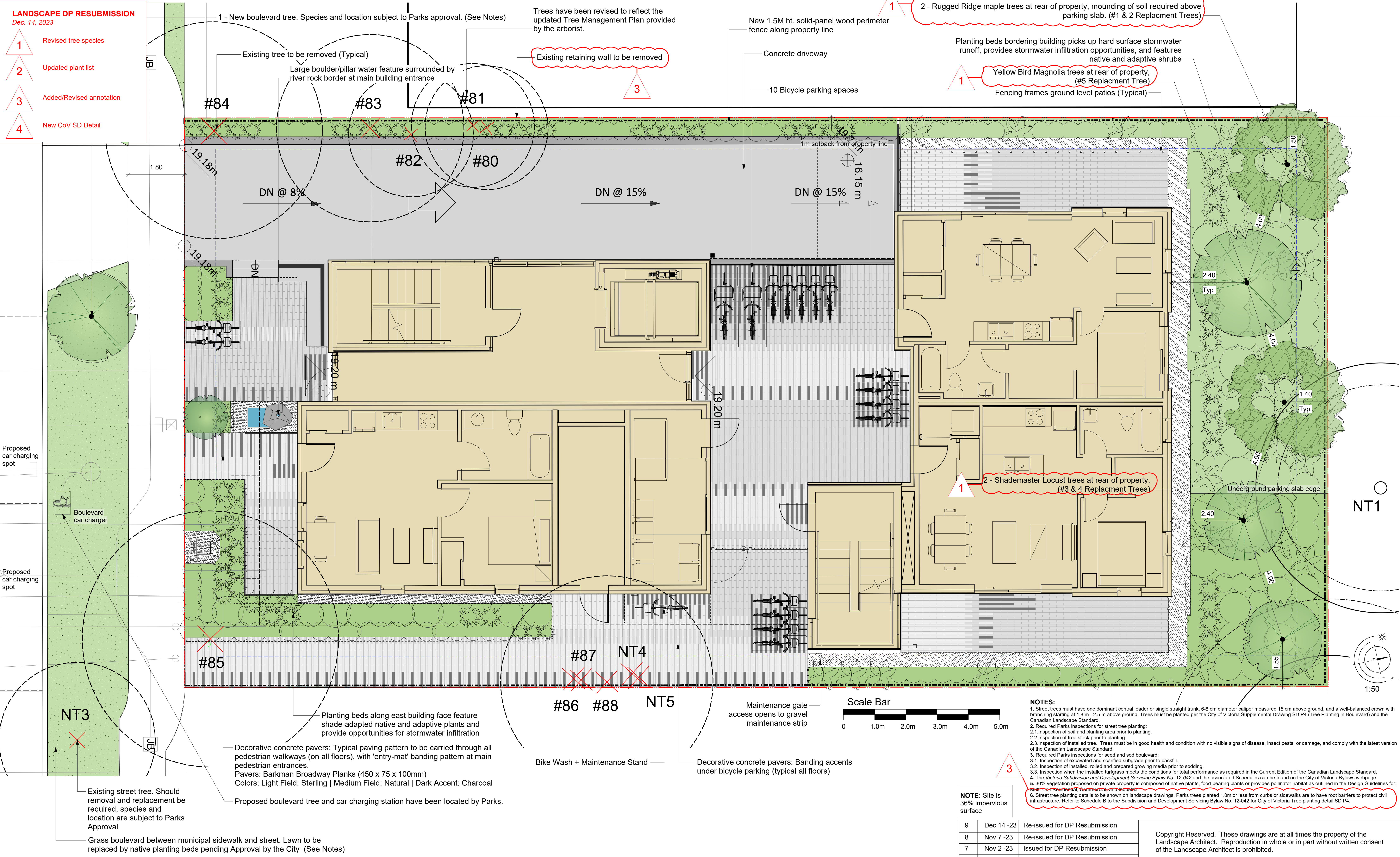
SCALE
HORIZ: 1:100 VERT: N/A

PROJECT NO.
20-083

ISSUED/REVISION
5

APPROVING AUTHORITY FILE NO.

DRAWING NO.
20-083-CSP



1042 Richardson Street | Landscape Concept Plan

NOTE: Site is 36% impervious surface

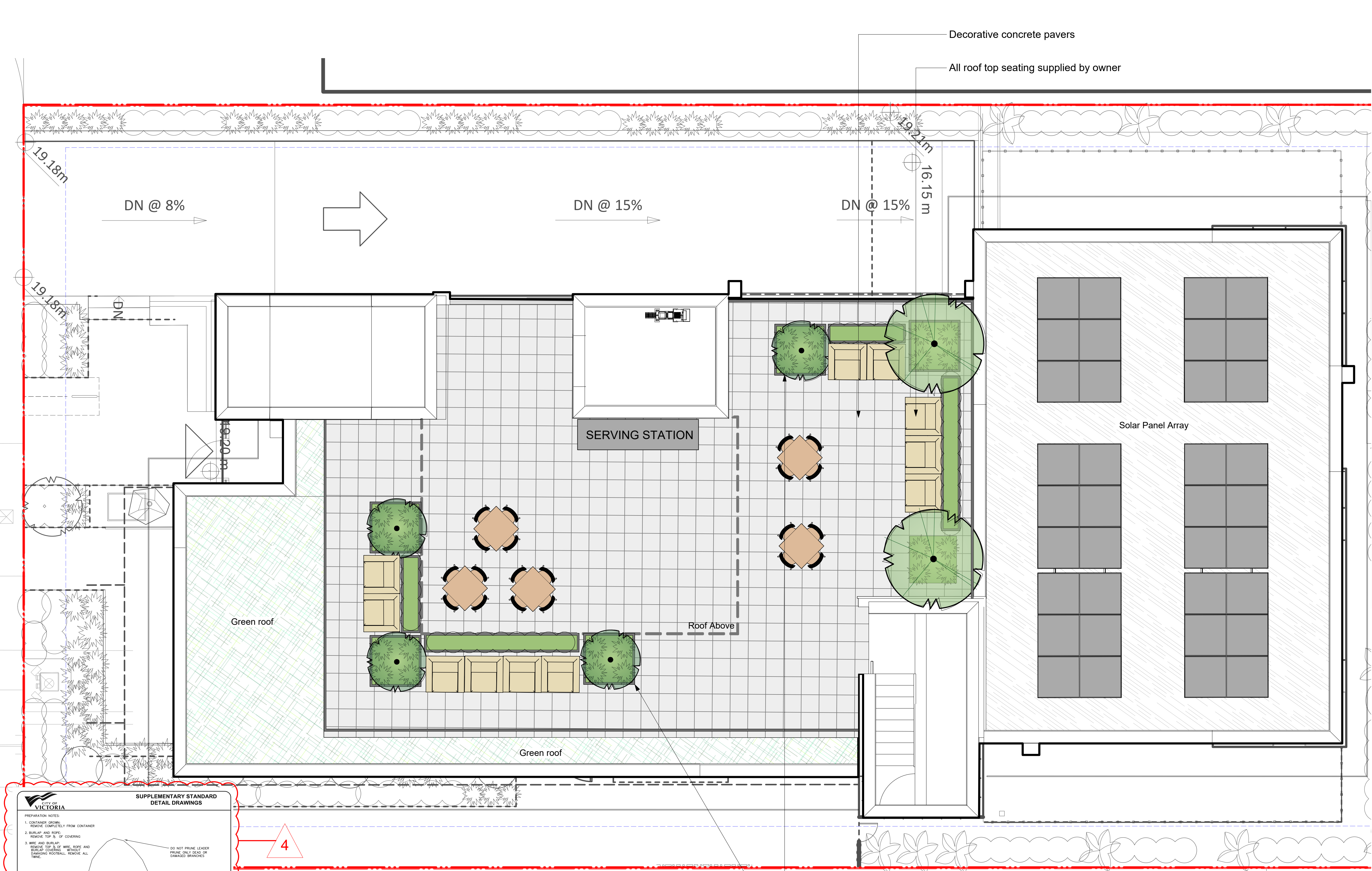
9	Dec 14 -23	Re-issued for DP Resubmission
8	Nov 7 -23	Re-issued for DP Resubmission
7	Nov 2 -23	Issued for DP Resubmission
6	Aug 25 -23	Issued for DP Resubmission
5	June 9 -21	DP Revisions
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2	Sept 30-20	Issued for Development Permit
1	Aug 6-20	Issued for Rezoning and DP

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LADR LANDSCAPE ARCHITECTS

Project No: 2041 Jul 31-20

#3-864 Queens Ave. Victoria B.C. V8T 1M5
Phone: (250) 598-0105 Fax: (250) 412-0696



Recommended Plant List

Trees

ID	Quantity	Botanical Name	Common Name	Size
AcMi	2	Acer miyabei	Rugged Ridge maple	6cm cal.
GITr	2	Gleditsia triacanthos 'Shademaster'	Shademaster Locust	6cm Cal.
MaAc	1	Magnolia accuminata 'Yellow Bird'	Yellow Bird Magnolia	6cm cal.
MaD	2	Magnolia 'Daybreak'	Daybreak Magnolia	6cm cal.

Large Shrubs

Total: 27

Botanical Name	Common Name	Size
Mahonia aquifolium	Tall Oregon Grape	#5 pot
Taxus x media 'Hicksii'	Hicks Yew	1.5m ht.

Medium Shrubs

Total: 48

Botanical Name	Common Name	Size
Azalea 'Snowbird'	Snowbird Azalea	#5 pot
Hydrangea macrophylla 'Lanarth White'	Lanarth White Hydrangea	#7 pot
Rhododendron 'Hino-crimson'	Evergreen Azalea	#5 pot
Rhododendron macrophyllum	Pacific Rhododendron	#5 pot

Small Shrubs

Total: 165

Botanical Name	Common Name	Size
Buxus 'Green Velvet'	Green Velvet Boxwood	#5 pot
Cornus stolonifera 'Kelsey'	Kelsey Dogwood	#1 pot
Mahonia nervosa	Low Oregon Grape	#1 pot
Nandina domestica 'Fire Power'	Fire Power Heavenly Bamboo	#1 pot

Perennials, Annuals and Ferns

Total: 140

Botanical Name	Common Name	Size
Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	#1 pot
Gaultheria shallon	Salal	#1 pot
Helictotrichon sempervirens	Blue Oat Grass	#1 pot
Pennisetum alopecuroides 'Hamein'	Dwarf Fountain Grass	#1 pot
Polystichum munium	Sword Fern	#1 pot

Vines

Total: 7

Botanical Name	Common Name	Size
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Notes:

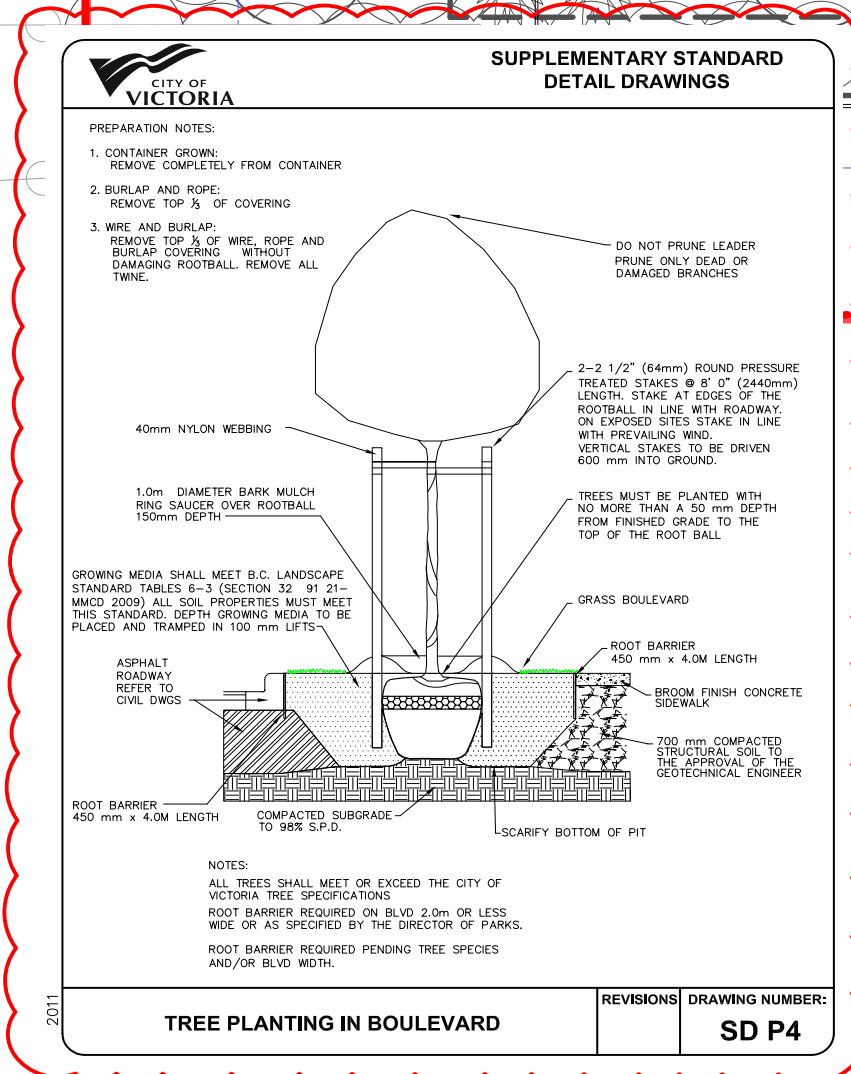
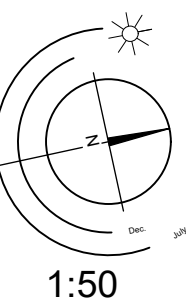
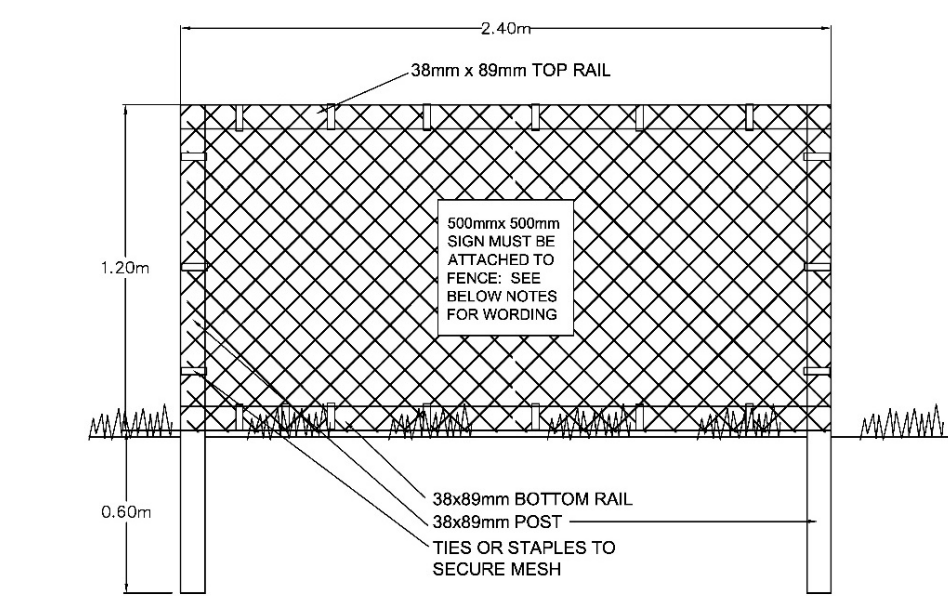
1. All work to be completed to current BCSLA Landscape Standards
2. All soft landscape to be irrigated with an automatic irrigation system
3. 30% vegetation proposed on private property is composed of native plants, food-bearing plants or provides pollinator habitat as outlined in the Design Guidelines for: Multi-Unit Residential, Commercial, and Industrial.

Note:

Replacement Trees On site: 6
Replacement Trees Off site: 1

TREE PROTECTION BARRIER REQUIREMENTS

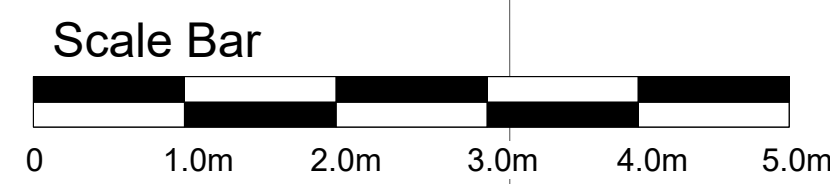
- 1 The requirements for tree protection barriers are as follows:
 - (a) The barrier must be placed around the outside of the protected root zone of the tree, or as approved by the Director; and
 - (b) The barrier must meet the following specifications:
 - (i) it must have a minimum height of 1.2 m,
 - (ii) 38 mm x 89 mm timbers must be used for vertical posts, top and bottom rails (in rocky areas, metal posts (T-bar or rebar) drilled into rock will be accepted), and cross-bracing (in an "X"),
 - (iii) spacing between vertical posts must be a maximum of 3.0 metres on center,
 - (iv) the structure must be sturdy with vertical posts driven firmly into the ground,
 - (v) there must be continuous plastic mesh high visibility screening (e.g. orange snow fencing), and
 - (vi) it must have visible all weather 500 mm x 500 mm signage on it with the wording "Warning – Tree Protection Area".
- 2 Below is an example showing an acceptable barrier:



LANDSCAPE DP RESUBMISSION Dec. 14, 2023

- 1 Revised tree species
- 2 Updated plant list
- 3 Added/Revised annotation
- 4 New CoV SD Detail

Freestanding planters support drought-tolerant native and adaptive shrubs, grasses and small trees, and create distinct seating rooms within the rooftop amenity space, allowing simultaneous use of the space by multiple small groups



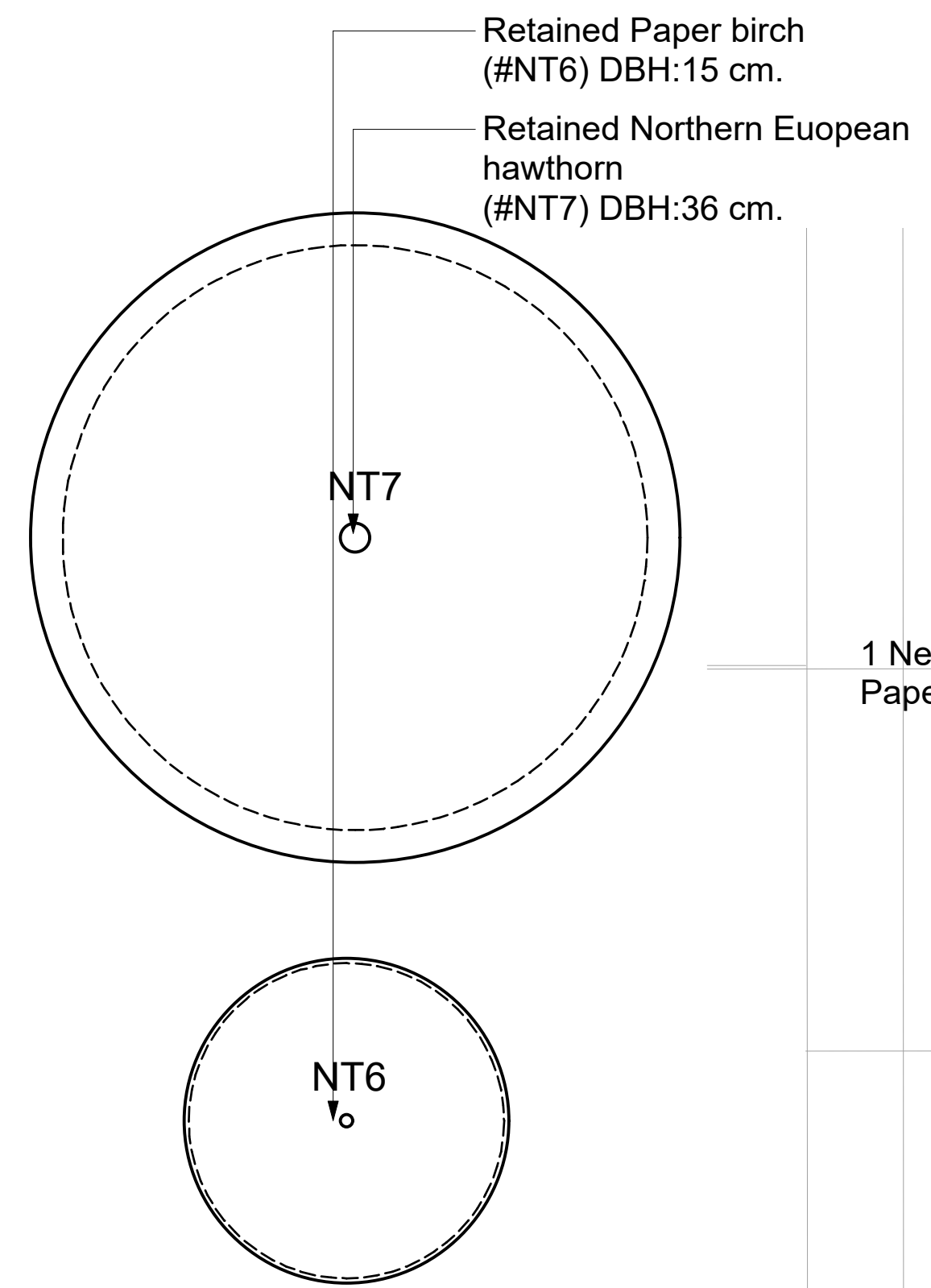
1042 Richardson Street | L6 Rooftop Concept Plan

9	Dec 14 -23	Re-issued for DP Resubmission
8	Nov 7 -23	Re-issued for DP Resubmission
7	Nov 2 -23	Issued for DP Resubmission
6	Aug 25 -23	Issued for DP Resubmission
5	June 9 -21	DP Revisions
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Project No: 2041 Jul 31-20

#3-864 Queens Ave. Victoria B.C. V8T 1M5
Phone: (250) 598-0105 Fax: (250) 412-0696



Tree preservation Summary			
	Count	Multiplier	Total
ONSITE Minimum replacement tree requirement			
A. Protected trees removed	2	X 1	A. 2
B. Replacement trees proposed per Schedule "E", Part 1	2	X 1	B. 2
C. Replacement trees proposed from Schedule "E", Part 2	0	X 0.5	C. 0
D. Replacement trees proposed per Schedule "E", Part 3	3	X 1	D. 3
E. Total replacement trees proposed (B+C+D) Round down to nearest whole number			E. 5
F. Onsite replacement tree deficit (A-E) Record 0 if negative number			F. 0
ONSITE Minimum trees per lot requirement (onsite trees)			
G. Tree minimum on lot			G. 3
H. Protected trees retained (other than specimen trees)	0	X 1	H. 0
I. Specimen trees retained	0	X 3	I. 0
J. Trees per lot deficit (G-(B+C+H+I) Record 0 if negative number			J. 1
OFFSITE Minimum replacement tree requirement (offsite trees)			
K. Protected trees removed	0	X 1	K. 0
L. Replacement trees proposed per Schedule "E", Part 1 or Part 3	0	X 1	L. 0
M. Replacement trees proposed from Schedule "E", Part 2	1	X 0.5	M. .5
N. Total replacement trees proposed (L+M) Round down to nearest whole number			N. 0
O. Offsite replacement tree deficit (K-N) Record 0 if negative number			O. 0
Cash-in-lieu requirement			
P. Onsite trees proposed for cash-in-lieu Enter F. or J., whichever is the greater number			P. 1
Q. Offsite trees proposed for cash-in-lieu Enter O.			Q. 0
R. Cash-in-lieu proposed ((P+Q) X \$2,000)			R. 2000

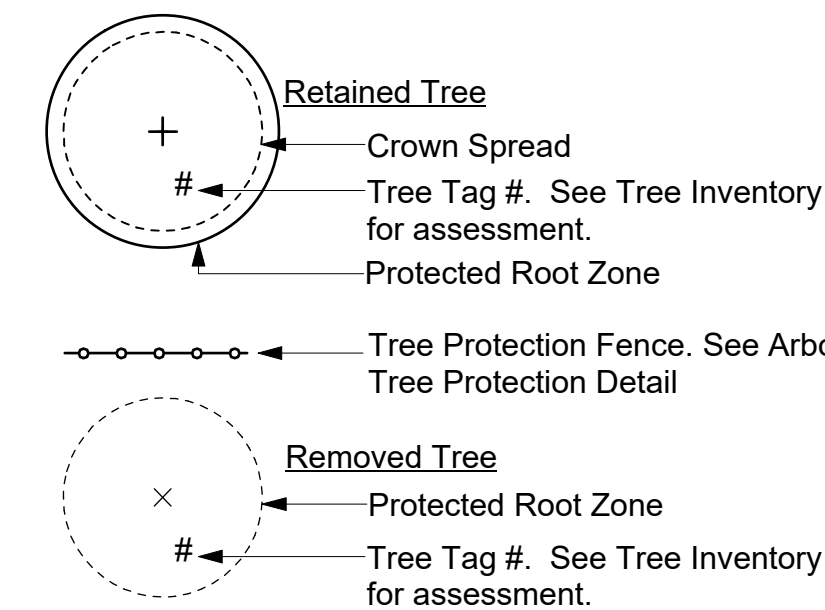
Two replacement trees as a condition of the previous tree permit (TP001966);

Tree inventory

Tag or ID#	Surveyed? (Yes/No)	Location (On, Off, Shared, City)	Bylaw protected? (Yes/No)	Name	Common	Botanical	DBH (cm)	Critical root zone radius (m)	Crown spread diameter (m)	Relative tolerance	Condition	Health	Structural	Retention Suitability (onsite trees)	General field observations/remarks	Tree retention / location comments	Retention status
79	Yes	On-site	Yes	Black locust	<i>Robinia pseudoacacia</i>	N/A	N/A	N/A	N/A	Good	N/A	N/A	N/A			Removed as per permit #001966.	N/A
80	Yes	On-site	No	English holly	<i>Ilex aquifolium</i>	16.8	2	3	C	Good	Good	Fair	Unsuitable	Asymmetric crown due to competition with #81	Conflict with proposed underground parking ramp.		X
81	Yes	On-site	No	European hawthorn	<i>Crataegus monogyna</i>	22	2	3	C	Good	Good	Fair	Unsuitable	Conflicting with Holly #80	Conflict with proposed underground parking ramp.		X
82	Yes	On-site	No	Plum	<i>Prunus spp.</i>	16.7	2.0	3	C	Moderate	Fair	Fair	Unsuitable		Conflict with proposed underground parking ramp.		X
83	Yes	On-site	No	English holly	<i>Ilex aquifolium</i>	19.18	2.9	4	C	Good	Fair	Fair	Unsuitable	One stem growing through fence	Conflict with proposed underground parking ramp.		X
84	Yes	On-site	Yes	English holly	<i>Ilex aquifolium</i>	22.11, 10	3.5	4	C	Good	Good	Fair	Unsuitable		Conflict with proposed underground parking ramp.		X
85	Yes	On-site	Yes	Norway spruce	<i>Picea abies</i>	34	4.1	5	C	Moderate	Fair	Good	Unsuitable	Some lower crown dieback, roots cracking existing retaining wall.	Conflict with proposed services & paver path.		X
86	Yes	On-site	No	Plum	<i>Prunus spp.</i>	14	1.7	4	C	Moderate	Good	Fair	Unsuitable	Pruned from hydro lines	Conflict with proposed paver path.		X
87	No	On-site	No	Plum	<i>Prunus spp.</i>	10	1.2	2	C	Moderate	Good	Fair	Unsuitable	Suppressed	Conflict with proposed paver path.		X

Tag or ID#	Surveyed? (Yes/No)	Location (On, Off, Shared, City)	Bylaw protected? (Yes/No)	Name	Common	Botanical	DBH (cm)	Critical root zone radius (m)	Crown spread diameter (m)	Relative tolerance	Condition	Health	Structural	Retention Suitability (onsite trees)	General field observations/remarks	Tree retention / location comments	Retention status
88	Yes	On-site	No	Plum	<i>Prunus spp.</i>	18.17	3.4	4	C	Moderate	Good	Fair	Unsuitable		Branches overhanging fence 1m. Measured at 1.3m from existing fence near PL	Conflict with proposed paver path.	X
NT1	No	Off-site	Yes	Japanese maple	<i>Acer palmatum</i>	14.13,10.6	3.3	8	C	Moderate	Good	Fair	N/A		Possible impacts from underground parking.		Retain*
NT2	Yes	Municipal	Municipal	European birch	<i>Betula pendula</i>	N/A	N/A	N/A	N/A	Poor	N/A	N/A	N/A		Removed.		N/A
NT3	Yes	Municipal	Municipal	Northern European hawthorn	<i>Crataegus oxyacantha</i>	N/A	N/A	N/A	N/A	Good	N/A	N/A	N/A		Removed.		N/A
NT4	Yes	On-site	No	Plum	<i>Prunus spp.</i>	5.3	0.8	2	C	Moderate	Fair	Poor	Unsuitable		Decay at base	Conflict with proposed paver path.	X
NT5	Yes	On-site	No	Plum	<i>Prunus spp.</i>	7	0.8	2	C	Moderate	Fair	Fair	Unsuitable			Conflict with proposed paver path.	X
NT6	Yes	Municipal	Municipal	Paper birch	<i>Betula papyrifera</i>	15	2	4	C	Poor	Good	Fair	N/A		Hydro clearance pruning, commercial stems with included bark, surface rooted next to sidewalk.	Municipal tree (DOB: 15880)	Retain*
NT7	Yes	Municipal	Municipal	Northern European hawthorn	<i>Crataegus oxyacantha</i>	36	3.6	8	C	Good	Good	Fair-good	N/A		Scaffold limb damage.	Municipal tree (DOB: 15880)	Retain*
NT8	No	Off-site	Yes	Douglas-fir	<i>Pseudotsuga municipal</i>	-35	5.3	7	C	Good	Fair	Fair	N/A		Surface roots - 2.5m from PL (1.5m from fence).	Possible impacts from fence installation, cut-slope.	Retain*

Existing Trees Legend:



NOTE
3 Trees are required by the Tree Protection Bylaw.
6.0 Trees are proposed (limited due to site space constraints)

NOTE: Site is 36% impervious surface

9	Dec 14 -23	Re-issued for DP Resubmission
8	Nov 7 -23	Re-issued for DP Resubmission
7	Nov 2 -23	Issued for DP Resubmission
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LANDSCAPE DP RESUBMISSION Dec. 14, 2023

- Revised tree species
- Updated plant list
- Added/Revised annotation
- New CoV SD Detail

Replacement tree #1:
Rugged Ridge maple
(Sch.E - Part D: Medium Tree I 15cu.m)

Replacement tree #5: Yellow Bird Magnolia
(Sch.E - Part 3: Medium Tree I 15cu.m)

Planting Area #3:
45 cu.m. at 0.7m depth

Replacement tree #2:
Rugged Ridge maple
(Sch.E - Part 3: Medium Tree I 15cu.m)

Retained Japanese Maple
(#NT1) DBH:14,13,10,6 cm.

Replacement tree #4:
Shademaster Locust
(Sch.E - Part 1: Medium Tree I 15cu.m)

Planting Area #2:
30.00 cu.m. at 1m depth

Replacement tree #3:
Shademaster Locust
(Sch.E - Part 1: Medium Tree I 15cu.m)

Retained Douglas Fir
(#NT8) DBH:35 cm.

Soil VolumeTable

Planting Area ID	Area (M2)	Soil Volume multiplier*	Estimated Soil Volume	Replacement Trees Proposed				Soil Volume Required (m3)			
				# Small	# Medium	# Large		Small	Medium	Large	Total **
A1	35.70	1.00	35.70	1.0			Onsite		8.00		8.00
A2	30.00	1.00	30.00		2.0				30.00		30.00
A3	64.20	0.70	44.94				Offsite (Excluding City Property)		45.00		45.00
Planting Area OSA X											
Offsite (Excluding City Property)											
Calculation				E = 1.0 x 8.00 + 2.0 x 30.00 + 0.0 x 45.00 = 80.00				F = 1.0 x 8.00 + 2.0 x 30.00 + 0.0 x 45.00 = 80.00			
				TOTAL				E + F = 80.00 + 80.00 = 160.00			

* On ground (excluding exposed bedrock) use 1. On structure: use depth of soil. On soil cells: use 0.92. On structural soil: use 0.2
** Total must not exceed A. If Total exceeds A, then the number or size of proposed replacement trees must be reduced.

- NOTES:
- Street trees must have one dominant central leader or single straight trunk, 6-8 cm diameter caliper measured 15 cm above ground, and a well-balanced crown with branching starting at 1.8 m - 2.5 m above ground. Trees must be planted per the City of Victoria Supplemental Drawing SD P4 (Tree Planting in Boulevard) and the Canadian Landscape Standard.
 - Required Parks inspections for street tree planting:
2.1. Inspection of soil and planting area prior to planting.
2.2. Inspection of tree stock prior to planting.
2.3. Inspection of installed tree. Trees must be in good health and condition with no visible signs of disease, insect pests, or damage, and comply with the latest version of the Canadian Landscape Standard.
 - Required Parks inspections for seed and sod boulevard:
3.1. Inspection of excavated and scarified subgrade prior to backfill.
3.2. Inspection of installed, rolled and prepared growing media prior to sodding.
3.3. Inspection when the installed turfgrass meets the conditions for total performance as required in the Current Edition of the Canadian Landscape Standard.
 - The Victoria Subdivision and Development Servicing Bylaw No. 12-042 and the associated Schedules can be found on the City of Victoria Bylaws webpage.
 - 30% vegetation proposed on private property is composed of native plants, food-bearing plants or provides pollinator habitat as outlined in the Design Guidelines for Multi-Unit Residential, Commercial, and Industrial

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