633 BELTON AVENUE

APPLICATION FOR REZONING & DEVELOPMENT PERMIT

Sheet List

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CONTEXT MAP

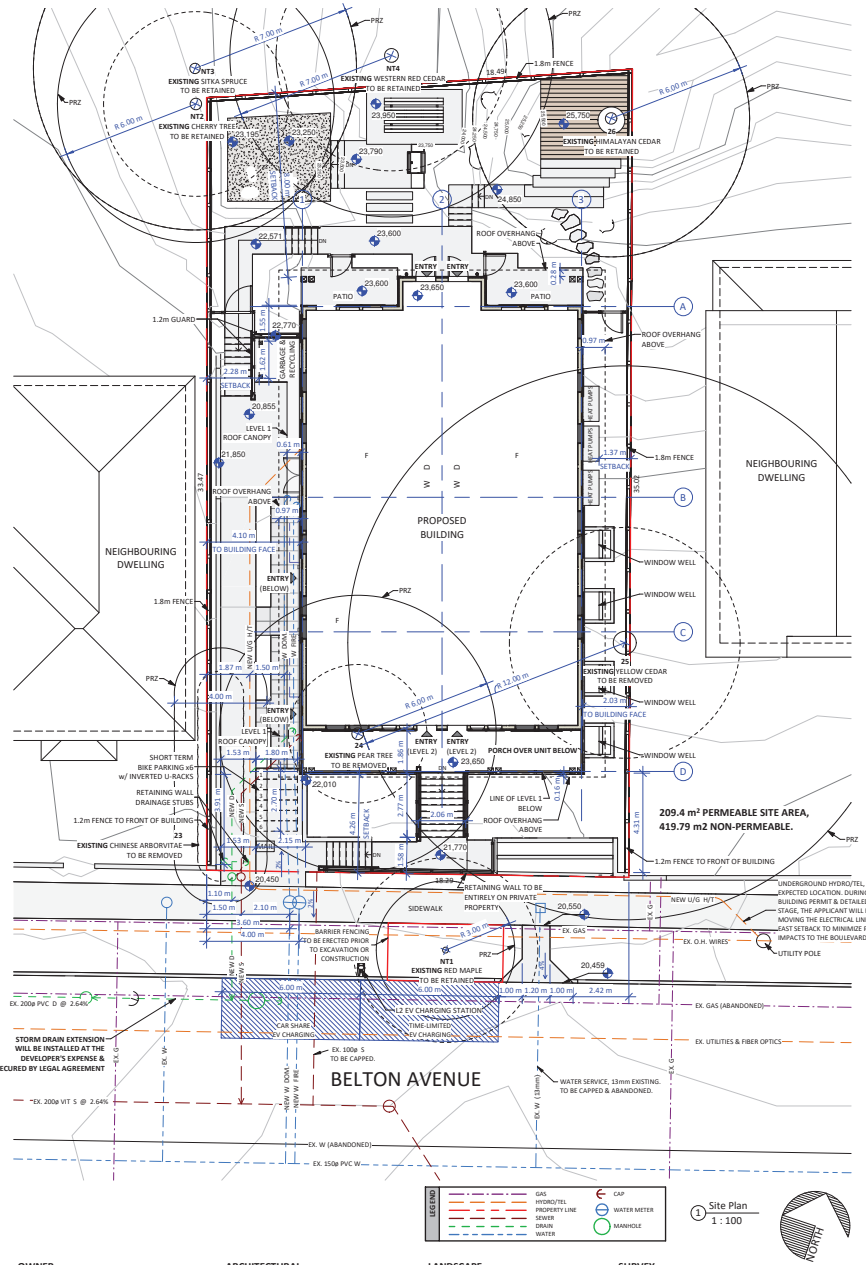
GENERAL PROPERTY INFORMATION	
PROJECT DESCRIPTION	A MIDDLE HOUSING DEVELOPMENT IN VIC WEST FEATURING 6 FAMILY SIZED UNITS. A LARGE REAR YARD ENCOURAGES NEIGHBOURS TO FORM A COMMUNITY AND FOR CHILDREN TO PLAY. A FOCUS ON BICYCLE AMENITIES RATHER THAN CARS SUPPORTS SUSTAINABLE LIFESTYLES.
CIVIC ADDRESS	633 BELTON AVENUE
LEGAL DESCRIPTION	LOT 7, SECTION 10, ESQUIMALT DISTRICT, PLAN 280.
PROPERTY IDENTIFICATION NUMBER (P.I.D.)	001-566-229
AUTHORITY HAVING JURISDICTION	THE CITY OF VICTORIA
APPLICABLE BUILDING CODE	BRITISH COLUMBIA BUILDING CODE, 2018 EDITION, INCLUDING ALL AMENDMENTS

PROJECT INFORMATION TABLE		
	Proposed	
Zone	SITE SPECIFIC PROPOSED (R1-B existing zoning)	
Site Area	629.19 m² 209.4 m² PERMEABLE SITE AREA, 419.79 m2 NON-PERMEABLE.	
Total Floor Area [1]	427.30m²	
Commercial Floor Area	N/A	
Floor Space Ratio	0.68 : 1	
Site Coverage % [4]	43%	
Open Site Space % [4]	50%	
Height of Building [2]	8.08m	
Storeys #	2 storeys - lowest level qualifies as basement.	
Parking Stalls #	1.45 per unit (>70m²) x6 = 9 Visitor = 0.1 per unit x6 = 1 10 total	0 spaces provided
Bicycle Parking #	1.25 Long Term per Unit x6 = 8 6 Short Term per Building	21 Long Term Spaces provided - includes 7 cargo bike spaces 6 Short Term Spaces provided
Building Setbacks	Proposed	
Front Yard (South)	4.26m	
Rear Yard (North)	8.00m	
Side Yard (West)	2.28m (4.1m to building face)	
Side Yard (East)	1.37m (2.03m to building face)	
Side Yards Combined	6.12m	
Residential Use Details		
Total Number of Units	6	
Unit Type Breakdown	2 two bedroom units and 4 three bedroom units	
Ground Oriented Units	2 Adaptable residential units	
Minimum Unit Floor Area[3]	70.68m²	
Total Residential Floor Area[3]	575.11m²	

[1] Lowest level ceiling less than 1.2m from avg. grade and qualifies as basement and therefore not included. Measurements for area to inside face of exterior walls.
[2] Refer to A1.00 for average grade calculations and A3.00 for height measurements.
[3] Measurements for Unit Floor area are to centerline of exterior walls per the BC Strata Act.
[4] Refer to A1.00 for site coverage & open site space diagram.

FLOOR AREA - ZONING	
Name	Area
Level 2	215.65 m²
Level 3	211.58 m²
	427.23 m²

NOTE:
ZONING FLOOR AREA MEASURED TO INSIDE FACE OF EXTERIOR WALLS.



1 Site Plan
1 : 100

OWNER	ARCHITECTURAL	LANDSCAPE	SURVEY
Urban Thrive Developments Inc.	**Christine Lintott Architects Inc.**	**BIOPHILIA design collective ltd.**	**Summit Land Surveying**
julian@urbanthrive.ca	Unit 1 - 864 Queens Avenue	1608 Camosun St	101 - 630 Goldstream Ave.
www.UrbanThrive.ca	Victoria BC, V8T 1M5	Victoria BC, V8T 3E6	Victoria BC, V9B 2W8
250 896 4667	250 384 1969	250 589 8244	250 391 6708
Contact: Julian West	Contact: Christine Lintott	Contact: Bianca Bodley	Contact: Jason Kozina

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Issue	Date
FOR DEVELOPMENT PERMIT	2022-02-07

Revision

No.	Description	Date
1	PERMEABLE SITE AREA	2022-05-17
2	RETAINING WALL ON PRIVATE PROPERTY	2022-05-17
3	CRZ TO PRZ	2022-05-17
4	TREE IDENTITIES & OUTLINES CLARIFIED	2022-05-17
5	HEAT PUMP LOCATIONS SHOWN	2022-05-17
7	HEIGHT INCREASED	2022-05-17
9	SITE COVERAGE & OPEN SITE SPACE CONFIRMED	2022-05-17
10	STORM DRAIN EXTENSION NOTE	2022-05-17
11	BICYCLE RACKS NOTED	2022-05-17
12	HYDRO LOCATION NOTE	2022-05-17
13	RELOCATED RAMP & REVISED STREET PARKING	2022-05-17
14	PORCH & STEP PROJECTION DIMENSIONS	2022-05-17
15	CLARIFIED WEST SETBACK	2022-05-17
16	FENCE HEIGHTS INDICATED	2022-05-17
17	EAST SETBACK & DIMENSION TO BUILDING FACE	2022-05-17

Consultant

633 Belton Avenue

633 Belton Avenue

Site Plan & Project Info

Date	2022-05-17 10:49:46 AM
Drawn by	CC
Checked by	CL

A0.00

Scale: As indicated

Building Code Analysis

NO.	ITEM	DESCRIPTION	REFERENCE(S)
GENERAL INFORMATION			**BCBC**
1	PROJECT TYPE	[■] NEW CONSTRUCTION [ ] ADDITION [ ] RENO. [ ] TENANT IMPROVEMENT	-
2	GOVERNING BUILDING CODE	BRITISH COLUMBIA BUILDING CODE, 2018, INCLUDING ALL AMENDMENTS	-
3	BUILDING CODE PARTS APPLICABLE	PART: 1 2 3 4 5 6 7 8 9 10 DIVISION: A [■] [■] [■]; B [—] [ ] [ ] [ ] [■] [■] [■] [■]; C [■] [■]	DIV A - 1.3.2., 1.3.3., 1.3.4.
4	OCCUPANCY CLASSIFICATION	[■] C [ ] D [ ] E [ ] F2 [ ] F3	9.10.2.1.
5	MULTIPLE MAJOR OCCUPANCIES	[ ] YES [■] NO	9.10.2.5.
6	FIREWALL(S)	[ ] YES [■] NO	9.10.11.
7	OCCUPANT LOAD	32 TOTAL (ALL STOREYS)	9.9.1.3.
		DWELLING UNIT / OCCUPANCY / BEDROOMS / OCCUPANTS 1A / GROUP C / 2 / 4 1B / GROUP C / 2 / 4 2A / GROUP C / 3 / 6 2B / GROUP C / 3 / 6 3A / GROUP C / 3 / 6 3B / GROUP C / 3 / 6	
8	BUILDING AREA (m^2)	≤ 600 REQUIRED 251 PROPOSED	DIV. A - 1.3.3.3., 1.4.1.2.
9	GRADE ELEVATION (m, GEODETIC)	20.70 [1] [1] LOWEST AVERAGE GRADE GOVERNS	1.4.1.2.
10	BUILDING HEIGHT (STOREYS)	3 [1] [1] "FIRST STOREY", PER DEFINITION	1.4.1.2., 9.10.4.
11	NUMBER OF STREETS FACING	1	1.4.1.2.
12	FIRE ALARM & DETECTION SYSTEM	[ ] REQUIRED [■] PROPOSED [ ] N/A	9.10.18.2.
13	AUTOMATIC SPRINKLER SYSTEM	[ ] REQUIRED [■] PROPOSED [ ] N/A	
14	MEZZANINE(S)	[ ] YES [■] NO	9.10.4.1.
15	INTERCONNECTED FLOOR SPACE	[ ] YES [■] NO	9.10.9.5.
16	CONSTRUCTION TYPE(S)	COMBUSTIBLE: [■] PERMITTED [■] PROPOSED [ ] N/A NON-COMBUSTIBLE: [■] PERMITTED [ ] PROPOSED [ ] N/A	9.10.6.
17	ASSEMBLY FIRE-RESISTANCE RATINGS (F.R.R., IN HOURS)	MINIMUM RATING (LOADBEARING ELEMENTS TO HAVE SAME F.R.R. AS SUPPORTED ASSEMBLY): 3/4 FLOORS[1] 3/4 MEZZANINE 3/4 ROOF [1] EXCEPT FLOORS OVER CRAWLSPACES	9.10.8.
DESIGN OF AREAS AND SPACES			**9.5.**
18	ACCESS FOR PERSONS WITH DISABILITIES	[ ] REQUIRED [ ] PROPOSED [■] N/A	9.5.2.1., 3.8.2.1.
19	CEILING HEIGHTS (mm)	≥ 2100 REQUIRED	9.5.3.1.
20	HALLWAY WIDTHS *[WITHIN A DWELLING UNIT]* (mm)	≥ 860 REQUIRED	9.5.4.1.
21	DOORWAY SIZES (mm)	HEIGHT: ≥ 1980 REQUIRED, TYPICAL ≥ 2030 PUBLIC W.C. ROOMS WIDTH, ENTRY/BEDROOM/STAIRS/UTILITY/PUBLIC WATER-CLOSET ROOMS: ≥ 810 REQUIRED WIDTH, EXTERIOR BALCONIES: ≥ 760 REQUIRED WIDTH, BATHROOM/CLOSET/HALLWAY: ≥ 610 REQUIRED [1] [1] AT LEAST ONE DOOR BATHROOM ≥ 760	9.5.5.
WINDOWS, DOORS AND SKYLIGHTS			**9.7.**
22	DWELLING UNIT ENTRANCE DOORS	DOOR VIEWER OR TRANSPARENT GLAZING: [■] REQUIRED	9.7.2.1.
23	PERFORMANCE OF WINDOWS, DOORS AND SKYLIGHTS	COMPLIANCE WITH EITHER PART 5 OR 9.7.3.3.: [■] REQUIRED THERMALLY BROKEN METAL FRAMES AND SASHES, UNLESS F.R.R. REQUIRED: [■] REQUIRED	9.7.3.
24	DESIGN AND CONSTRUCTION *[OF WINDOWS, DOORS AND SKYLIGHTS]*	CONFORM TO "AAMA/WDMA/CSA-101/I.S.2/A440-11" (NAFS STANDARD) AND, "A440S1-2017" (CANADIAN SUPPLEMENT): [■] REQUIRED	9.7.4.
25	RESISTANCE TO FORCED ENTRY FOR SWINGING *[DWELLING UNIT]* DOORS	WHERE WOOD, ≥ 45mm THICK, SOLID OR 19mm STILE AND RAIL TYPE: [■] REQUIRED 2-PIN DEADBOLT LOCK AND BOLT THROW ≥ 25mm, WITH STRIKE PLATES CONFORMING TO 9.7.5.2.(3): [■] REQUIRED HINGE FASTENING CONFORMING TO 9.7.5.2.(6): [■] REQUIRED SOLID BLOCKING ON BOTH SIDES AT LOCK HEIGHT: [■] REQUIRED	9.7.5.2.
26	RESISTANCE TO FORCED ENTRY FOR *[RESIDENTIAL]* WINDOWS	WITHIN 2m OF ADJACENT GROUND, FORCED ENTRY WINDOW PROTECTION PER CLAUSE 9.8.6. OF "AAMA/WDMA/CSA-101/I.S.2/A440-11" (NAFS STANDARD): [■] REQUIRED	9.7.5.3.
STAIRS, RAMPS, HANDRAILS AND GUARDS			**9.8.**
27	STAIR WIDTH (mm)	EXIT OR PUBLIC STAIRS: ≥ 900 REQUIRED SERVING A SINGLE DWELLING UNIT: ≥ 860 REQUIRED	9.8.2.1.
28	HEIGHT OVER STAIRS AND LANDINGS (mm)	TYPICAL: ≥ 2050 REQUIRED SERVING A SINGLE DWELLING UNIT: ≥ 1950 REQUIRED	9.8.2.2., 9.8.6.4.
29	STEP DIMENSIONS (mm)	RISE, PUBLIC STAIR: 125 - 180 REQUIRED RISE, PRIVATE STAIR: 125 - 200 REQUIRED RUN, PUBLIC STAIR: ≥ 280 REQUIRED RUN, PRIVATE STAIR: 255 - 355 REQUIRED	9.8.4.1., 9.8.4.2.
30	TREAD NOSINGS (mm)	TYPICAL RADIUS: 6 - 14 REQUIRED REQUIENT TREAD RADIUS: ≥ 3 REQUIRED	9.8.4.8.
31	TACTILE WARNING STRIPS[1]	SURFACE INDICATORS AT TOP OF STAIR FLIGHTS PER 3.8.3.: [ ] REQUIRED[2] [ ] PROPOSED [■] N/A [1] NOT REQUIRED AT STAIRS SERVING ≤ 2 DWELLING UNITS OR EXIT STAIRS NOT USED FOR ACCESS	9.8.6.5.
32	RAMPS	[ ] REQUIRED [ ] PROPOSED [■] N/A	9.8.5.
33	LANDINGS (mm)	WIDTH, PUBLIC STAIR: ≥ 900 REQUIRED WIDTH, PRIVATE STAIR: ≥ 860 REQUIRED LENGTH, PUBLIC STAIR: ≥ 900 REQUIRED LENGTH, PRIVATE STAIR: ≥ 860 REQUIRED	9.8.6.3., 9.8.2.1.

NO.	ITEM	DESCRIPTION	REFERENCE(S)
34	HANDRAILS	NO. SIDES, INT. STAIRS: ≥ 1 REQUIRED NO. SIDES, EXT. STAIRS: ≥ 1 REQUIRED CONTINUITY ON ONE SIDE, EXCEPT AT DOORWAYS AND LANDINGS: [■] REQUIRED [■] PROPOSED HORIZONTAL EXTENSIONS ≥ 300mm, TOP AND BOTTOM, EXCEPT WHERE SERVING ONLY ONE DWELLING UNIT: [■] REQUIRED [■] PROPOSED [ ] N/A HEIGHT (mm): 865 - 1070 REQUIRED CLEARANCE TO WALL BEHIND (mm): ≥ 50 TYPICAL ≥ 60 ROUGH SURFACE PROJECTION INTO REQUIRED WIDTH (mm): ≤ 100 REQUIRED	9.8.7.
35	GUARDS	AT ELEVATION CHANGES > 600 mm, OR ADJACENT SURFACE WITHIN 1.2m SLOPES > 1 IN 2: [■] REQUIRED [■] PROPOSED [ ] N/A RESISTANCE TO LOADING PER TABLE 9.8.8.2.: [■] REQUIRED [■] PROPOSED [ ] N/A HEIGHT, PUBLIC GUARDS (mm): ≥ 1070 HEIGHT, WITHIN OR SERVING ONLY ONE DWELLING UNIT (mm): ≥ 900 MAXIMUM OPENING (mm): ≤ 100 Ø NON-CLIMBABLE FROM 140-900mm, WHERE FALL > 4.2 m: [■] REQUIRED [■] PROPOSED [ ] N/A	9.8.8.
MEANS OF EGRESS			**9.9.**
36	EXIT WIDTH (mm)	≥ 900 REQUIRED [1] EXCEPT FOR DOORS & CORRIDORS	9.9.3.2.
37	WIDTH OF CORRIDORS (mm)	≥ 1100 REQUIRED [1] NOT APPLICABLE TO THIS PROJECT	9.9.3.3.
38	CLEAR HEIGHT IN EXITS AND ACCESS TO EXITS (mm)	≥ 2100 REQUIRED	9.9.3.4.
39	FIRE SEPARATIONS FOR EXITS (F.R.R., IN HOURS)	1[1] REQUIRED 1 PROPOSED [1] NO REQUIREMENT FOR EXITS SERVING ONLY ONE DWELLING UNIT, OR TO EXTERIOR PASSAGEWAYS ≥ 50% OPEN SIDES, WITH EXIT STAIR EACH END.	9.9.4.1., 9.9.4.2.
40	OPENINGS NEAR UNENCLOSED EXTERIOR EXIT STAIRS AND RAMPS	PROTECT WITH WIRED GLASS IN STEEL FRAMES OR GLASS BLOCK: [■] REQUIRED[1] [ ] PROPOSED [ ] N/A [1] WHERE SERVING AS ONLY MEANS OF EGRESS FROM SUITE AND EXPOSED TO FIRE FROM OPENINGS IN EXTERIOR WALL OF ANOTHER FIRE COMPARTMENT OR DWELLING UNIT, PROTECT OPENINGS WHERE < 3m HORIZONTALLY AND < 10m BELOW OR < 5m ABOVE STAIR OR RAMP. * ALTERNATIVE SOLUTION PROPOSED AT NORTH & WEST ELEVATIONS. SPRINKLER PROTECTION OF OPENINGS WILL BE PROVIDED.	9.9.4.4.
41	OPENINGS IN EXTERIOR WALLS OF EXITS	PROTECT WITH WIRED GLASS IN STEEL FRAMES OR GLASS BLOCK: [■] REQUIRED[1] [ ] PROPOSED [■] N/A [1] WHERE OPENINGS IN EXTERIOR WALLS INTERSECT AT < 135° AND LOCATED < 3m HORIZONTALLY AND < 2m ABOVE ONE ANOTHER, PROTECT EITHER OPENINGS IN EXIT OR WALLS ADJACENT EXIT.	9.9.4.5.
42	OPENINGS NEAR EXIT DOORS	PROTECT WITH WIRED GLASS IN STEEL FRAMES OR GLASS BLOCK: [■] REQUIRED[1] [ ] PROPOSED [■] N/A [1] WHERE OPENINGS IN EXTERIOR WALLS OF ONE FIRE COMPARTMENT INTERSECT AT < 135° AND LOCATED < 3m HORIZONTALLY FROM EXTERIOR EXIT DOOR, PROTECT OPENINGS IN EXTERIOR WALLS.	9.9.4.6.
43	SERVICE ROOMS	SERVICE ROOMS UNDER EXITS MAY NOT CONTAIN EQUIPMENT SUBJECT TO POSSIBLE EXPLOSION: [■] REQUIRED [ ] PROPOSED [■] N/A	9.9.5.8.
44	OBSTRUCTIONS BY DOORS *[IN EXITS AND PUBLIC CORRIDORS, NOT SERVING A SINGLE DWELLING]* (mm)	PERMITTED OBSTRUCTION BY DOORS WHEN FULLY OPEN: ≤ 100 EXIT CORRIDORS ≤ 50 OTHER EXIT FACILITIES MINIMUM CLEAR EXIT WIDTH WHEN DOORS FULLY OPEN: REQUIRED MINIMUM CLEAR EXIT STAIR WIDTH WHEN DOORS FULLY OPEN: ≥ 750 REQUIRED [1] NOT APPLICABLE TO THIS PROJECT	9.9.6.1.
45	CLEAR HEIGHT AT DOORWAYS *[NOT SERVING A SINGLE DWELLING]* (mm)	TYPICAL: ≥ 2030 REQUIRED BELOW CLOSERS: ≥ 1980 REQUIRED [1] NOT APPLICABLE TO THIS PROJECT	9.9.6.2.
46	CLEAR WIDTH AT DOORWAYS *[NOT SERVING A SINGLE DWELLING]* (mm)	≥ 800 REQUIRED [1] NOT APPLICABLE TO THIS PROJECT	9.9.6.3.
47	EXIT AND DWELLING UNIT DOORS	OPERABLE FROM INSIDE WITHOUT KEYS, SPECIAL DEVICES OR KNOWLEDGE: [■] REQUIRED [■] PROPOSED [ ] N/A EXCEPT AT DWELLING UNIT DOORS, OPERABLE WITH ONE HAND IN ONE RELEASING OPERATION: [■] REQUIRED [■] PROPOSED [ ] N/A HARDWARE INSTALL HEIGHT ≤ 1200 mm: [■] REQUIRED [■] PROPOSED [ ] N/A MAXIMUM 90N OPERABLE FORCE: [■] REQUIRED [■] PROPOSED [ ] N/A	9.9.6.7.
48	EGRESS FROM ROOF TERRACES	ACCESS TO EXIT: [■] REQUIRED [ ] PROPOSED [■] N/A ≥ 2 MEANS OF EGRESS WHERE > 60 OCCUPANTS: [■] REQUIRED [ ] PROPOSED [■] N/A	9.9.7.1.
49	EGRESS FROM SUITES	FOR EACH SUITE, DOORWAY TO EXTERIOR EXIT OR PUBLIC CORRIDOR OR EXTERIOR PASSAGEWAY: [■] REQUIRED [■] PROPOSED [ ] N/A AT DOORWAYS TO PUBLIC CORRIDOR OR EXTERIOR PASSAGEWAY, EXITS IN TWO DIRECTIONS: [■] REQUIRED [ ] PROPOSED [■] N/A	9.9.7.2., 9.9.9.3.(1), 9.9.7.3.(1), 9.9.8.2.(2)
50	DEAD END CORRIDORS	≤ 6 m REQUIRED[1] N/A PROPOSED [1] EXCEPT WITHIN A SUITE	9.9.7.3.
51	NUMBER AND SPACING OF EGRESS DOORS	EGRESS DOORS: 1 REQUIRED[1] 1 PROPOSED[1] [1] ONLY 1 EXIT REQUIRED FOR DWELLING UNITS	TABLE 9.9.7.4.
52	TRAVEL DISTANCE *[WITHIN SUITES]*	N/A REQUIRED[1] N/A PROPOSED [1] DWELLING UNITS EXEMPT	9.9.7.6., 9.9.8.1., 9.9.8.2.
53	LOCATION OF EXITS	WHERE > 1 EXIT REQUIRED, EXITS TO BE INDEPENDENT AND REMOTE FROM EACH OTHER: [■] REQUIRED [ ] PROPOSED [■] N/A	9.9.8.4.
54	EXITING THROUGH A LOBBY	NUMBER OF EXITS THROUGH A LOBBY, FROM FLOOR ABOVE OR BELOW FIRST STOREY: ≤1 PERMITTED 0 PROPOSED [■] N/A	9.9.8.5.

NO.	ITEM	DESCRIPTION	REFERENCE(S)
55	MEZZANINE MEANS OF EGRESS	MEANS OF EGRESS LEADING TO EXITS ON SAME BASE AS FLOOR AREA: [ ] REQUIRED [ ] PROPOSED [■] N/A WHERE NO FIRE SEPARATION REQUIRED BY 9.10.12.1.(2), LEADING THROUGH MEZZANINE ROOM: ≤1 PERMITTED [ ] PROPOSED [■] N/A MAXIMUM TRAVEL DISTANCE WITHIN MEZZANINE (m): 10 PERMITTED [ ] PROPOSED [■] N/A	9.9.8.6., 9.10.12.1.(2), 9.9.7.4.
56	TRAVEL LIMIT TO EXITS OR EGRESS DOORS *[FROM DWELLING UNITS]*	WHERE > 1 STOREY, EXITS LOCATED SUCH THAT TRAVEL UP/DOWN ≥ 1 STOREY TO CORRIDOR, PASSAGEWAY, EXIT STAIR, OR DOORWAY ≤ 1.5 m ABOVE GRADE: [ ] REQUIRED [ ] PROPOSED [■] N/A TRAVEL LIMIT > 1 STOREY WHERE DIRECT ACCESS TO BALCONY PROVIDED: [■] PERMITTED [■] PROPOSED [ ] N/A	9.9.9.1.
57	TWO SEPARATE EXITS *[FROM DWELLING UNITS]*	EGRESS IN TWO DIRECTIONS FROM EGRESS DOOR AT CORRIDOR/PASSAGEWAY: [ ] REQUIRED [ ] PROPOSED [■] N/A	9.9.9.2.
58	SHARED EGRESS FACILITIES *[FROM DWELLING UNITS]*	SECOND MEANS OF EGRESS WHERE FIRST OPENS ONTO EXIT STAIR/WAY SERVING MORE THAN 1 SUITE: [ ] REQUIRED [ ] PROPOSED [■] N/A SECOND MEANS OF EGRESS WHERE OPENING ONTO PUBLIC CORRIDOR SERVING >2 SUITE WITH SINGLE EXIT: [ ] REQUIRED [ ] PROPOSED [■] N/A	9.9.9.3.
59	EGRESS WINDOWS OR DOORS FOR BEDROOMS	FOR WINDOW OR EXTERIOR DOOR, ≥ 0.35m^2 EGRESS AREA, AND ≥ 380 mm ALL SIDES: [ ] REQUIRED [ ] PROPOSED [■] N/A *NOT REQUIRED IN SPRINKLERED SUITES	9.9.10.1.
60	EXIT SIGNS	SIGNS AT EVERY EXIT DOOR, WHERE BUILDING 3 STOREYS, OCCUPANT LOAD >150 OR HAS FIRE ESCAPE: [ ] REQUIRED [ ] PROPOSED [■] N/A INTERNATIONAL GREEN/WHITE PICTOGRAM ICON, VISIBLE ON APPROACH TO EXIT: [■] REQUIRED [■] PROPOSED [ ] N/A INTERNALLY ILLUMINATED TO CSA-C22.2 #141 OR PHOTOLUMINESCENT TO CAN/ULC-S572, OR EXTERNALLY ILLUMINATED TO CAN/ULC-S572: [■] REQUIRED [■] PROPOSED [ ] N/A *ONLY REQUIRED AT STORAGE/BIKE ROOM	9.9.11.1., 9.9.11.3.
61	SIGNS FOR STAIRS AND RAMPS AT EXIT LEVEL	WHERE BUILDING 3 STOREYS, SIGNAGE AT RAMPS OR STAIRS CONTINUING UP OR DOWN PAST LOWEST EXIT LEVEL TO INDICATE NOT AN EXIT: [ ] REQUIRED [ ] PROPOSED [■] N/A	9.9.11.4.
62	FLOOR NUMBERING	RAISED FLOOR LEVEL NUMERALS AT STAIR FACE AND LATCH SIDE OF EXIT STAIR SHAFT DOORS: [ ] REQUIRED [ ] PROPOSED [■] N/A	9.9.11.5.
63	EMERGENCY LIGHTING *[FOR MEANS OF EGRESS NOT WITHIN DWELLING UNITS]*	AT EXITS, PRINCIPAL ROUTES PROVIDING ACCESS TO EXIT, PUBLIC CORRIDORS, UNDERGROUND WALKWAYS, AND PUBLIC CORRIDORS. [■] REQUIRED [■] PROPOSED [ ] N/A AUTO-ACTIVATION & 30-MINUTE BATTERY POWER: [■] REQUIRED [■] PROPOSED [ ] N/A MINIMUM AVERAGE 10 LUX AT FLOOR/TREAD LEVEL: [■] REQUIRED [■] PROPOSED [ ] N/A *ONLY REQUIRED AT STORAGE/BIKE ROOM	9.9.12.
FIRE PROTECTION *(SEE ALSO ITEMS UNDER "GENERAL INFORMATION")*			**9.10.**
64	FIRE SEPARATION CONTINUITY	[■] REQUIRED [ ] PROPOSED [ ] N/A	9.10.9.2.
65	OPENINGS *[IN FIRE SEPARATIONS]* TO BE PROTECTED WITH CLOSURES	CLOSURES CONFORMING TO 9.10.13.: [ ] REQUIRED [ ] PROPOSED [■] N/A	9.10.9.3., 9.10.13.
66	PENETRATION OF FIRE SEPARATIONS	PIPING, TUBING, DUCTS, CHIMNEYS, WIRING OR CONDUIT; TIGHTLY FITTED OR FIRE STOPPED: [■] PERMITTED [■] PROPOSED [ ] N/A BY NON-COMBUSTIBLE PIPING, DUCTS OR ELEC. BOXES: [■] PERMITTED [■] PROPOSED [ ] N/A BY METAL-SHEATHED CABLES W/COMBUSTIBLE JACKETTING, IF EACH SPACED ≥ 300mm: [■] PERMITTED [■] PROPOSED [ ] N/A BY CABLES W/COMBUSTIBLE INSULATION OR JACKETING, IF O.D. < 25mm: [■] PERMITTED [■] PROPOSED [ ] N/A BY COMBUSTIBLE OUTLET BOXES, WHERE < 160 cm^2: [■] PERMITTED [■] PROPOSED [ ] N/A BY COMBUSTIBLE WATER PIPING, IF FIRESTOPPED: [■] PERMITTED [■] PROPOSED [ ] N/A BY SPRINKLER PIPING WITH METAL ESCUTCHEONS: [■] PERMITTED [■] PROPOSED [ ] N/A BY METAL DUCTS WITH FIRE DAMPERS PER NFPA-90: [■] PERMITTED [■] PROPOSED [ ] N/A	9.10.9.6.
67	*[PENETRATION BY]* COMBUSTIBLE DRAIN, WASTE AND VENT PIPING	IF FIRESTOPPED PER CAN/ULC-S115: [■] PERMITTED [■] PROPOSED [ ] N/A	9.10.9.7.
68	SEPARATION OF RESIDENTIAL OCCUPANCIES (F.R.R., IN HOURS)	FROM 'D' OR 'F3' MAJOR OCCUPANCIES: 1 REQUIRED [■] PROPOSED [ ] N/A FROM 'E' OR 'F2' MAJOR OCCUPANCIES: 1 REQUIRED [■] PROPOSED [ ] N/A	9.10.9.11.
69	SEPARATION OF RESIDENTIAL OCCUPANCIES IN INDUSTRIAL BUILDINGS	NUMBER OF RESIDENTIAL SUITES IN 'F2' BUILDING: 1 PERMITTED [■] PROPOSED [ ] N/A	9.10.9.12.
70	SEPARATION OF SUITES (F.R.R., IN HOURS)	UNLESS SPRINKLERED OR GROUP 'D' OCCUPANCY: N/A REQUIRED [ ] PROPOSED [■] N/A UP TO 8 SLEEPING ROOMS IN BOARDING/LODGING HOUSES, WHERE FORMING PART OF PROPRIETOR'S RESIDENCE AND CONTAINING NO COOKING FACILITIES: [ ] REQUIRED [ ] PROPOSED [■] N/A DWELLING UNITS ≥ 2 STOREYS: 1 REQUIRED 1 PROPOSED [ ] N/A	9.10.9.13., 9.10.9.14.
71	SEPARATION OF PUBLIC CORRIDORS (F.R.R., IN HOURS)	UNSPRINKLERED: N/A REQUIRED [ ] PROPOSED [■] N/A NON-RESIDENTIAL, SPRINKLERED AND ELECTRICALLY SUPERVISED (FIRE SEPARATION WAIVED IF CORRIDOR > 5 m WIDE): 0 REQUIRED [ ] PROPOSED [■] N/A	9.10.9.15.
72	SEPARATION OF STORAGE GARAGES (F.R.R., IN HOURS)	SERVING ONLY DWELLING UNIT TO WHICH ATTACHED: [ ] REQUIRED [ ] PROPOSED [■] N/A CONTAINING ≤ 5 OR FEWER VEHICLES: 1 REQUIRED [ ] PROPOSED [■] N/A CONTAINING > 5 VEHICLES: 1.5 REQUIRED [ ] PROPOSED [■] N/A WHERE RESIDENTIAL, ISOLATION BY AIR BARRIER: [ ] REQUIRED [ ] PROPOSED [■] N/A	9.10.9.16.

NO.	ITEM	DESCRIPTION	REFERENCE(S)
73	SEPARATION OF SERVICE ROOMS (F.R.R., IN HOURS)	[ ] REQUIRED [ ] PROPOSED [■] N/A *NOT REQUIRED IN A SPRINKLERED BUILDING	9.10.10.3.
74	LOCATION OF FUEL-FIRED APPLIANCES (F.R.R., IN HOURS)	TYPICAL: 1 REQUIRED [ ] PROPOSED [■] N/A FUEL-FIRED SPACE-HEATING OR -COOLING, SERVICE WATER HEATERS AND LAUNDRY APPLIANCES, SERVING ONE ROOM/SUITE IN ≥ 2 STOREY BUILDING ≤ 600 m^2: [ ] REQUIRED [ ] PROPOSED [■] N/A	9.10.10.4.
75	BOOMS FOR TEMPORARY STORAGE OF COMBUSTIBLE REFUSE (F.R.R., IN HOURS)	1 REQUIRED [ ] PROPOSED [■] N/A	9.10.10.6.
76	FIREWALLS	[ ] REQUIRED [ ] PROPOSED [■] N/A	9.10.11.
77	PROTECTION OF SOFFITS	[■] REQUIRED [ ] PROPOSED [ ] N/A	9.10.12.4.
78	SPATIAL SEPARATIONS	REFER TO ANALYSIS ON SPATIAL SEPARATIONS DRAWING SHEET	9.10.14., 9.10.15.
79	FIRE BLOCKS	IN CONCEALED SPACES: [■] REQUIRED [■] PROPOSED [ ] N/A IN WALL ASSEMBLIES: [■] REQUIRED [■] PROPOSED [ ] N/A	9.10.16.
80	FLAME-SPREAD RATING OF INTERIOR SURFACES	≤ 150 TYPICAL ≤ 300 DOORS NOT WITHIN DWELLING UNITS ≤ 25 90% CEILINGS OF UNSPRINKLERED PUBLIC CORRIDOR OR EXIT ≤ 25 90% WALLS OF PUBLIC CORRIDOR OR EXIT ≤ 25 75% WALLS OF LOBBY USED AS EXIT PER 9.9.8.5. ≤ 200 WALLS AND CEILINGS IN RESIDENTIAL BATHROOMS	9.10.17.
81	FIRE ALARM SYSTEM	[■] REQUIRED [■] PROPOSED [ ] N/A	9.10.18.2.
82	ROOMS AND SPACES REQUIRING HEAT DETECTORS OR SMOKE DETECTORS	SMOKE DETECTORS IN RESIDENTIAL PUBLIC CORRIDORS: [ ] REQUIRED [ ] PROPOSED [■] N/A FIRE DETECTORS IN UNSPRINKLERED STORAGE, SERVICE, JANITOR, HAZARDOUS STORAGE, ELEVATOR HOISTWAYS, AND LAUNDRY ROOMS: [ ] REQUIRED [ ] PROPOSED [■] N/A	9.10.18.4.
83	SMOKE ALARMS	WHERE REQUIRED, COMPLY WITH CAN/ULC-S531: [■] REQUIRED [■] PROPOSED [ ] N/A IN EACH STOREY OF EACH DWELLING UNIT: [■] REQUIRED [■] PROPOSED [ ] N/A IN EACH SLEEPING ROOM IN A DWELLING UNIT: [■] REQUIRED [■] PROPOSED [ ] N/A WHERE REQUIRED IN DWELLING UNITS, INSTALLED PER CAN/ULC-S553 ATOP/EAR CEILING: [■] REQUIRED [■] PROPOSED [ ] N/A WIRED POWER SUPPLY WITH BATTERY BACKUP: [■] REQUIRED [■] PROPOSED [ ] N/A IN LIEU OF SMOKE ALARMS WITHIN RESIDENTIAL SUITES, SMOKE DETECTORS MEETING CAN/ULC-S524, WITH LOCALIZED ALARM: [■] PERMITTED [■] PROPOSED [ ] N/A WITHIN DWELLING UNIT, INTERCONNECTION OF SMOKE ALARMS: [■] REQUIRED [■] PROPOSED [ ] N/A	9.10.19.
84	WINDOWS OR ACCESS PANELS	IF UNSPRINKLERED, ACCESS PANELS/WINDOWS ON 2ND AND 3RD STOREYS IN AT LEAST 1 WALL FACING A STREET: [ ] REQUIRED [ ] PROPOSED [■] N/A	9.10.20.1.
85	PORTABLE FIRE EXTINGUISHERS	EXCEPT WITHIN DWELLING UNITS, INSTALLATION PER REQUIREMENTS OF BC FIRE CODE: [■] REQUIRED [■] PROPOSED [ ] N/A	9.10.20.4.
86	PROTECTION FOR GAS, PROPANE AND ELECTRIC COOKTOPS AND OVENS	NATURAL GAS AND PROPANE COOKTOPS AND OVENS INSTALLED PER GAS SAFETY REGULATIONS: [ ] REQUIRED [■] PROPOSED [ ] N/A VERTICAL CLEARANCE ABOVE COOKTOPS (mm): ≥ 750 REQUIRED HORIZONTAL CLEARANCE TO COMBUSTIBLE FINISHES OR CABINETRY (mm): ≥ 450 REQUIRED	9.10.22.
SOUND TRANSMISSION			**9.11.**
87	REQUIRED PROTECTION FROM AIRBORNE NOISE	DWELLING UNIT SEPARATION FROM OTHER SPACES BY ASSEMBLIES AND ADJOINING CONSTRUCTION BY EITHER: ASTC ≥ 47 REQUIRED [ ] PROPOSED [■] N/A STC ≥ 50 REQUIRED[1] [ ] PROPOSED [■] N/A DWELLING UNIT SEPARATION FROM ELEVATOR SHAFTS[1] AND REFUSE CHUTES: STC ≥ 55 REQUIRED [ ] PROPOSED [■] N/A [1] ADJOINING CONSTRUCTIONS TO CONFORM TO 9.11.1.4.	9.11.1.1.
88	DETERMINATION OF SOUND TRANSMISSION RATINGS	STC RATINGS DEMONSTRATED BY EITHER: ASTM E-413 REQUIRED[1] [ ] PROPOSED [■] N/A 9.10.3.1.A-B REQUIRED[1] [ ] PROPOSED [■] N/A ASTC RATINGS DEMONSTRATED USING EITHER: ASTM E-413 REQUIRED[1] [ ] PROPOSED [■] N/A 5.8.1.4.-5. REQUIRED[1] [ ] PROPOSED [■] N/A 9.10.3.1.A-B REQUIRED[1] [ ] PROPOSED [■] N/A ADJOINING CONSTRUCTIONS TO CONFORM TO 9.11.1.4.: [■] REQUIRED [■] PROPOSED [ ] N/A [1] RATINGS OF ASTM E-413 TO USE MEASUREMENTS OF ASTM E-90 [2] SEE VALUES ASSIGNED TO CONSTRUCTION OF TABLES 9.10.3.1.-A AND 9.10.3.1.-B. [3] RATINGS OF ASTM E-413 TO USE MEASUREMENTS OF ASTM E-336 [4] SEE PART 5 DETAILED METHOD FOR CALCULATING ASTC	9.11.1.2., 9.11.1.3.
89	ADJOINING CONSTRUCTIONS	WALLS CONNECTED TO SEPARATING FLOOR/CEILING EITHER: 200kg/m^2 CONCRETE [■] GYPSUM BOARD WALLS/CEILINGS CONNECTED TO SEPARATING WALLS EITHER: 300kg/m^2 CONCRETE [■] GYPSUM BOARD FLOORS CONNECTED TO SEPARATING WALLS EITHER: 300kg/m^2 CONCRETE [■] FLOORS-ON-GROUND 9.16. TABLE 9.11.1.4.	9.11.1.4.

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Revision		
No.	Description	Date

Consultant

633 Belton Avenue

633 Belton Avenue

Building Code Analysis

Date	2022-05-17 10:49:52 AM
Drawn by	Author
Checked by	Checker

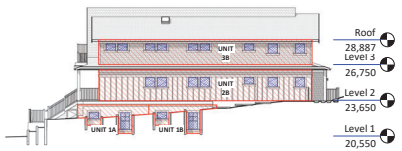
A0.01

Scale 1 : 1

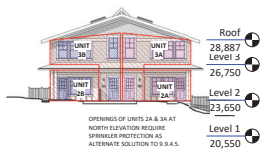
Building Code Analysis (continued)

NO.	ITEM	DESCRIPTION	REFERENCE(S)
HEAT TRANSFER, AIR LEAKAGE AND CONDENSATION CONTROL			**9.25.**
90	SCOPE AND APPLICATION	WALLS, CEILINGS AND FLOORS SEPARATING CONDITIONED FROM UNCONDITIONED SPACE, EXTERIOR AIR OR GROUND WITH THERMAL INSULATION, AIR BARRIER AND VAPOUR BARRIER: ■ REQUIRED ■ PROPOSED □ N/A	9.25.1.1.
91	THERMAL INSULATION	TO MEET STANDARDS LISTED IN 9.25.2.2.(1): ■ REQUIRED ■ PROPOSED □ N/A	9.25.2.
92	AIR BARRIER SYSTEMS	POLYETHYLENE SHEET AIR BARRIER[S] TO CONFORM TO CAN/CGSB-51.34-M: ■ REQUIRED ■ PROPOSED □ N/A ALL JOINTS IN FLEXIBLE SHEET MATERIAL TO BE SEALED OR LAPPED ≥ 100 mm AND HELD IN PLACE: ■ REQUIRED ■ PROPOSED □ N/A CONTINUITY ACROSS INTERSECTION OF EXTERIOR AND INTERIOR WALLS: ■ REQUIRED ■ PROPOSED □ N/A PENETRATIONS BY DOORS, WINDOWS, ELECTRICAL BOXES ETC TO BE SEALED TO MAINTAIN INTEGRITY: ■ REQUIRED ■ PROPOSED □ N/A POLYETHYLENE SHEET AIR BARRIER AT FLOORS-ON-GROUND, SEAMS LAPPED ≥ 300 mm AND SEALED AT PERIMETER TO INNER SURFACES OF WALLS: ■ REQUIRED ■ PROPOSED □ N/A	9.25.3.
93	VAPOUR BARRIERS	PERMEANCE ≤ 60 ng/(Pa*s*m²) PER ASTM E-96/E-96M: ■ REQUIRED ■ PROPOSED □ N/A WHERE POLYETHYLENE SHEET INSTALLED TO SERVE ONLY AS VAPOUR BARRIER, COMPLY WITH 4.4 AND 5.7 OF CAN/CGSB-51.34-M: ■ REQUIRED ■ PROPOSED □ N/A MEMBRANE VAPOUR BARRIERS OTHER THAN POLYETHYLENE TO CONFORM TO CAN/CGSB-51.33-M: ■ REQUIRED ■ PROPOSED □ N/A WHERE FOAMED PLASTIC INSULATION FUNCTIONS AS VAPOUR BARRIER, THICKNESS TO MEET PERMEANCE: ■ REQUIRED ■ PROPOSED □ N/A	9.25.4.
94	BUILDING ENVELOPE	LOW PERMEANCE MATERIALS (AIR LEAKAGE < 0.1 LA*m² AT 75 Pa AND VAPOUR PERMEANCE < 60 ng/(Pa*s*m²) INSTALLED ON WARM FACE OF ASSEMBLY OR AS PER TABLE 9.25.5.2 (1)(B): ■ REQUIRED ■ PROPOSED □ N/A	9.25.5.
VENTILATION			**9.32.**
95	APPLICATION	SYSTEMS SERVING ONLY ONE DWELLING UNIT: ■ REQUIRED ■ PROPOSED □ N/A SYSTEMS OTHER THAN THOSE SERVING A SINGLE DWELLING UNIT TO CONFORM TO PART 6: □ REQUIRED □ PROPOSED ■ N/A NON-HEATING SEASON VENTILATION, PER 9.32.2 : ■ REQUIRED ■ PROPOSED □ N/A HEATING SEASON VENTILATION, PER 9.32.3.: ■ REQUIRED ■ PROPOSED □ N/A LAUNDRY DRYER EXHAUSTS TO VENT INDEPENDENTLY AND DIRECTLY OUTDOORS: ■ REQUIRED ■ PROPOSED □ N/A	9.32.1.
96	NON-HEATING-SEASON VENTILATION	DWELLING UNIT VENTILATION BY EITHER: [1] PER 9.32.2.2. [2] PER 9.32.3. [3] IF MECHANICALLY COOLED [4] IF NO MECHANICAL COOLING NATURAL REQUIRED[1] □ PROPOSED □ N/A MECHANICAL REQUIRED[2] □ PROPOSED □ N/A WHERE VENTILATION MECHANICAL, AIR CHANGE RATE EITHER: ≥ 0.5 / HR REQUIRED[3] □ PROPOSED □ N/A ≥ 1.0 / HR REQUIRED[4] □ PROPOSED □ N/A WHERE VENTILATION NATURAL, UNOBSTRUCTED AREAS TO CONFORM TO TABLE 9.32.2.2.: ■ REQUIRED ■ PROPOSED □ N/A	9.32.2.
97	HEATING-SEASON VENTILATION	DWELLING UNIT MECHANICAL VENTILATION TO CONFORM TO EITHER: CAN/CSA-F326-M □ PROPOSED □ N/A BCBC 9.32.3. □ PROPOSED □ N/A MECHANICAL VENTILATION TO 9.32.3. TO HAVE PRINCIPAL FAN FOR SUPPLY AIR PER 9.32.3.4. AND EXHAUST PER 9.32.3.5.: ■ REQUIRED ■ PROPOSED □ N/A MECHANICAL VENTILATION TO 9.32.3. TO HAVE KITCHEN AND BATHROOM EXHAUST FANS PER 9.32.3.6.: ■ REQUIRED ■ PROPOSED □ N/A IF CRAWLSPACE HEATED, MECHANICAL VENTILATION TO 9.32.3. TO HAVE COMPONENTS PER 9.32.3.7.: □ REQUIRED □ PROPOSED ■ N/A	9.32.3.1.-3.
98	VENTILATION SYSTEM SUPPLY AIR	FAN TO PROVIDE SUPPLY AIR WITH EITHER: [1] SUPPLY AIR TO BE PROVIDED BY MEANS OF DEDICATED INLETS ≥ 25 cm² IN EACH BEDROOM AND AT LEAST ONE COMMON AREA ≥ 1.8m ABOVE FLOOR □ DUCTED FORCED-AIR HEATING TO 9.32.3.4.(2) □ DUCTED FORCED-AIR HEATING WITH HEAT RECOVERY VENTILATOR, TO 9.32.3.4.(3) ■ HEAT RECOVERY VENTILATOR, TO 9.32.3.4.(4) □ DUCTED CENTRAL-RECIRCULATION VENTILATION, TO 9.32.3.4.(5) □ PASSIVE ALTERNATE FOR 1 STOREY DWELLING UNITS < 168 m² IN MILD CLIMATES, WITHIN EXISTING (NON-STEP CODE) BUILDINGS LACKING DUCTED FORCED-AIR SYSTEM, PER 9.32.3.4.(6)[1]	9.32.3.4.
99	PRINCIPAL VENTILATION SYSTEM EXHAUST FAN	EXHAUST FAN TO RUN CONTINUOUSLY: ■ REQUIRED ■ PROPOSED □ N/A AIR FLOW RATE, BASED ON CAN/CSA-C260-M @ 50 Pa, PER TABLE 9.32.3.5. (L/s): 21 MIN. REQUIRED □ PROPOSED □ N/A SOUND RATING ≤ 1.0 SONE BY CAN/CSA-C260-M: ■ REQUIRED ■ PROPOSED □ N/A	9.32.3.5.
100	KITCHEN AND BATHROOM EXHAUST FANS	EXHAUST FAN AT EACH KITCHEN AND BATHROOM, UNLESS BATHROOM SERVED BY PRINCIPAL EXHAUST FAN: ■ REQUIRED ■ PROPOSED □ N/A FLOW RATE, BASED ON CAN/CSA-C260-M @ 50 Pa, TO CONFORM TO TABLE 9.32.3.6.: ■ REQUIRED ■ PROPOSED □ N/A	9.32.3.6.
101	HEATED CRAWL SPACE VENTILATION	□ REQUIRED □ PROPOSED ■ N/A [1] SEE #97 ABOVE	9.32.3.7.
102	AIR DUCTS	SIZING PER FAN MANUFACTURER AND TABLE 9.32.3.8.: ■ REQUIRED ■ PROPOSED □ N/A	9.32.3.8.

NO.	ITEM	DESCRIPTION	REFERENCE(S)
103	OUTDOOR INLETS AND OUTLETS	SHIELD FROM WEATHER AND PROVIDE CORROSION-RESISTANT SCREEN WITH OPENINGS 6-12mm: ■ REQUIRED ■ PROPOSED □ N/A	9.32.3.9.
104	INTERIOR DISTRIBUTION	DOORS UNDERCUT ≥ 12 mm OR GRILLE ≥ 300 cm²: ■ REQUIRED ■ PROPOSED □ N/A	9.32.3.10.
105	ADDITIONAL PROTECTION AGAINST DEPRESSURIZATION	TEMPERED MAKE-UP AIR FOR ANY APPLIANCE SUBJECT TO BACK DRAFTING WITH DISCHARGE RATE ≥ 0.5 ACH: □ REQUIRED □ PROPOSED ■ N/A	9.32.4.1.
106	CARBON MONOXIDE (CO) ALARMS	PROVIDE IN RESIDENTIAL BUILDINGS WITH FUEL-BURNING APPLIANCE(S) OR STORAGE GARAGE(S): □ REQUIRED □ PROPOSED ■ N/A ALARMS TO CONFORM TO CAN/CSA-6.19: □ REQUIRED □ PROPOSED ■ N/A INSTALL AT/NEAR CEILING, OR AS RECOMMENDED BY MANUFACTURER FOR ROOMS WITH SOLID-FUEL-BURNING APPLIANCES: □ REQUIRED □ PROPOSED ■ N/A IN RESIDENTIAL SUITES ADJACENT TO STORAGE GARAGE OR WHERE FUEL-BURNING APPLIANCE(S) WITHIN SUITE, CO ALARM(S) INSIDE BEDROOM(S) OR WITHIN 5m OF BEDROOM DOOR(S): □ REQUIRED □ PROPOSED ■ N/A	9.32.4.2.
HEATING AND AIR-CONDITIONING			**9.33.**
107	APPLICATION	SYSTEMS SERVING ONE DWELLING UNIT TO 9.33.: ■ REQUIRED ■ PROPOSED □ N/A SYSTEMS SERVING OTHER THAN ONE DWELLING UNIT TO BCBC PART 6: □ REQUIRED □ PROPOSED ■ N/A	9.33.1.1.
108	HEATING DESIGN TEMPERATURES[1]	SYSTEM TO MAINTAIN 22°C IN LIVING SPACES: ■ REQUIRED ■ PROPOSED □ N/A SYSTEM TO MAINTAIN 18°C IN UNFINISHED BASEMENTS: ■ REQUIRED ■ PROPOSED □ N/A SYSTEM TO MAINTAIN 15°C IN HEATED CRAWL SPACES: □ REQUIRED □ PROPOSED ■ N/A [1] AT OUTSIDE WINTER DESIGN TEMPERATURE DETERMINED BY 1.1.3.1.	9.33.3.
109	CAPACITY OF HEATING APPLIANCES	SYSTEMS SERVING ONE DWELLING UNIT TO CSA-F280: ■ REQUIRED ■ PROPOSED □ N/A	9.33.5.1.
110	INSTALLATION STANDARDS [OF EQUIPMENT]	CONFORMANCE WITH SAFETY STANDARDS ACT REGULATIONS, CSA-B139 AND CSA-CA48 SERIES: ■ REQUIRED ■ PROPOSED □ N/A	9.33.5.2.
111	STANDARD FOR SOLID-FUEL-BURNING APPLIANCES	CONFORMANCE WITH CSA-B365 AND/OR SECTION 10 OF SAFETY STANDARDS ACT: □ REQUIRED □ PROPOSED ■ N/A	9.33.5.3.
112	FIREPLACES	FIREPLACES TO CONFORM TO SECTION 9.22 : □ REQUIRED □ PROPOSED ■ N/A	9.33.5.4.
113	AIR DUCT DISTRIBUTION SYSTEMS	SYSTEMS WITH ≤ 120 kW RATED INPUT TO 9.33.6.; SYSTEMS > 120 kW TO PART 6 AND SUBSECTION 3.6.5.: ■ REQUIRED ■ PROPOSED □ N/A	9.33.6.
114	RADIATORS AND CONVECTORS	□ REQUIRED □ PROPOSED ■ N/A	9.33.7.
115	PIPING FOR HEATING AND COOLING SYSTEMS	□ REQUIRED □ PROPOSED ■ N/A	9.33.8.
116	COOLING UNITS [COMBINED WITH FUEL-FIRED FURNACE]	□ REQUIRED □ PROPOSED ■ N/A	9.33.9.1.
117	CHIMNEYS AND VENTING EQUIPMENT	OIL-, GAS- AND SOLID-FUEL-BURNING APPLIANCES TO BE VENTED IN ACCORDANCE WITH APPLICABLE STANDARD OF 9.33.5.2.(1) AND 9.33.5.3.(2): □ REQUIRED □ PROPOSED ■ N/A MASONRY OR CONCRETE CHIMNEYS TO 9.21.: □ REQUIRED □ PROPOSED ■ N/A	9.33.10.
ELECTRICAL FACILITIES			**9.34.**
118	STANDARD FOR ELECTRICAL INSTALLATIONS	INSTALLATIONS, INCLUDING SERVICE CAPACITY AND ALL DISTRIBUTION, TO CONFORM TO ELECTRICAL SAFETY REGULATION: ■ REQUIRED ■ PROPOSED □ N/A	9.34.1.1.
GARAGES AND CARPORTS			**9.35.**
119	APPLICATION	GARAGE(S) AND/OR CARPORT(S) SERVING ONE DWELLING UNIT: ■ REQUIRED ■ PROPOSED □ N/A	9.34.2.6.
ENERGY EFFICIENCY			**9.36.**
120	APPLICATION	■ REQUIRED ■ PROPOSED □ N/A	9.36.1.1.
121	ENERGY COMPLIANCE STANDARD	COMPLIANCE PATH: □ 9.36.2. TO 9.36.4. PRESCRIPTIVE/TRADE-OFF □ 9.36.5. PERFORMANCE ■ 9.36.6. ENERGY STEP CODE □ NECB 2015	BCBC 9.36.1.3.(3), BC BUILDING ACT 1.2.2
122	ENERGY STEP	□ STEP 1 □ STEP 2 ■ STEP 3 □ STEP 4 □ STEP 5	AHJ
123	ENERGY PERFORMANCE COMPLIANCE AND MODELLING	ENERGY MODELLING PER 9.36.5.: ■ REQUIRED ■ PROVIDED[1] □ N/A [1] SEE PRE-CONSTRUCTION ENERGY MODELING REPORT	9.36.5., 9.36.6.4.
124	ENERGY STEP CODE APPLICATION [TO MULTIPLE DWELLING UNITS]	WHERE > 1 DWELLING UNIT, 9.36.6. TO APPLY TO WHOLE BUILDING, NOT INDIVIDUAL UNITS: ■ REQUIRED ■ PROVIDED □ N/A	9.36.6.1.
125	AIRTIGHTNESS (AIR CHANGES / HOUR AT 50 Pa)	≤ 2.5 REQUIRED ≤ 2.5 PROPOSED	TABLE 9.36.6.3.-A
126	BUILDING EQUIPMENT AND MECHANICAL ENERGY USE INTENSITY (% LOWER THAN REFERENCE HOUSE)	≤ 20 REQUIRED ≤ 20 PROPOSED	TABLE 9.36.6.3.-G
127	BUILDING ENVELOPE THERMAL ENERGY DEMAND INTENSITY (kWh/m²yr)	≤ 30 REQUIRED ≤ 30 PROPOSED	TABLE 9.36.6.3.-A
128	BUILDING ENVELOPE AIRTIGHTNESS TESTING	AIRTIGHTNESS TESTING AT ≥ 50 Pa TO CAN/CGSB-149.10, ASTM-E779, USACE-V3, OR ENERGUIDE RATING SYSTEM V15 OR NEWER: ■ REQUIRED ■ PROVIDED □ N/A	9.36.6.5.

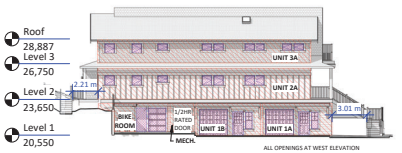


1 Spatial Separation - East
1 : 200



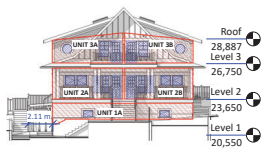
OPENINGS OF UNITS 2A & 3A AT NORTH ELEVATION REQUIRE SPRINKLER PROTECTION AS ALTERNATE SOLUTION TO 9.9.4.5.

2 Spatial Separation - North
1 : 200



ALL OPENINGS AT WEST ELEVATION REQUIRE SPRINKLER PROTECTION AS ALTERNATE SOLUTION TO 9.9.4.5.

3 Spatial Separation - West
1 : 200



4 Spatial Separation - South
1 : 200

Building Code Analysis - Spatial Separations

6 - SPATIAL SEPARATIONS

NO.	ITEM	DESCRIPTION	REFERENCE
6-1	SPATIAL SEPARATION AND EXPOSURE PROTECTION & CONSTRUCTION OF EXPOSING BUILDING FACE	[1] UNPROTECTED OPENINGS MAY BE DOUBLE IN A SPRINKLERED BUILDING PER 9.10.14.4.(7)	9.10.14.4. & 9.10.14.5.
6-2	EXIT EXPOSURE PROTECTION	EXIT PATH PROTECTION FOR EAST EXIT PATH TO BE PROVIDED BY MEANS OF AN ALTERNATE SOLUTION, COMPRISING OF DEDICATED SPRINKLER HEADS AT THE INTERIOR OF EACH UNPROTECTED OPENING INDICATED ON THE WEST ELEVATION.	9.9.4.4., 9.9.4.4.5. DIV A - 1.2.1.1.(1)(B) & DIV C - 2.3.

EAST:

	WALL AREA	LIMITING DISTANCE	MAXIMUM OPENINGS	PROPOSED OPENINGS	WALL F.R.R.	WALL NON.-COMB.	CLADDING NON.-COMB.
UNIT 2A	8.67 m²	2.01 m	24.28 %	18.91 %	1 hr	N/A	REQUIRED
UNIT 1B	6.82 m²	2.01 m	24.28 %	24.05 %	1 hr	N/A	REQUIRED
UNIT 2B	48.68 m²	2.01 m	20.18 %	9.41 %	1 hr	N/A	REQUIRED
UNIT 3B	39.46 m²	2.01 m	22.22 %	11.86 %	1 hr	N/A	REQUIRED

NORTH:

UNIT 2A	11.03 m²	9.33 m	100 %	37.17 %	3/4 hr	N/A	N/A
UNIT 2B	11.03 m²	9.33 m	100 %	37.17 %	3/4 hr	N/A	N/A
UNIT 3A	20.23 m²	8.30 m	100 %	24.37 %	3/4 hr	N/A	N/A
UNIT 3B	20.23 m²	8.30 m	100 %	24.37 %	3/4 hr	N/A	N/A

WEST:

UNIT 2A	16.28 m²	4.09 m	82.42 %	48.77 %	3/4 hr	N/A	REQUIRED
UNIT 1B	15.66 m²	4.09 m	82.42 %	50.70 %	3/4 hr	N/A	REQUIRED
MECH.	4.97 m²	4.09 m	82.42 %	0 %	3/4 hr	N/A	REQUIRED
BIKE ROOM	11.99 m²	4.09 m	82.42 %	40.47 %	3/4 hr	N/A	REQUIRED
UNIT 2A	48.80 m²	4.09 m	58.62 %	9.39 %	3/4 hr	N/A	REQUIRED
UNIT 3A	39.46 m²	4.09 m	67.34 %	11.86 %	3/4 hr	N/A	REQUIRED

SOUTH:

UNIT 2A	16.98 m²	13.62 m	100 %	5.54 %	3/4 hr	N/A	N/A
UNIT 2A	15.94 m²	15.53 m	100 %	29.61 %	3/4 hr	N/A	N/A
UNIT 2B	15.94 m²	15.53 m	100 %	29.61 %	3/4 hr	N/A	N/A
UNIT 3A	14.54 m²	15.53 m	100 %	23.93 %	3/4 hr	N/A	N/A
UNIT 3B	14.54 m²	15.53 m	100 %	23.93 %	3/4 hr	N/A	N/A

Christine Lintott Architects Inc.

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

Issue	Date
FOR DEVELOPMENT PERMIT	2022-07-07

Revision		
No.	Description	Date

Consultant

REGISTERED ARCHITECT CHRISTINE LINTOTT BRITISH COLUMBIA

633 Belton Avenue

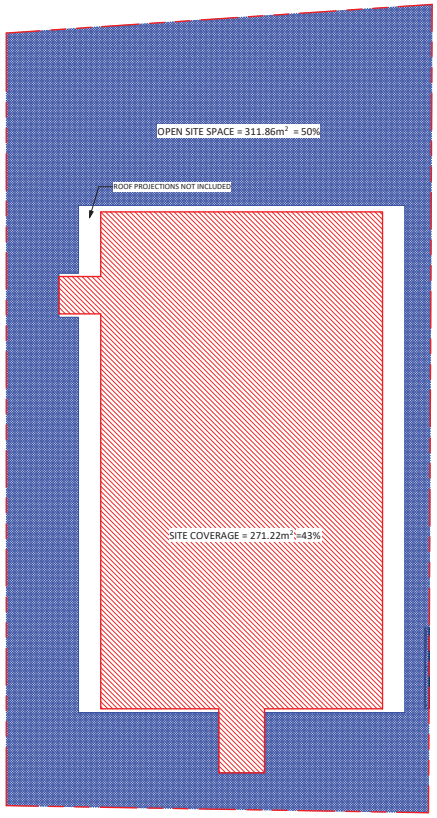
633 Belton Avenue

Building Code Analysis & Spatial Separations

Date	2022-05-17 10:50:01 AM
Drawn by	CC
Checked by	CL

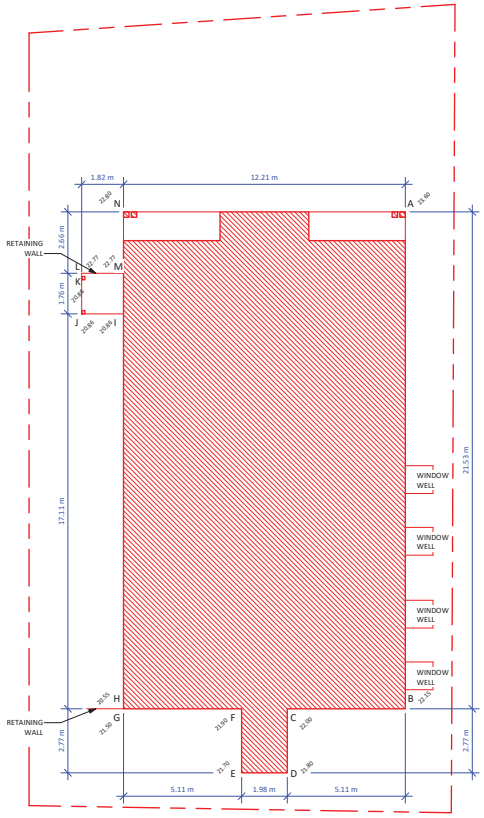
A0.02

Scale: As indicated



TOTAL SITE AREA 629.19 m²

② Site Coverage
1 : 100



A&B	((23.60 + 22.15)/ 2)	x 21.53m	= 492.50
B&C	((22.15 + 22.00)/ 2)	x 5.11m	= 112.80
C&D	((22.00 + 21.80)/ 2)	x 2.77m	= 60.66
D&E	((21.80 + 21.70)/ 2)	x 1.98m	= 43.07
E&F	((21.70 + 21.90)/ 2)	x 2.77m	= 60.39
F&G	((21.90 + 21.50)/ 2)	x 5.11m	= 110.89
H&I	((20.55 + 20.86)/ 2)	x 17.11m	= 354.26
I&J	((20.86 + 20.86)/ 2)	x 1.82m	= 37.97
J&K	((20.86 + 20.86)/ 2)	x 1.76m	= 36.71
L&M	((22.77 + 22.77)/ 2)	x 1.82m	= 41.44
M&N	((22.77 + 22.80)/ 2)	x 2.66m	= 60.61
N&A	((22.80 + 23.60)/ 2)	x 12.21m	= 283.27
		76.65m	1,694.57

1,694.57 / 76.65 = **22.11m** AVG GRADE

① AVG Grade Calculation
1 : 100

SITE PLAN OF LOT 7, SECTION 10, ESQUIMALT DISTRICT, PLAN 280.

0 4 12 20
Scale 1:200. All distances are in metres.

NOTE:

Lot dimensions shown are based upon field survey and may vary from those registered.

Lot dimensions, offsets, and area shown may vary upon completion of a comprehensive legal survey.

Geodetic elevations shown are based upon observations to geodetic control monuments 23-30 (Elev.=18.67m) and 23-28 (Elev.=19.63 m).

This plan is for building design & permit purposes only and is for the exclusive use of our client. This plan shall not be used to define property lines or property corners. Unregistered interests have not been included or considered.

Field survey dated June 1st, 2021.

PID: 001-566-229

Summit Land Surveying
Operated by Apex Land Surveying Ltd.
#101-630 Goldstream Avenue
Victoria B.C. V9B 2W8
Telephone 250-391-6708
www.summitsurveying.ca

File: 23-Jabs-SP2 | Date: July 26, 2021

LEGEND
- WM — Denotes water meter
- DM — Denotes drain manhole
- Denotes approximate tree location, diameter and species
- Denotes ground elevation
- UP — Denotes utility pole

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Issue	Date
FOR DEVELOPMENT PERMIT	2022-02-07

Revision

No.	Description	Date
0	AVG GRADE RECALCULATED	2022-05-17
9	SITE COVERAGE & OPEN SITE SPACE CONFIRMED	2022-05-17

Consultant

633 Belton Avenue

633 Belton Avenue

Site Survey & Grade Calculation

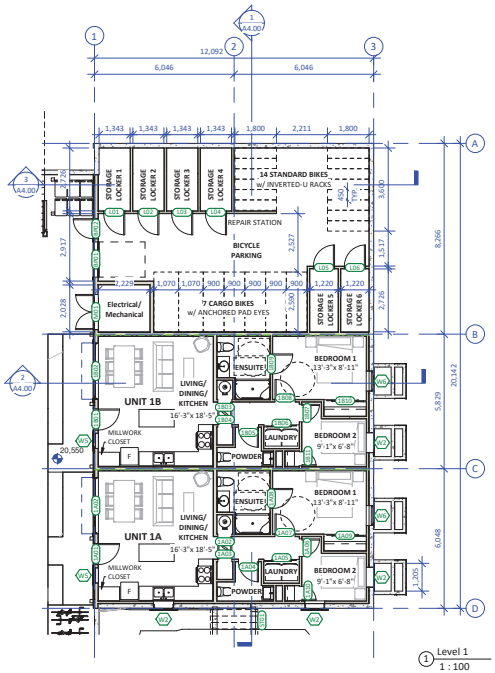
Date	2022-05-17 10:50:02 AM
Drawn by	CC
Checked by	CL

A1.00

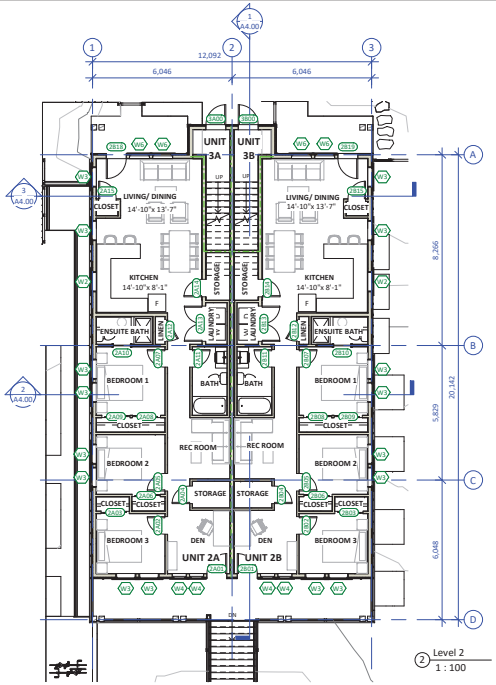
Scale: As indicated

Door Schedule		
VV	Width	Height
Level 1		
1A01	915	2,030
1A02	610	2,030
1A02	2,440	2,248
1A03	610	2,030
1A04	865	2,030
1A05	1,525	2,030
1A06	760	2,030
1A07	865	2,030
1A08	865	2,030
1A09	1,830	2,030
1A10	610	2,030
1B01	915	2,030
1B02	2,440	2,248
1B03	610	2,030
1B04	610	2,030
1B05	865	2,030
1B06	1,525	2,030
1B07	760	2,030
1B08	865	2,030
1B09	865	2,030
1B10	1,830	2,030
1B11	610	2,030
BP01	1,525	2,030
BP02	865	2,030
L01	915	2,030
L02	915	2,030
L03	915	2,030
L04	915	2,030
L05	915	2,030
L06	915	2,030
M01	1,525	2,030
ST01	760	760
Level 2		
2A01	865	2,030
2A02	760	2,030
2A03	1,220	2,030
2A04	760	2,030
2A05	760	2,030
2A06	1,220	2,030
2A07	760	2,030
2A08	1,220	2,030
2A09	1,220	2,030
2A10	760	2,030
2A11	760	2,030
2A12	915	2,030
2A13	1,525	2,030
2A14	760	2,030
2A15	760	2,030
2B01	865	2,030
2B02	760	2,030
2B03	1,220	2,030
2B04	760	2,030
2B05	760	2,030
2B06	1,220	2,030
2B07	760	2,030
2B08	1,220	2,030
2B09	1,220	2,030
2B10	760	2,030
2B11	760	2,030
2B12	915	2,030
2B13	1,525	2,030
2B14	760	2,030
2B15	760	2,030
2B18	865	2,030
2B19	865	2,030
3A00	865	2,030
3B00	865	2,030
Level 3		
3A01	865	2,030
3A02	760	2,030
3A03	1,220	2,030
3A04	760	2,030
3A05	760	2,030
3A06	1,220	2,030
3A07	760	2,030
3A08	1,220	2,030
3A09	1,220	2,030
3A10	760	2,030
3A11	760	2,030
3A12	915	2,030
3A13	760	2,030
3A14	915	2,030
3B01	865	2,030
3B02	760	2,030
3B03	1,220	2,030
3B04	760	2,030
3B05	760	2,030
3B06	1,220	2,030
3B07	760	2,030
3B08	1,220	2,030
3B09	1,220	2,030
3B10	760	2,030
3B11	760	2,030
3B12	915	2,030
3B13	760	2,030
3B14	915	2,030

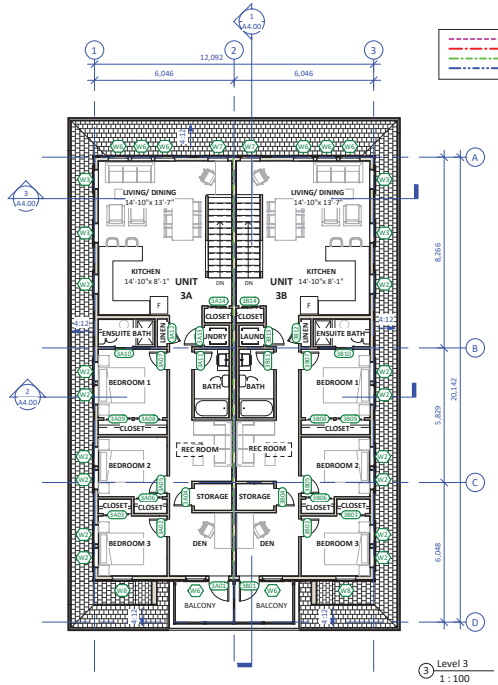
Window Schedule		
Type Mark	Width	Height
S01	559	1,299
W2	865	610
W3	865	865
W4	610	1,525
W5	660	1,525
W6	865	1,525
W7	865	1,830
W8	865	865



1 Level 1
1 : 100

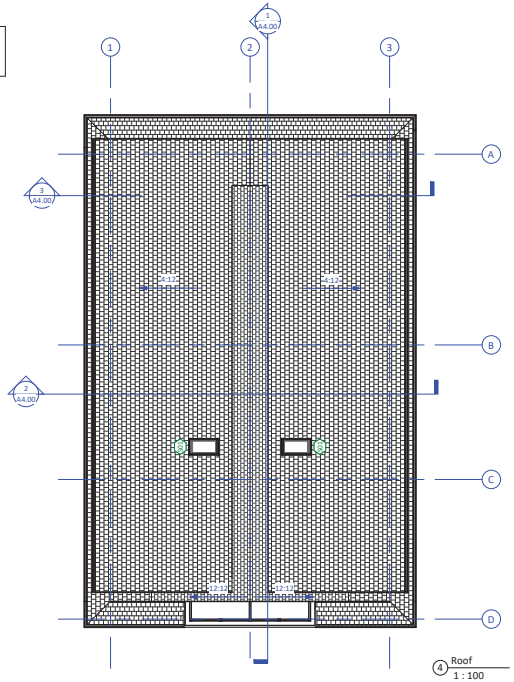


2 Level 2
1 : 100



3 Level 3
1 : 100

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



4 Roof
1 : 100

Christine Lintott Architects Inc.

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Issue	Date
FOR DEVELOPMENT PERMIT	2022-02-07

Revision

No.	Description	Date
11	BICYCLE RACKS NOTED	2022-05-17

Consultant

REGISTERED ARCHITECT CHRISTINE MARIE LINTOTT PROVINCE OF BRITISH COLUMBIA

633 Belton Avenue

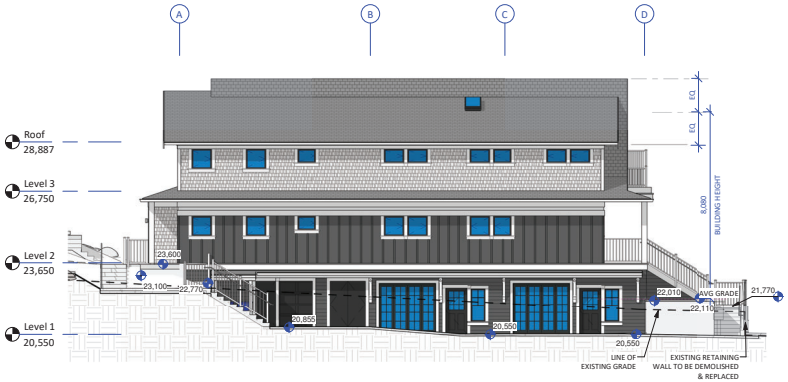
633 Belton Avenue

Floor Plans

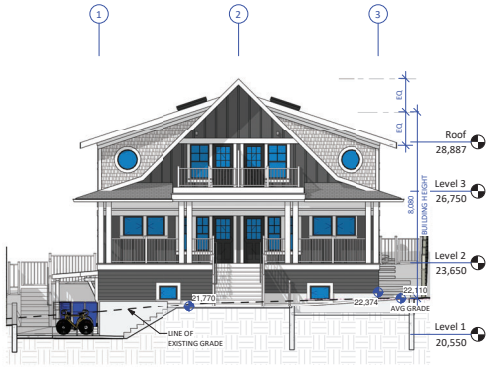
Date	2022-05-17 10:50:14 AM
Drawn by	CC
Checked by	CL

A2.00

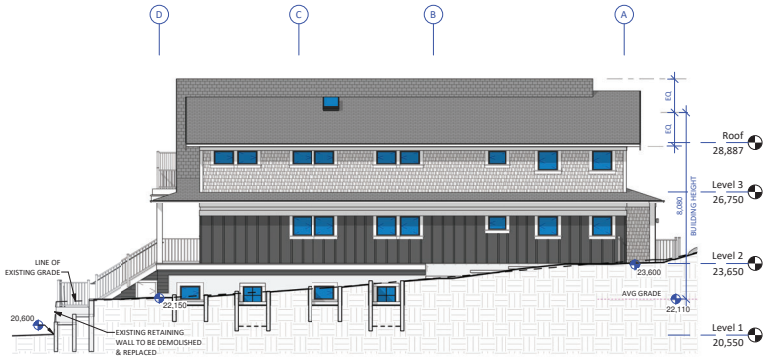
Scale: As indicated



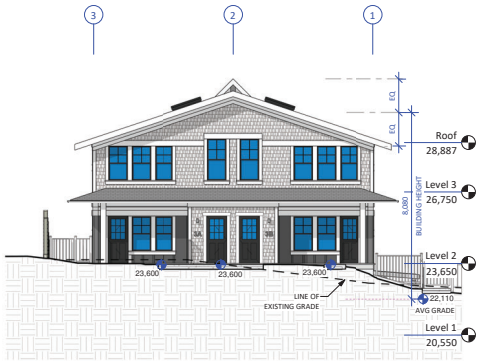
11 West
1 : 100



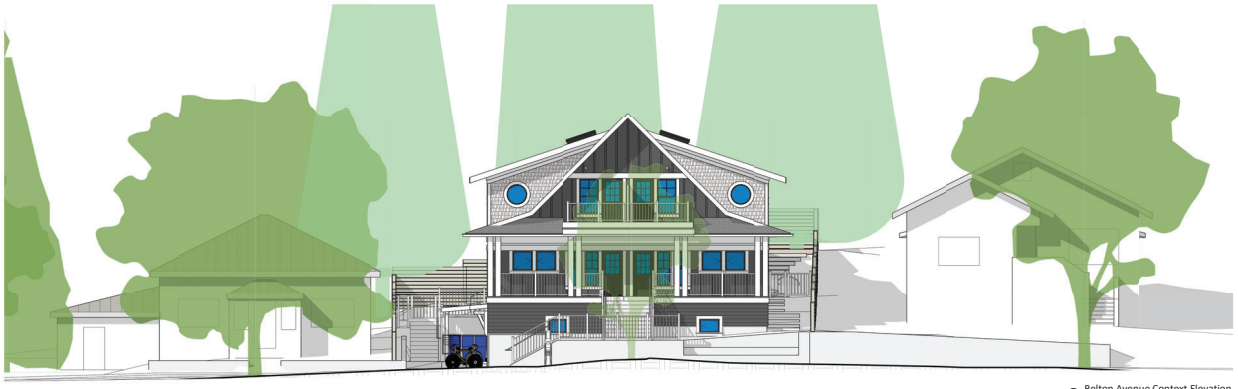
2 South
1 : 100



3 East
1 : 100



4 North
1 : 100



1 Belton Avenue Context Elevation
1 : 100

Christine Lintott
Architects Inc.

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Issue	Date
FOR DEVELOPMENT PERMIT	2022-02-07

Revision

No.	Description	Date
6	AVG GRADE RECALCULATED	2022-05-17
7	HEIGHT INCREASED	2022-05-17
8	EXISTING GRADE LINES ADDED	2022-05-17

Consultant

REGISTERED ARCHITECT
CHRISTINE LINTOTT
BRITISH COLUMBIA

633 Belton Avenue

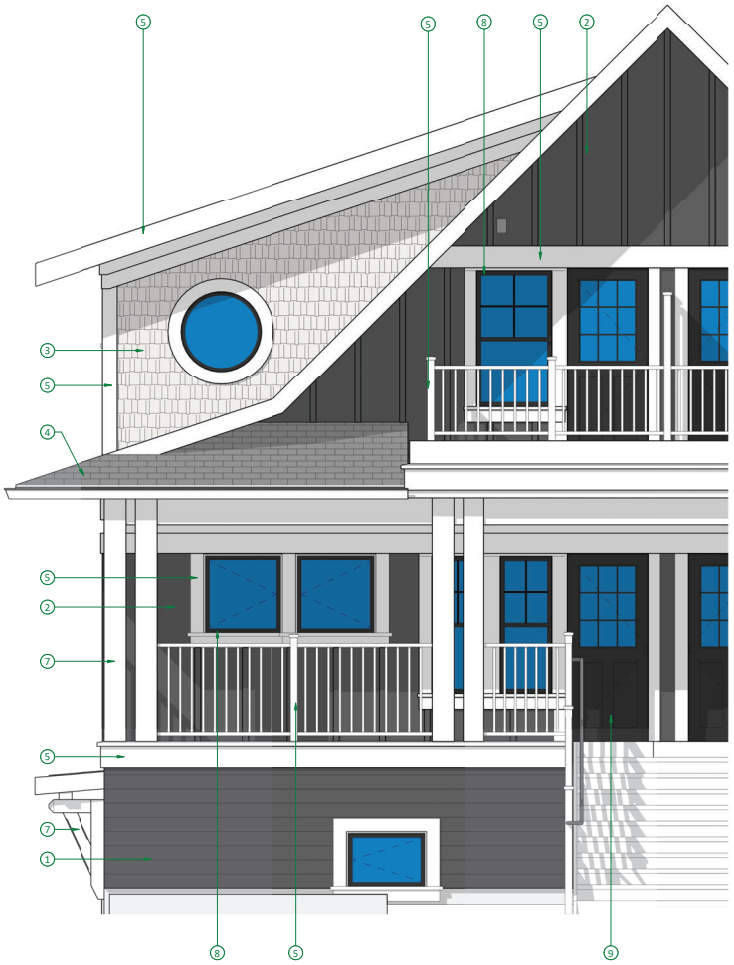
633 Belton Avenue

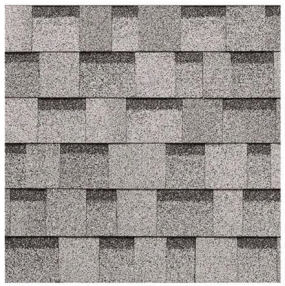
Exterior Elevations

Date	2022-05-17 10:50:31 AM
Drawn by	CC
Checked by	CL

A3.00

Scale 1 : 100



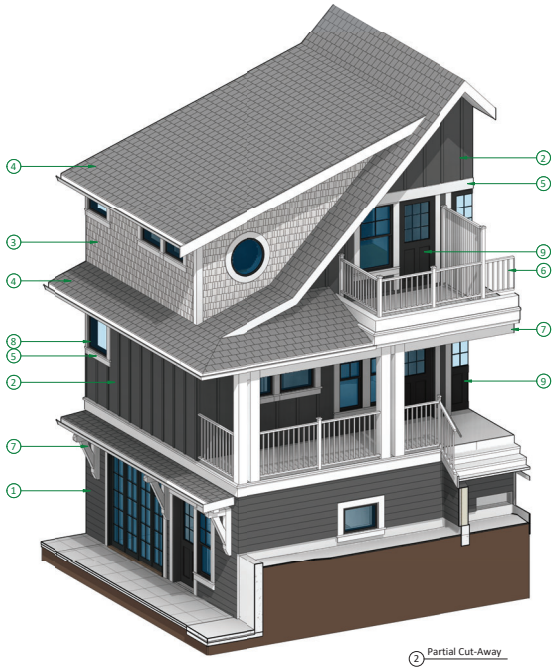


4 ROOFING SHINGLES - LIGHT GREY

3 FIBRE-CEMENT SHINGLES - LIGHT GREY

2 BOARD & BATTEN - CHARCOAL GREY

1 HORIZONTAL SIDING - CHARCOAL GREY



2 Partial Cut-Away

EXTERIOR FINISH LEGEND

1	HORIZONTAL SIDING - CHARCOAL GREY
2	BOARD & BATTEN - CHARCOAL GREY
3	FIBRE-CEMENT SHINGLES - LIGHT GREY
4	ROOFING SHINGLES - LIGHT GRAY
5	PAINTED TRIM - WHITE
6	PREFINISHED ALUMINUM RAILINGS - WHITE
7	PAINTED WOOD POSTS & BEAMS - WHITE
8	BLACK WINDOW FRAMES
9	BLACK DOORS

Christine Lintott Architects Inc.

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Issue	Date
FOR DEVELOPMENT PERMIT	2022-02-07

Revision

No.	Description	Date
18	RAILING MATERIAL REVISED	2022-05-17

Consultant

REGISTERED ARCHITECT CHRISTINE LINTOTT BRITISH COLUMBIA

633 Belton Avenue

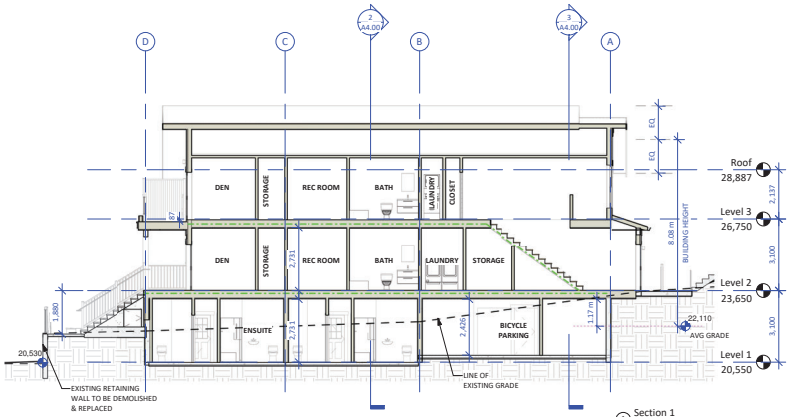
633 Belton Avenue

Exterior Materials

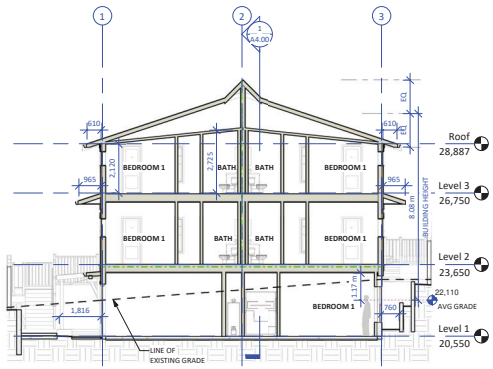
Date	2022-05-17 10:50:35 AM
Drawn by	CC
Checked by	CL

A3.01

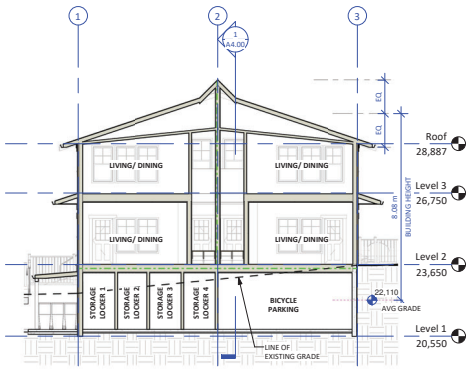
Scale 1 : 25



1 Section 1
1 : 100

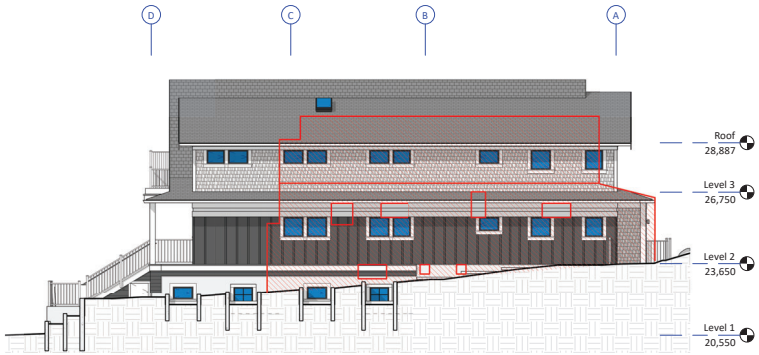


2 Section 2
1 : 100



3 Section 3
1 : 100

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



4 Window Overlay - East
1 : 100

5 Window Overlay - West
1 : 100

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Issue	Date
FOR DEVELOPMENT PERMIT	2022-02-07

Revision

No.	Description	Date
6	AVG GRADE RECALCULATED	2022-05-17
7	HEIGHT INCREASED	2022-05-17
8	EXISTING GRADE LINES ADDED	2022-05-17

Consultant

REGISTERED ARCHITECT CHRISTINE LINTOTT ARCHITECT BRITISH COLUMBIA

633 Belton Avenue

633 Belton Avenue

Building Sections & Window Overlay Elevations

Date	2022-05-17 10:50:43 AM
Drawn by	CC
Checked by	CL

A4.00

Scale: As indicated