2524 & 2528 ST. JOHN'S STREET



[4	16	8		Project Name	Project Address	Sheet Name	Sheet No.		These plans are COPYRIGHTED and ALL	■ MARA + NATHA
2	3	15	7		6 STOREYS MIX-USED	2524 & 2528 ST JOHN	TITLE SHEET	A100			ARCHITECTURE LTD.
	2	14	6		BUILDING	STREET, PORT	TITLE OTILL!			strictly prohibited. This plan and design are, and at all times remain the exclusive property	285 - 9600 Cameron Stree Burnaby B.C. V3J 7N3
2	1	13	5		Boilding	MOODY, BC		Project No. 200903		MARA + NATHA ARCHITECTURE LTD. and may not be reproduced without written consent.	O: 604. 420-2233
2		12	4			MICCE 1, EC				It is the responsibility of the Owner and General	C: 604. 970-8413
		11	3					Start of Project		Contractor to verify all dimensions and site conditions prior to commencement of work and they shall notify the architect of any errors.	Email: rob@maraarch.com
1	3	10	2					SEPT 2020		omissions or discrepencies. Any work	Web: www.maraarch.com
	7	9	1	PRELIMINARY DESIGN SUBMISSION TO PLANNING JAN 28 20	n e				SIGN & SEAL	the full responsibility of the Owner and General Contractor	AIBC, AAA, SAA



LEGAL DESCRIPTION: 2524 ST JOHNS STREET LOT B, PLAN 78768, DISTRICT LOT 210, NEW WEST DISTRICT

2528 ST JOHNS STREET LOT H, BLOCK 10, PLAN NWP20413, DISTRICT LOT 201, NEW WEST DISTRICT GROUP 1, OF 586.

2528 ST JOHNS STREET 008-798-940

EXISTING ZONE:

PROPOSED ZONE: CRM2

LOT AREA: 2524 ST. JOHN ST.: 527.59 m² (5 678 SF) 2528 ST. JOHN ST.: 1 213.68 m² (13 083 SF) COMBINED TOTAL: 1 741. 27 m² (18 742 SF)

DENSITY MAX. ALLOWED: 2.5 FAR PROPOSED: 5.44

MEIGHT:
MAX. ALLOWED: 23.0 m OR 6 STOREYS, WHICHEVER IS LESS PROPOSED: 30.7m (8 STOREYS)

LOT COVERAGE MAX. ALLOWED: N/A PROPOSED: 87.41 %= 0.8741= 1522 / 1741.27

SETBACKS

REQUIRED: FRONT LOT LINE: N/A

SIDE LOT LINE: 1.5 m, EXCEPT IT SHALL BE 0.0 m WHRE ABUTTING A COMMERCIAL ZONE AND 3.0 m FOR AN EXTERIOR LOT LINE

REAR LOT LINE: NON REQUIRED, EXCEPT, WHERE A LOT ABUTS OR IS SEPARATED BY A LANE FROM A RESIDENTIAL ZONE, IT SHALL BE 3.5 m.

PROPOSED: FRONT LOT LINE: 1.5m EXTERIOR LOT LINE (EAST): 0.4m (3.0 m at GROUND LEVEL) SIDE LOT LINE (WEST): 0.0 m REAR LOT LINE: 1.3 m

- LANDSCARING

 A. MALE LANDSCARING

 B. SHALL BE LANDSCARED.

 A. MOY OFF TO FAIL OT NOT USED FOR BUILDING, PARKING, LOADING, OR DRIVEWAYS

 B. SHALL BE LANDSCARED.

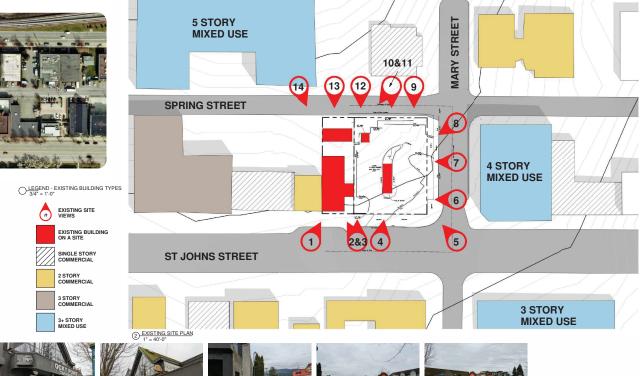
 AN OFF STREET PARKING, LOADING, OR LURENCLOSED STORAGE AREA SHALL BE
 SEPARATED FROM A MOJONING STREET BALANDSCARED STIPP NOT LESS THAN

 AN OFF STREET PARKING, LOADING, OR LUNENCLOSED STORAGE AREA SHALL BE
 SEPARATED FROM A DRIECTLY ABUTTING LOT BY A LANDSCARED AREA OF NOT LESS

 WHERE BA MACCESS DRIVEWAY MASTERS A LANDSCARED SCREEN, THE SCORED SHALL

 BE NOT MORE THAN 30 as IN HEIGHT FOR A MINIMUM DISTANCE OF 2.0 III, EXCEPT

 FOR IS AND IT ZOMES.







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24 16 16 18 23 23 14 16 16 17 17 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19		6 STOREYS MIX-USED 2524 & 2528 ST. JOHN	SITE PLAN	Sheet No. A101		These plans are COPYRIGHTED and ALL RIGHTS ARE RESERVED. The reproduction of these plans in any form, in part or as a whole is strictly prohibbed. This plan and design are, and at all times remain the exclusive property
21 13 5 20 12 4		BUILDING STREET, PORT MOODY, BC		Project No. 200903		of MARA + NATHA ARCHITECTURE LTD, and may not be reproduced without written consent. It is the responsibility of the Cumer and General Contention to work all dimensions and dental content of the Conte
19 11 5 18 10 12 2 17 9 9 11	PRELIMINARY DESIGN SUBMISSION TO PLANNING JAN 28 2021		•	Start of Project SEPT 2020	SIGN & SEAL	Contractor to verify all dimensions and site conditions prior to commencement of work and they shall notify the architect of any errors, or missions or of derengencies. Any work (Completed willhout architects Knowledge will be in the United to the Completed will be in the United to Completed will be in the United to Completed will be in the United to Complete the United to Complete will be in the United to Complete the United t







6 3D VIEW - ST JOHNS -1





2 MASSING - PERSPECTIVE - 1



(3) MASSING - ST JOHNS ST





MASSING - SPRING ST

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23		15			7		
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17		9			1	PRELIMINARY DESIGN SUBMISSION TO PLANNING	JAN 28 2021

6 STOREYS MIX-USED BUILDING STREET, PORT MOODY, BC

3D VIEWS

A102 SEPT 2020

SIGN & SEAL the full responsibility of the Owner and

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b 3D VIEW - NORTH - 5





3D VIEW - NORTH - 1 Copy 1

	F8 F7 F7 F6 F6 F5 F5 F5 F5 F5 FA
② 3D VIEW - SECTION	G GREEN SPACE LIGHTING

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6 STOREYS MIX-USED BUILDING 2524 & 2528 ST. JOHN STREET, PORT MOODY, BC

A103 3D VIEWS-2 200903 SEPT 202

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3		These plans are COF RIGHTS ARE RESE these plans in any fo strictly prohibited. Th and at all times rema
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20		conditions prior to co they shall notify the a omissions or discrep completed without an
	SIGN & SEAL	the full responsibility

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PARKING PERSONAL SERVICE 1 SPACE PER 40 m² OF FLOOR AREA

APARTMENT
MARKET DWINGSHAP
MARKET DWINGS

BELOW MARKET RENTAL

0.9 SPACE PER DWELLING UNIT 0.1 VISITOR SPACES PER DWELLING UNIT

RESTAI	JRAN'						
1 SDAC	C DCD	18 m2	OF	EI	COR	ADEA	

RETAIL, INCLUDING RETAIL FOOD SERVICE	Parking Angle	One-Way Aisle Width (m)	Two-Way Ai Width (m)
1 SPACE PER 40 m ² OF FLOOR AREA	90°	6.7	6.7
ACCESSIRI E PARKING	60°	5.5	6.1
1-39 REQUIRED PARKING SPACES: 1 ACCESSIBLE PARKING	45*	4.0	6.1
40-74 REQUIRED PARKING SPACES: 2 ACCESSIBLE PARKING 75-124 REQUIRED PARKING SPACES: 3 ACCESSIBLE PARKING	30°	4.0	6.1
125-174 REQUIRED PARKING SPACES: 3 ACCESSIBLE PARKING 125-174 REQUIRED PARKING SPACES: 4 ACCESSIBLE PARKING	Parallel	3.8	6.0

FOR EACH ADDITIONAL 50 PARKING SPACES OR PART THEREOF IN EXCESS OF 50: 1 ADDITIONAL PARKING SPACE

ACCESSIBLE PARKING SPACE: 3.7 m PLUS 1.2 m CLEAR PEDESTRIAN AISLE

- A MAXIMUM OF 59% OF THE TOTAL PARKING REQUIREMENT MY BE PROVIDED AS SMALL CAR PARKING SPACES.

 WHERE A PARKING SPACE OR MANCEUVERING AGE ABUTS A WALL ALONG ITS SOE GREATER THAN 0.3 m IN HEIGHT, THE SPACE OR AGE. SHALL BE
 AN OSSTRUCTION COLUMNOR SMALLS SUPPORT ELEMENT SHALL BE SET BOKCA ANIMINATION OF BOTH TO THE PARKING SPACE. OBSTRUCTIONS LOCATED ON UTSIDE OF THESE LOCATIONS SMALL BE CONSIDERED AS A WALL AND
 SCITION 618 SHALL BY.

 WHEN THE MANGER OF REQUIRED PARKING SPACE RESULTS IN A FRACTIONAL SPACE, ANY FRACTION OF 0.5 OR LESS MY BE ISREGARDED, AND ANY
 PRACTION GREATER THAN 0.5 SHALL REQUIRE ONE ADDITIONAL OFFICE.

PARKING CALCULATION

PARKING - REQUIRED - UNITS

RENTAL TYPE	# UNITS	STALLS REQ. (per unit)	VISITOR REQ. (per unit)	STALLS REQ.	VISITOR REQ.	# STALLS REQ.
BELOW MARKET RENTAL	17	0.9	0.1	15	2	17
MARKET RENTAL	95	1.1	0.2	105	19	124
Grand total	112			120	21	141

PARKING - REQUIRED- COMMERCIAL

Department	Area	PARKING REQ. (1 per)	# STALLS REQ.
COMMERCIAL	391.5 m ²	40.0 m ²	10

PARKING - PROVIDED - TOTAL

LEVEL	SIZE	USAGE	# STALLS
P1	SMALL CAR	RESIDENTS	8
P1	STANDARD	COMMERCIAL	9
P1	STANDARD	RESIDENTS	10
P1	STANDARD	VISITOR	3
P1: 30			30
P2	ACCESSIBLE	RESIDENTS	2
P2	SMALL CAR	RESIDENTS	12
P2	STANDARD	RESIDENTS	21
P2: 35		•	35
GRAND TO	TAL: 65		65

TOTAL REQUIRED PARKING STALLS: 151
TOTAL PROVIDED PARKING STALLS: 65
GROUND LEVEL: 0 STALLS
UIG PARKING LEVEL 1 : 30 STALLS
UIG PARKING LEVEL 2 : 35 STALLS
UIG PARKING LEVEL 3: 65 STALLS
TOTAL STALLS : 65 STALLS (43.04 %)

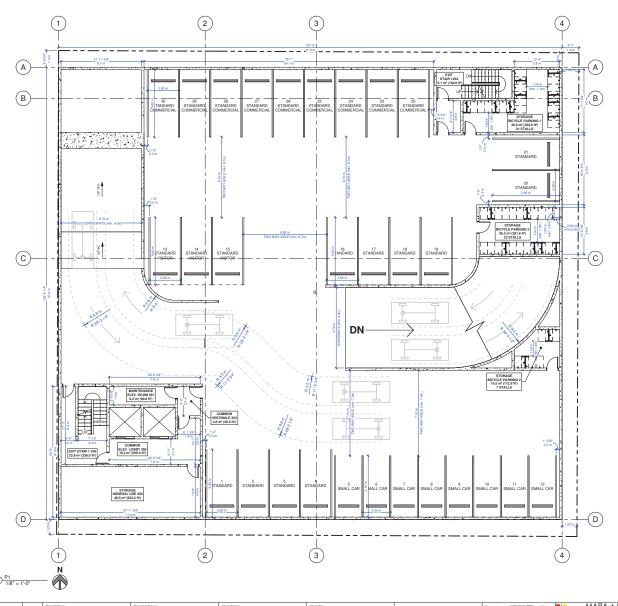
SMALL CAR REQUIREMENTS
TOTAL SMALL CAR ALLOWED 39% STALLS MAX (85 X 0.33 = 21.45 = 21 STALLS)
GOVAL DEPARTMENT OF STALLS
GOVAL CAR STALLS
UG PARRING LEVEL 1:8 SMALL CAR STALLS
UG PARRING LEVEL 2:12 SMALL CAR STALLS

ACCESSIBLE PARKING SPACES TOTAL PROVIDED : 2 STALLS

OFF-STREET LOADING

REQUIRED UNIMEER OF LIADANG SPACES.
ON EVERY FOR THE SPACE AS A REFER STORE COMMERCIAL, BIOUSTRIAL, WAREHOUSE, OR ANY SMILAR USE, THE MINIMUM NUMBER OF SPACES SHALL BELESS THAM 44.5 or (2000 SF): 1 LOADING SPACE
44.5 or (10 2 32.5 or (2000 SF): 1 LOADING SPACE
PROPOSED COMMERCIAL SPACE AS A SPACE AS A SHALL BEREFER SPACE OF SPACE AS A SPACE AS A SHALL BEREFER SPACE COMMERCIAL SPACE COMMERCIAL SPACE AS A SHALL BEREFER SPACE COMMERCIAL SPACE COMMERCIAL SPACE AS A SHALL BEREFER SPACE COMMERCIAL SP

REQUIRED DIMENSION OF LOADING SPACES (WxLxH): 3.0 m (9.8 FT) X 9.2 m (30 FT) X 4.3 m (14.1 FT)





BICYCLE PARKING

REQUIRED NUMBER OF BICYCLE PARKING SPACES:
APARTMENT:
LONG TERM SPACES 15 SPACES PER DWELLING UNIT
SHORT TERM SPACES 15 SPACES FOR EACH APARTMENT BUILDING ON A LOT 50 DWELLING UNITS, NOT APPLICABLE TO BUILDINGS WITH LESS THAN 10 UNITS
COMMERCIAL USE
COMMERCIAL USE

OR METER APARTMENT OF THE COMMERCIAL USE

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CUMMERCIAL USE:

LONG TERM SPACES: FOR ANY BUILDING WITH 750 m2 OR MORE OF FLOOR AREA, 1 SPACE PER 750 m2 OF FLOOR AREA SHORT TERM SPACES: 6 SPACES FOR ANY BUILDING WITH 750 m2 OR MORE OF FLOOR AREA.

Required Parking Space Dimensions

Angle	Type of Vehicle	Stall Width (m)	Pedestrian Aisie (m)	Stall Length (m)	Vertical Clearance (m)	
Angled	Standard	2.6	N/A	5.6	-	
Parking	Small Car	2.3	N/A	5.1	2.1	
	Accessible	3.7	1.2	5.6		
	Tandem	2.6	N/A	11.2		
Parallel	Standard	2.6	N/A	6.7	-	
Parking	Small Car	2.3	N/A	6.7	2.1	
	Accessible	2.6	1.2	6.7		
All Other Situations	Standard	2.6	N/A	5.6	2.1	

Type of Parking	Siting Requirements*
Underground	1.2m from minimum front or Exterior Side Lot Line Setback to accommodate
Parking	the roots of planted trees.
Surface	1.5m from any Lot line common to the parking area and 3.0m common to a
Parking	Street and in no case encreaching on a required landscaping area.

PROPOSED BICYLE PARKING SPACES: LONG TERM SPACES: 170 SHORT TERM SPACES: 12

AMENITY SPACE
MIN. REQUIRED: 3.0 m2 PER DWELLING UNIT (OUTDOOR COMMON AMENITY SPACE SHALL NOT BE LOCATED WITHIN THE REQUIRED SETBACKS)
REPORTSET:

LOT SIZE MIN. REQUIRED AREA: 2 400.0 m2 MIN. REQUIRED LOT WIDTH: 60.0 m

PARKING - REQUIRED - BICYCLE

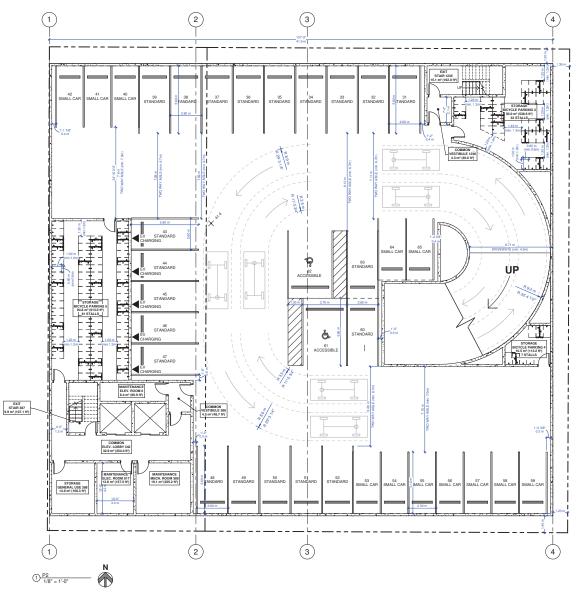
# UNITS	LONG TERM SPACES (per unit)	LONG TERM REQ.	SHORT TERM REQ.
112	1.5	168	12

PARKING - PROVIDED - BICYCLE LONG TERM

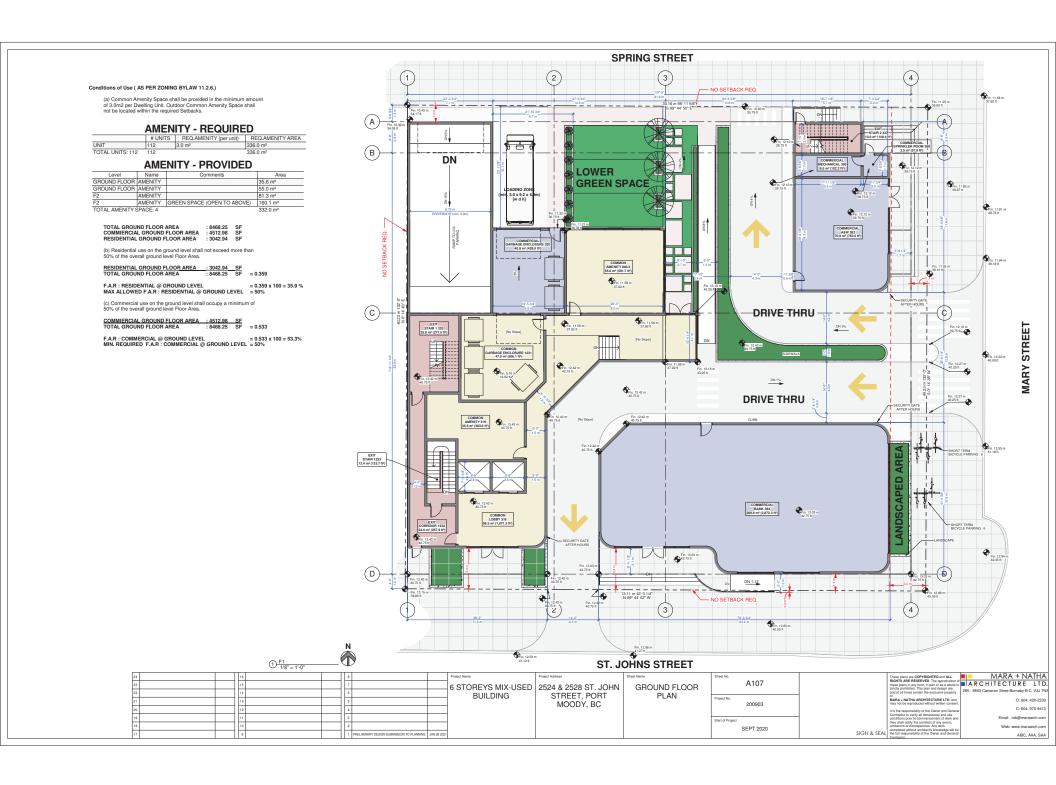
	SIZE	STORAGE METHOD	# LONG TERM STORAGE
BICYCLE PARKING	Min. 1.0m x 0.6m	VERTICAL STORAGE	170

PARKING - PROVIDED - BICYCLE SHORT TERM

	SIZE	STORAGE METHOD	# SHORT TERM SPACES
BICYCLE RACK	6 CAPACITY	Rolling Rack	12







FLOOR AREA RATIO CALCULATION (AS PER ZONING BYLAW 5.3.4.)

(b) FOR ALL USES OTHER THAN SINGLE AND SEMI-DETACHED RESIDENTIAL AND DETACHED ACCESSORY DWELLING UNITS, THE FLOOR AREA CALCULATION SHALL:

(i) INCLUDE ALL FLOOR AREA, INCLUDING ACCESSORY BUILDINGS, CORRIDORS, ELEVATOR SHAFTS, FOYERS, HALLWAYS, LANDINGS, MEZZANINES, STAIRCASES, AND STAIRWELLS INCLUDING ANY AREA BENEATH THEM:

(ii) EXCLUDE A MAXIMUM ON 2.0 m2 FOR EACH DWELLING UNIT DESIGNED AND BUILT TO COMPLY WITH ADAPTABLE HOUSING STANDARDS RELATING TO GIRCULATION AND KITCHEN, BATHROOM, FIXTURE, AND FLOORING REQUIREMENTS AS SET OUT IN THE BRITISH COLUMBIA BUILDING CODE;

(iii) PROVIDED THAT THE EXTERIOR WEATHER PROTECTION WALL SYSTEM HAS BEEN APPROVED BY PROFESSIONAL BUILDING ENVELOPE

- SYSTEM HAS BEEN APPROVED BY PROFESSIONAL BUILDING ENVELOPE

 ENGINEER, EXCLUDE EITHER:

 EXTERIOR CLADDING UP TO A MAXIMUM THICKNESS OD 0.165 m;

 POR EXTERIOR SOLID WALL SYSTEMS, 50% OF THE THICKNESS;

 OF THE EXTERIOR SOLID WALL SYSTEM UP TO A MAXIMUM

 EXCLUSION OF 0.165 m; SOUR SYSTEM UP TO A MAXIMUM

 EXCLUSION OF 0.165 m; SOUR SECRESS OF 0.165 m PROVIDED

 THAT WALL THICKNESS ARE USED EXCLUSIVELY FOR PROVISION OF INSULATING MATERIALS:

(iv) EXCLUDE ENCLOSED PARKING AND LONG-TERM BICYCLE PARKING, UNLESS EITHER PARKING IS A PRINCIPAL USE;

(v) EXCLUDE INDOOR COMMON AMENITY SPACE PROVIDED IT IS HELD IN COMMON OWNERSHIP;

(vi) EXCLUDE ANY PORTION OF FLOOR AREA OPEN TO BELOW WHICH IS USED EXCLUSIVELY FOR NATURAL VENTILATION UP TO A MAXIMUM OF 1% OF THE FLOOR AREA.

(viii) EXCLUDE GREEN BUILDING SYSTEMS, PROVIDED THAT:

- EXCLUDE GREEN BUILDING SYSTEMS, PROVIDED THAT ANY PORTION OF FLOOR CONTAINING AN IN-SUITE HEAT RECOVERY VENTILATOR, UP TO A MAXIMUM OF 1.39 ME FOR EACH DWELLING DINT, PROVIDED THAT THE SYSTEM BE LOCATED IN AN ACCESSIBLE LOCATION WITHIN EACH DWELLING UNIT, HAVING A MINIMUM HEADON OL LEARANCE OF 2.0 m. AND BE DESIGNED AN TEXT OF THE THE TOWN OF THE TOW
- ANY PORTION OF MECHANICAL ROOM CONTAINING A GREEN ANY POHION OF MECHANICAL PRIMARY SOURCE AS THE PRIMARY SOURCE OF DOMESTIC HOT WASTERN OR USED AS THE PRIMARY SOURCE OF DOMESTIC HOT WASTER OR SPACE HEATING, UP TO A MAXIMUM OF \$2.9 m.2 FOR EACH BULLDING, PROVIDED THAT THE SUILDING, HAVING A WINNIMMUM HEADROOM CLEARANCE OF 2.0m.

(ix) EXCLUDE STORAGE SPACE IN UNDERGROUND PARKING.

DENSITY BONUS (AS PER ZONING BYLAW SECTION 7)

7.2.1. THE RESIDENTIAL FLOOR AREA RATIO ON ANY LOT BEING DEVELOPED MAY BE INCREASED ABOVE 2.5, WHERE ACHIEVABLE IN PROVIDENCE AND APPLICANT (OWNER PROVIDING AMENIES TO THE CITY BY WAY OF A FINANCIAL CONTRIBUTION TO THE CITY TO BE HELD IN A FUND FOR CITY INITIATED CULTURAL, RECREATIONAL OR OTHER RELATED PURPOSES TO BENEFIT THE CITY GENERALLY, AS IDENTIFIED IN THE CITY SO FICIAL COMMUNITY PLAN.

7.2.2. THE AMOUNT OF THE AMENITY CONTRIBUTION SHALL BE EQUIVALENT TO 75% OF THE LAND VALUE OF THE ADDITIONAL DENSITY ABOVE A FLOOR AREA RATIO OF 2.5 AND SHALL BE ESTABLISHED BY WAY OF AGREEMENT, OR FAILING AGREEMENT, AS DETERMINED BY A QUALIFIED APPRAISER TO BE SELECTED BY THE CITY.

7.2.3. CALCULATION OF THE FLOOR AREA RATIO ON A LOT FOR THE PURPOSE OF CALCULATING THE BONUS DENSITY SHALL EXCLUDE ALL

- PURPOSE OF CALCULATING THE BONUS DENSITY SHALL EXCLUDE ALL FLOOR AREA THAT IS FOR:

 a. ASSEMBLY, COMMERCIAL, HOSPITAL, HOTEL, LIGHT INDUSTRIAL, CIVIC, AND ALL OTHER NON-RESIDENTIAL USE; AND

 b. THE PROVISION OF LOW-INCOME HOUSING OR MODERATE-INCOME HOUSING.

7.2.4. THE CITY MAY, AT ITS OPTION, ELECT TO ACCEPT ALL OR ANY PORTION OF AMENITY CONTRIBUTION TO BE RECEIVED FOR DENSITY BONUS IN THE FORM OF AMENITIES THAT ARE IDENTIFIED IN OR CONSISTENT WITH GOALS AND OBJECTIVES SET OUT IN THE CITY'S OFFICIAL COMMUNITY PLAN

DENSITY CALCULATION

LOT AREA : 1,741.27 m²

ADAPTARI E LINITS EXEPTION

TOTAL ADAPTABLE UNITS: 28
TOTAL ADAPTABLE UNITS: 28
TOTAL ADAPTABLE UNITS EXEMPTION: 56 m2 (603 SF) = 28 X 2

Area Schedule (Gross Building)			
Level	Name	Area	Area(m)
GROUND FLOOR	G-1	2,170.5 ft ²	201.6 m ²
GROUND FLOOR	G-2	3,023.5 ft ²	280.9 m ²
GROUND FLOOR	G-3	1,170.8 ft ²	108.8 m ²
F2	Area	13,146.9 ft ²	1,221.4 m ²
F3	Area	13,123.7 ft ²	1,219.2 m ²
F4	Area	12,806.8 ft ²	1,189.8 m ²
F5	Area	14,257.8 ft ²	1,324.6 m ²
F6	Area	14,333.9 ft ²	1,331.7 m ²
F7	Area	13,863.7 ft ²	1,288.0 m ²
F8	Area	14,026.9 ft ²	1,303.1 m ²
Grand total: 10		101,924.4 ft ²	9,469.1 m ²

PROPOSED DENSITY: 5.44 9786.5 / 1741.27 = 5.44



SEPT 2020

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