# LOTS 1, 2, 3, & 4, GORDON DR & MARTIN AVE, KELOWNA, BC





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# PROPERTY DESCRIPTION

CIVIC: 1444 & 1448 GORDON DRIVE, & 1085 MARTIN AVENUE LEGAL: LOTS 1, 2, 3, & 4, PLAN KAP1472

## CONSULTANT TEAM

OWNER/ OPERATOR (1444 GORDON DR & 1085 MARTIN AVE)

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OWNER/ OPERATOR (1448 GORDON DR)

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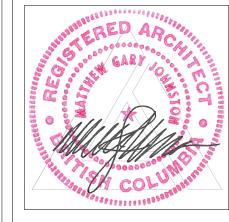
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and Description 11.03.23 FOR REVIEW 01.10.24 FOR DP REVIEW 01.17.24 FOR DP 01.29.24 FOR DP 02.05.24 FOR DP

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Gordon Dr & Martin Ave DRAWING TITLE

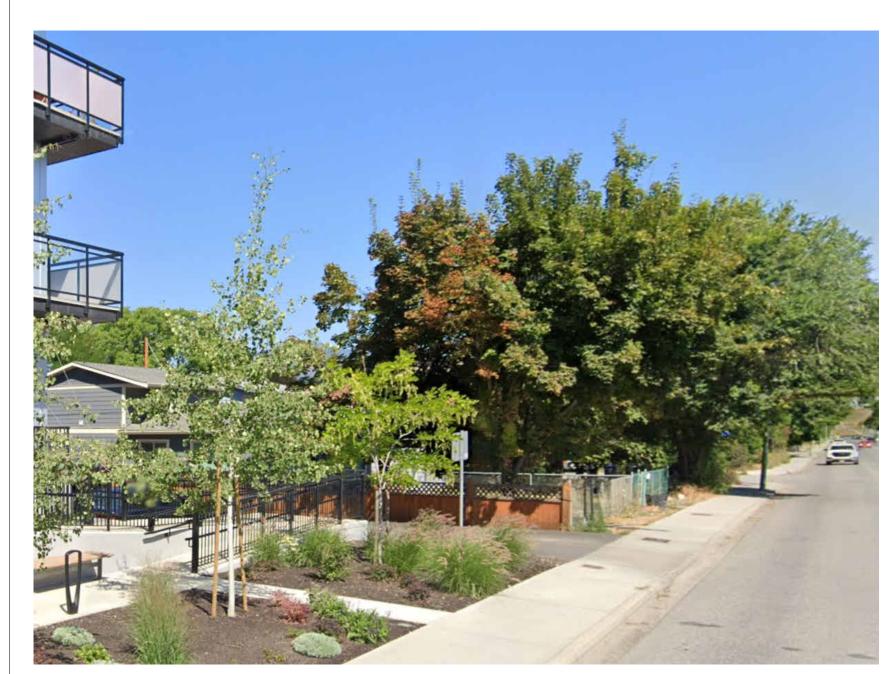
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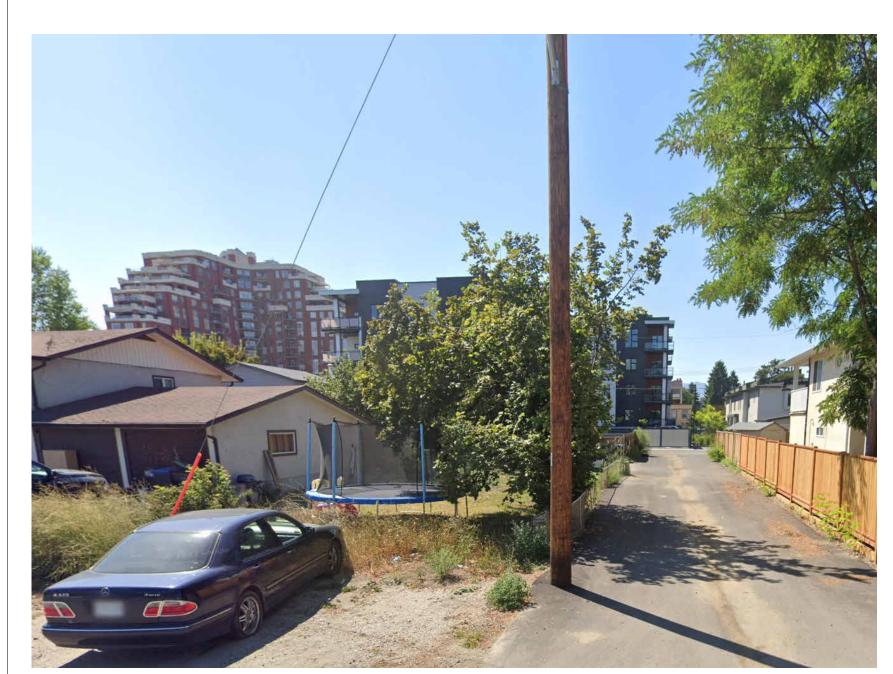
# Site Description & Current Conditions

The proposed development consists of a four-lot assembly located at the corner of Gordon Drive and Martin Avenue, with parkade access from a lane. The proposed development is located in the Core Area, east of the Downtown Urban Centre, a vibrant and developing area with many amenities. Located next to a newer 4-storey apartment building, the proposed 6-storey building will fit well within the neighbourhood.

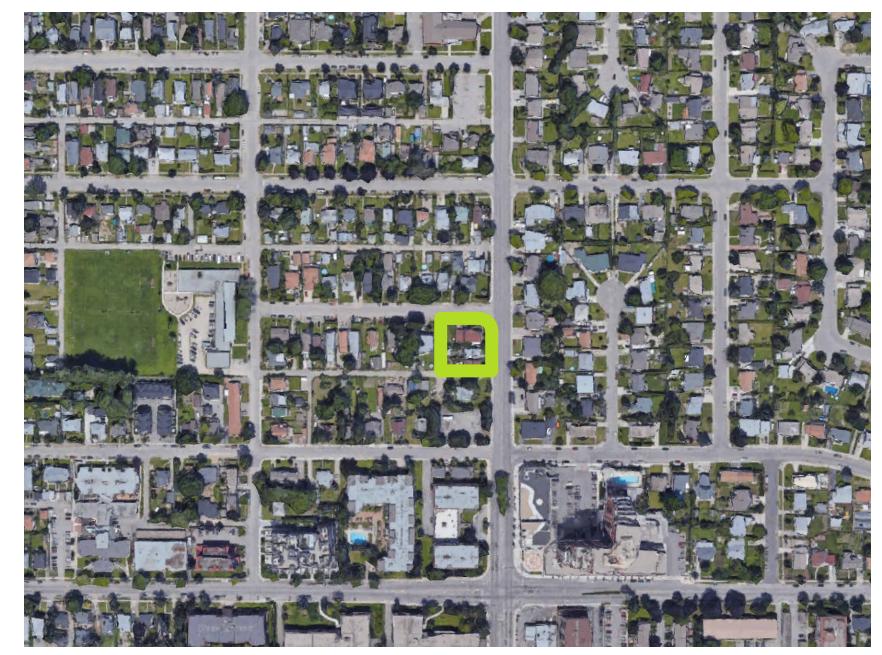
The site is within close proximity to grocery and retail stores, restaurants, schools and parks, and, being located on a transit supportive corridor, has frequent transit nearby to support the rental tenants.



1. VIEW FROM GORDON ROAD FACING THE SITE



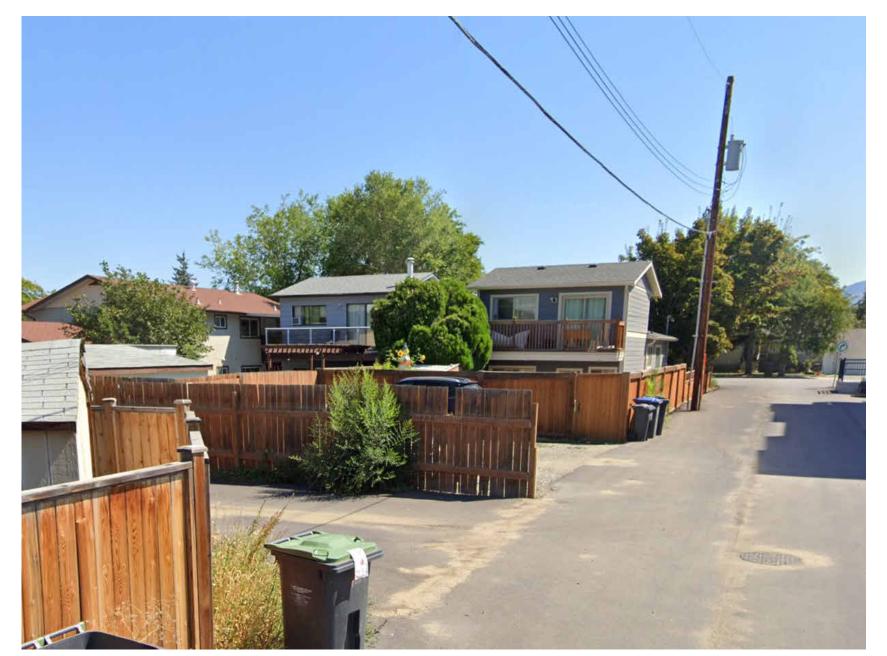
4. VIEW FROM MARTIN AVENUE FACING THE LANE



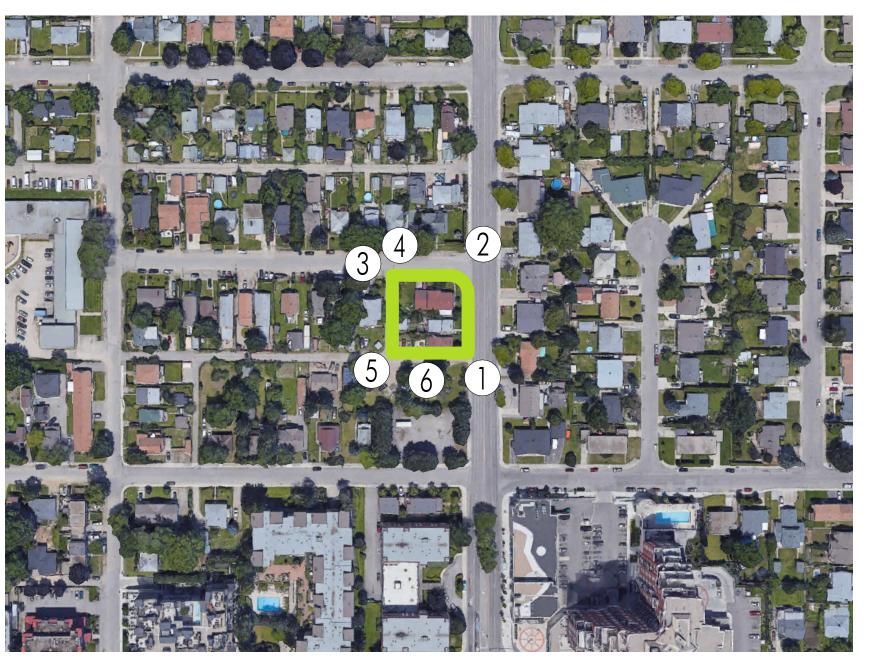
SITE LOCATION



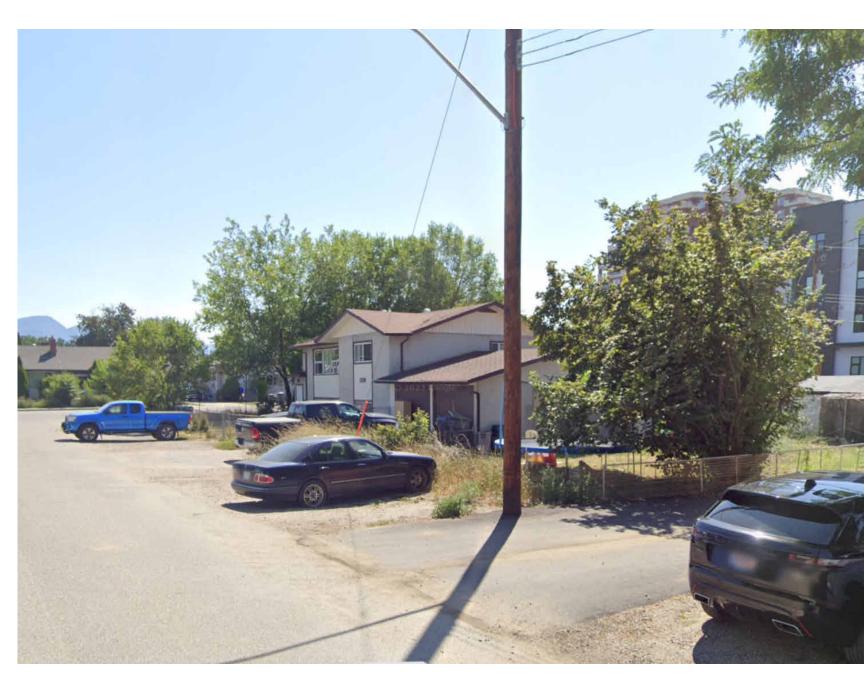
2. VIEW FROM GORDON ROAD AND MARTIN AVENUE FACING THE SITE



5. VIEW FROM THE CORNER OF THE LANES FACING THE SITE



SITE CONDITION KEY MAP



3. VIEW FROM MARTIN AVENUE FACING THE SITE



6. VIEW FROM THE SOUTH LANE FACING THE SITE



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LOCATION CONTEXT



## Iransportation

Located on Gordon Drive, a Transit Supportive Corridor, Kelowna's transportation network is accessible to residents who wish to explore other areas in Kelowna. Not only is the property located on a Transit Supportive Corridor, but it is also located near two other Transit Supportive Corridors. Bernard Avenue is only two blocks away, and Highway 97 is only five blocks away, both of which are Transit Supportive Corridors.

The site is located near multiple bicycle paths as well. Ethel Street, only two blocks over, is a primary bicycle route that runs all the way down to Okanagan College. Two blocks down from the site, Bernard Avenue provides a seconday bicycle route that runs between Richter Street and Burtch Road. While these bicycle paths are already in place, there are additional bicycles paths planned to go on Gordon Drive, Stockwell Avenue, and Lawrence Avenue, making this an extremely bicycle friendly neighbourhood



SURROUNDING TRANSIT



SURROUNDING BICYCLE PATHS

Secondary

UC - Urban Centre

VC - Village Centre

R-RES - Rural Residential

IND - Industrial

REC - Private Recreational

NAT - Natural Area

Future Primary

Future Secondary

# Response to Core Area Guidelines

## Land Use and Urban Design Guidelines

Provide private and common amenity space to enhance overall development benefit:

- Private balconies have been provided for each apartment
- All ground-oriented units have access from grade, and are provided access to common amenity space on the

Encourage nature within Urban Centres with design elements:

Generously sized decks and rooftop amenity space has been provided

## Housing Guidelines

Increase diversity to create inclusive, affordable housing:

- Ground-oriented units have been provided to support family-friendly housing, and 10% of all units are three bedrooms
- The design includes private open space and common rooftop amenity space to encourage social connections and inclusion

## Transportation Guidelines

Respond to shifting demand for off-street parking facilities:

- Bonus Long-Term bicycle parking has been provided to encourage use of the City's nearby bicycle routes
- Discourage parking oversupply in Urban Centres to reduce car use and increase pedestrian vibrancy



2040 OCP FUTURE LAND USE PLAN

# Response to Form & Character

## Relationship to Street Guidelines

Avoid blank walls at grade wherever possible:

- Ground-oriented units provided along fronting streets avoid creating dead frontages at the ground level
- The parking garage is not visible from the ground level on the fronting streets

Define ground-oriented units:

- Units are set back 2.0m from the property line
- Individual entrances are provided to units and are accessed from the fronting streets

Ensure connection while maintaining privacy:

- Windows and balconies overlook public streets
- Window heights allow privacy for residents

### Scale and Massing Guidelines

Upper storeys of buildings should step back to reduce visual impact and shadows on the public realm:

- Required stepbacks have been provided along the fronting streets to reduce the perceived mass and reduce shading on adjacent properties and walkways
- Additional stepping back of decks is accommodated along Gordon Drive to maximize access to morning sun for the units on the east

## Publicly-Accessible & Private Open Space Guidelines Create mindful rooftop amenity spaces:

 The rooftop amenity space is designed to provide privacy to the occupants of the rootftop, as well as to limit sight lines from the rooftop into adjacent buildings

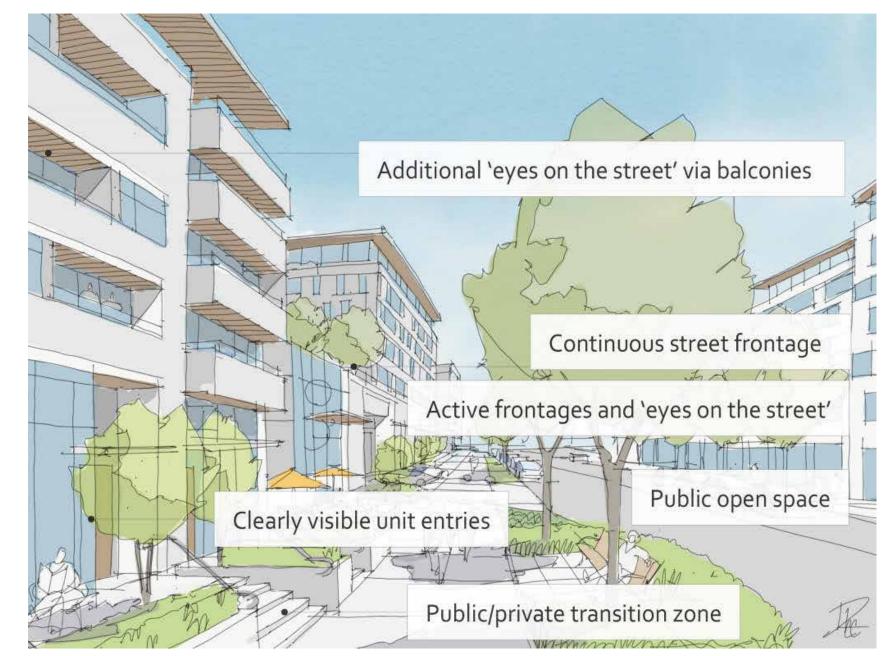
#### Building Articulation, Features, & Material Guidelines

Articulate building facades into intervals of 20m:

 Building projections, material changes, and balcony massing strategies have been implemented to avoid large lengths of building facade

Incorporate distinct architectural treatments for corner sites:

- Wrap-around decks have been provided at the building corners to help emphasize the design at the streetscape
- Accent materials have been used at the corners to further emphasize the design at the streetscape
- Additional setbacks have been provided at the corners of the building to create openness and improve sight lines from the streetscape



2040 OCP RELATIONSHIP TO STREET GRAPHIC

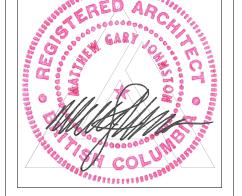
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PROJECT

A-002

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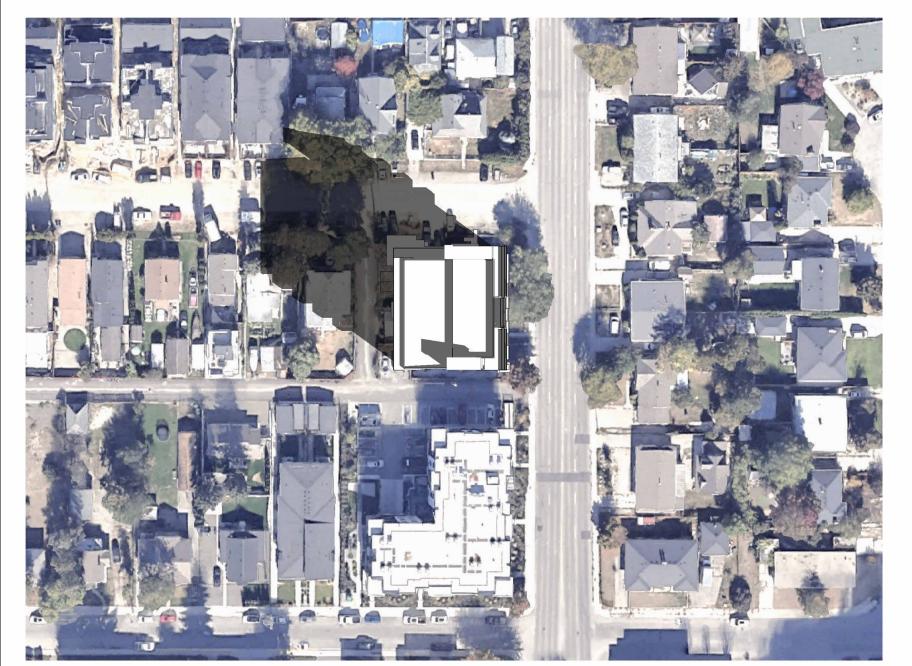
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FOR DP



MARCH 21 AT 9am



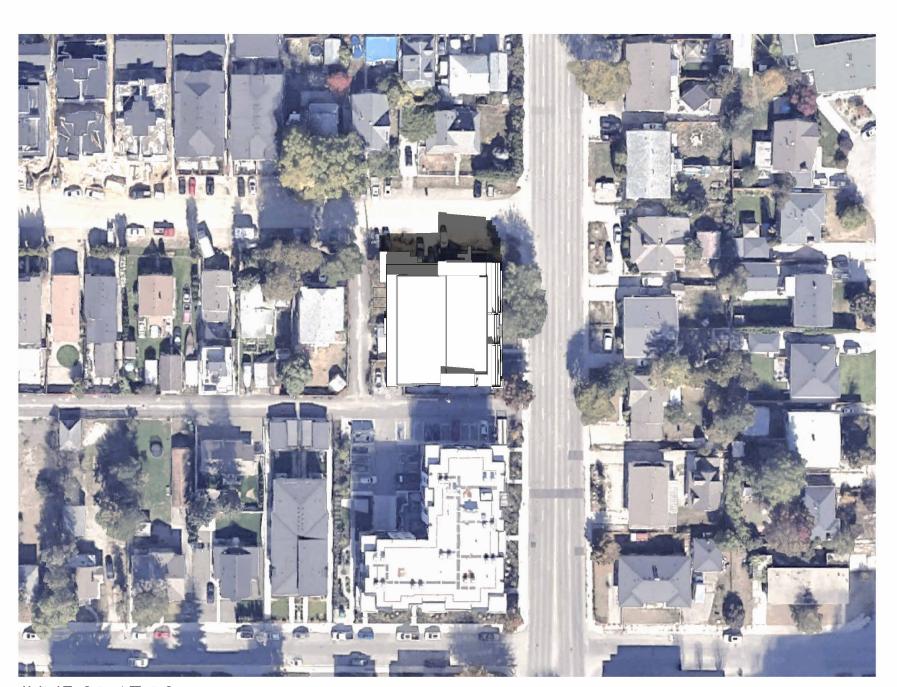
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DECEMBER 21 AT 9am



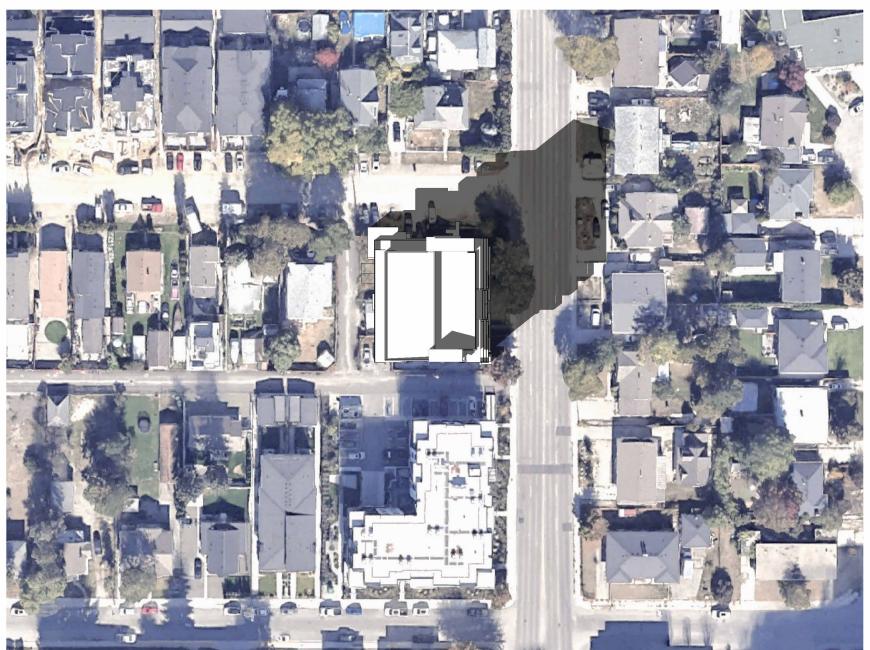
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JUNE 21 AT 12pm



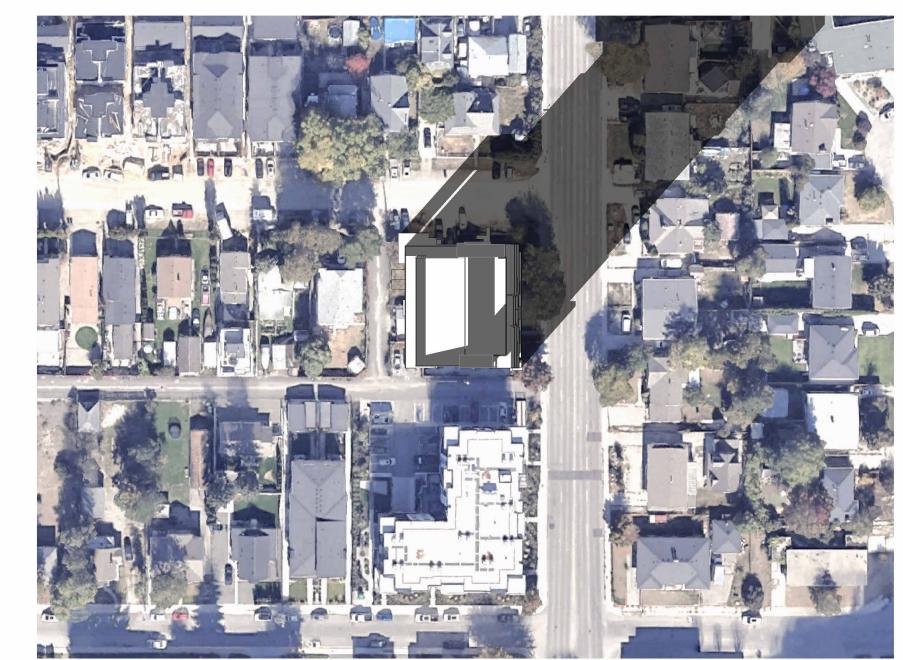
DECEMBER 21 AT 12pm



MARCH 21 AT 3pm



JUNE 21 AT 3pm



DECEMBER 21 AT 3pm



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SOLAR STUDIES

Drawing No.



# LOTS 1, 2, 3, & 4, GORDON DR & MARTIN AVE, KELOWNA, BC

## PROPERTY DESCRIPTION:

CIVIC: 1444 & 1448 GORDON DRIVE, & 1085 MARTIN AVENUE LEGAL: LOTS 1, 2, 3, & 4, PLAN KAP1472

CURRENT: CITY OF KELOWNA RU4 ZONING CORE NEIGHBOURHOOD AREA PROPOSED: CITY OF KELOWNA MF3 ZONING

#### **SITE INFORMATION:**

GROSS SITE AREA = 16,061 SF (1,492 m<sup>2</sup>)

	<u>ALLOWED/REQUIRED</u>	<u>PROPOSED</u>
SITE COVERAGE =	65% (10,440 SF)	57% (9,086 SF)
SITE COVERAGE $+$ HARDSCAPING $=$	85% (13,652 SF)	73% (11,781 SF)
FAR =	1.8 (28,909 SF)	1.8 (28,900 SF)
MIN. DENSITY =	4.75 UNITS/1,000m <sup>2</sup>	22.0 UNITS/1,000m <sup>2</sup>
MAX. HEIGHT WITH BONUS FAR =	22.0m (6 STOREYS)	22.0m (6 STOREYS)

#### PRIVATE & COMMON AMENITY SPACE:

COMMON (33) = $4.0 \text{m}^2/\text{UNIT} = 132.0 \text{m}^2 (1,421 \text{ SF})$ 241.5m<sup>2</sup> (3,000 SF)

PRIVATE / COMMON: 1 BEDROOM UNITS (16) =  $15.0 \text{m}^2/\text{UNIT}$  (16) =  $240.0 \text{m}^2$  (2,583 SF) 251.5m<sup>2</sup> (2,707 SF) PRIVATE: 2+ BEDROOM UNITS (17) =  $25.0 \text{m}^2/\text{UNIT} (17) = 425.0 \text{m}^2 (4,575 \text{ SF})$ 502.9m<sup>2</sup> (5,413 SF)

## YARD SETBACKS:

FRONT YARD = 4.5m FLANKING SIDE YARD = 4.5m FRONT YARD (GROUND-ORIENTED) = FLANKING SIDE YARD (GROUND-ORIENTED) = 2.0m2.0m 3.0m SIDE YARD = REAR YARD (LANE) =3.0m

#### FRONT & FLANKING SIDE YARD STEPBACK =

CORNERLOT =4.5m TRIANGULAR (FIRST STOREY)

#### **ZONING CALCULATIONS:**

ZOMMO CALCOLAMONO.	<u>ALLOWED/REQUIRED</u>	<u>PROPOSED</u>
PARKING CALCULATIONS:		
1 BEDROOM UNITS =	16  UNITS x  1.0 = 16.0	
2 BEDROOM UNITS =	14  UNITS x  1.2 = 15.4	
3 BEDROOM UNITS =	3  UNITS x  1.4 = 4.2	
VISITOR =	33 UNITS $\times$ 0.14 = 4.62	
TOTAL =	41	
TOTAL AFTER BICYCLE INCENTIVE =	36	39
ACCESSIBLE PARKING =	1	1

#### LONG-TERM BICYCLE STORAGE (BONUS):

1 BEDROOM =	16  UNITS x  1.25 = 20	
2 BEDROOM =	14  UNITS x  1.5 = 21	
3 BEDROOM =	3  UNITS x  2.0 = 6	
TOTAL =	47	48

## SHORT-TERM BICYCLE STORAGE:

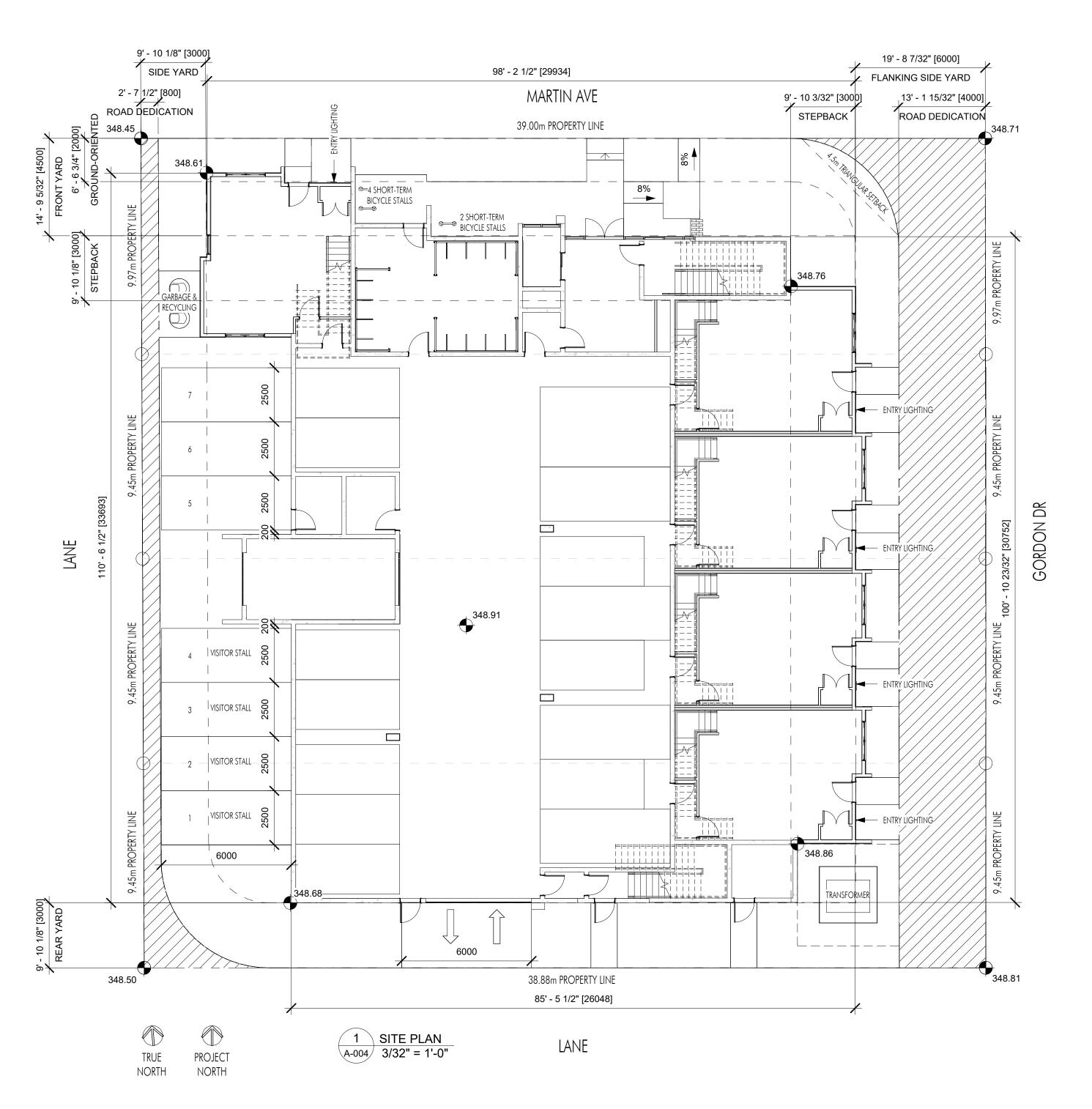
6 PER ENTRANCE =

PARKING		
COUNT	TYPE	
1	ACCESSIBLE - 90 deg	
20	REGULAR - 90 deg	
18	SMALL - 90 deg	
39		

	# OF	EAD	PRIVATE
UNIT	BEDROOMS	FAR	AMENITY
101		1128 SF	
102		1159 SF	
103		1159 SF	
104		1144 SF	
105		1207 SF	
301		684 SF	~180 SF
302		1093 SF	~130 SF
303		697 SF	~180 SF
304		1085 SF	~130 SF
305		697 SF	~180 SF
306		1082 SF	~130 SF
307		685 SF	~180 SF
401		684 SF	~180 SF
402		991 SF	~300 SF
403		697 SF	~180 SF
404		982 SF	~150 SF
405		697 SF	~180 SF
406		974 SF	~300 SF
407		685 SF	~180 SF
501		684 SF	~180 SF
502		991 SF	~300 SF
503		697 SF	~180 SF
504		982 SF	~150 SF
505		697 SF	~180 SF
506		978 SF	~300 SF
507		685 SF	~180 SF
601		684 SF	~180 SF
602		991 SF	~300 SF
603		697 SF	~180 SF
604		979 SF	~150 SF
605		697 SF	~180 SF
606		977 SF	~300 SF
607		683 SF	~180 SF

TOTAL UNIT AREAS 28954 SF

UNIT CALCULATIONS



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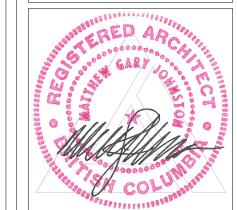
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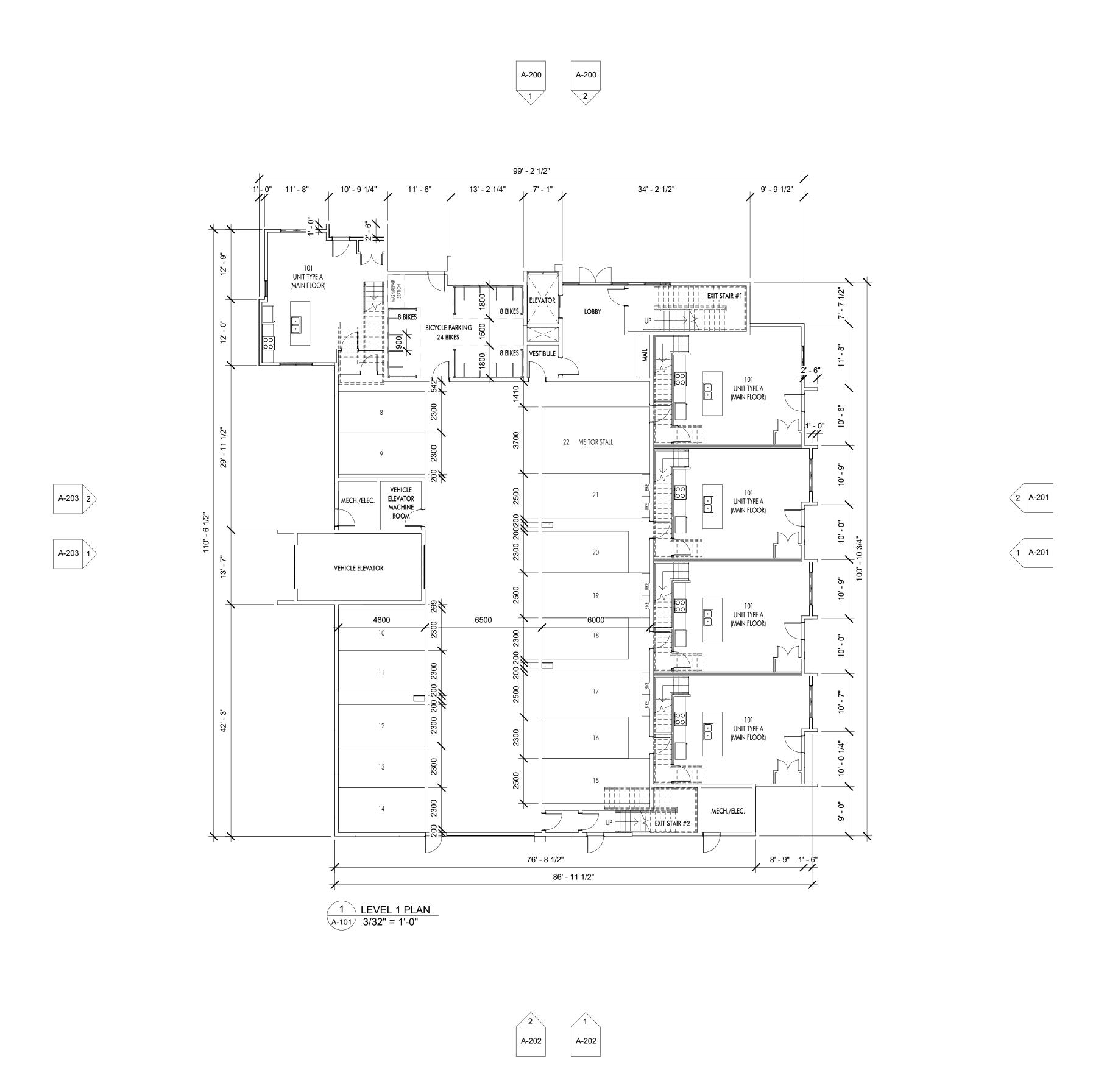
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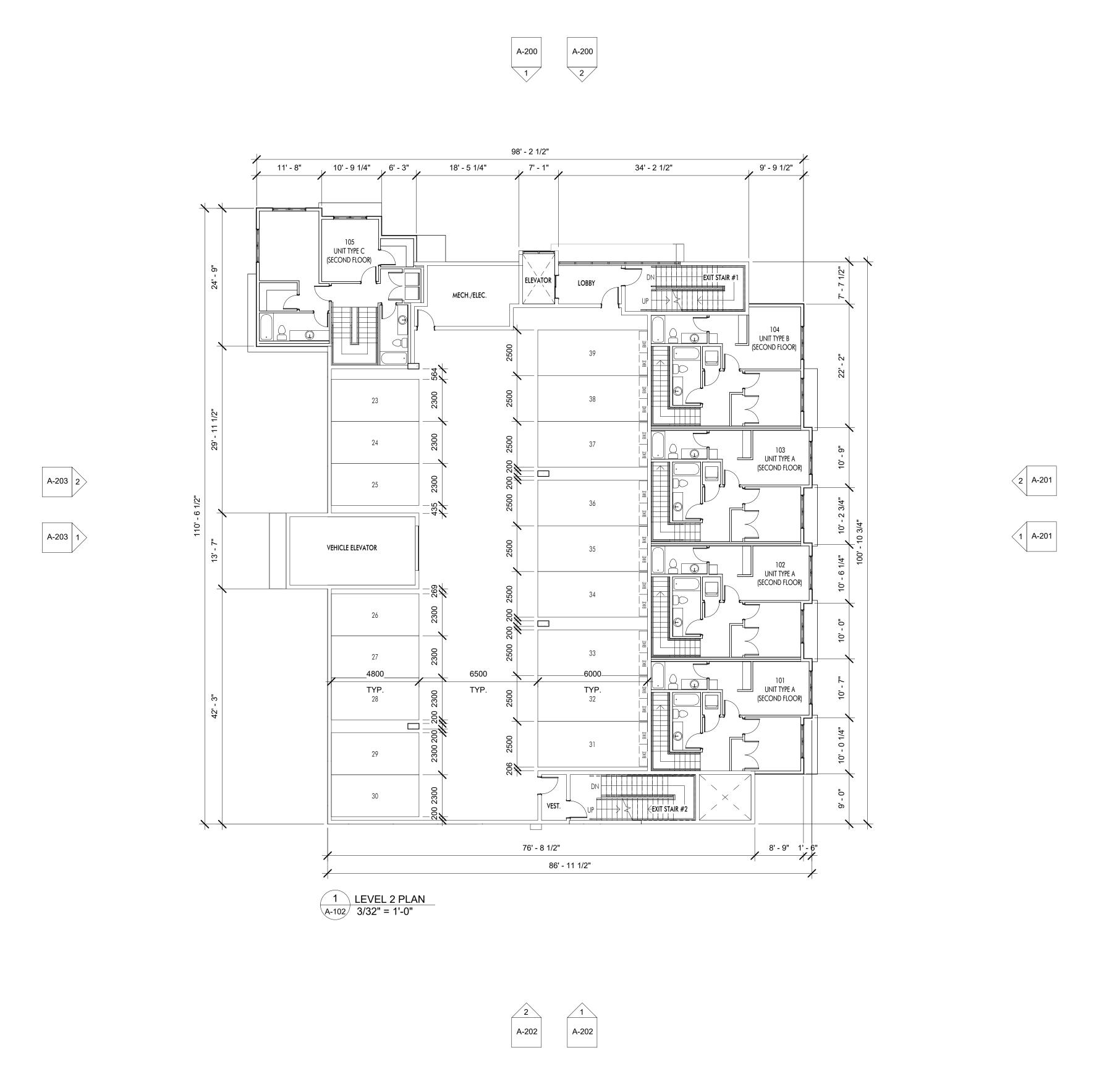
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LEVEL 1 PLAN

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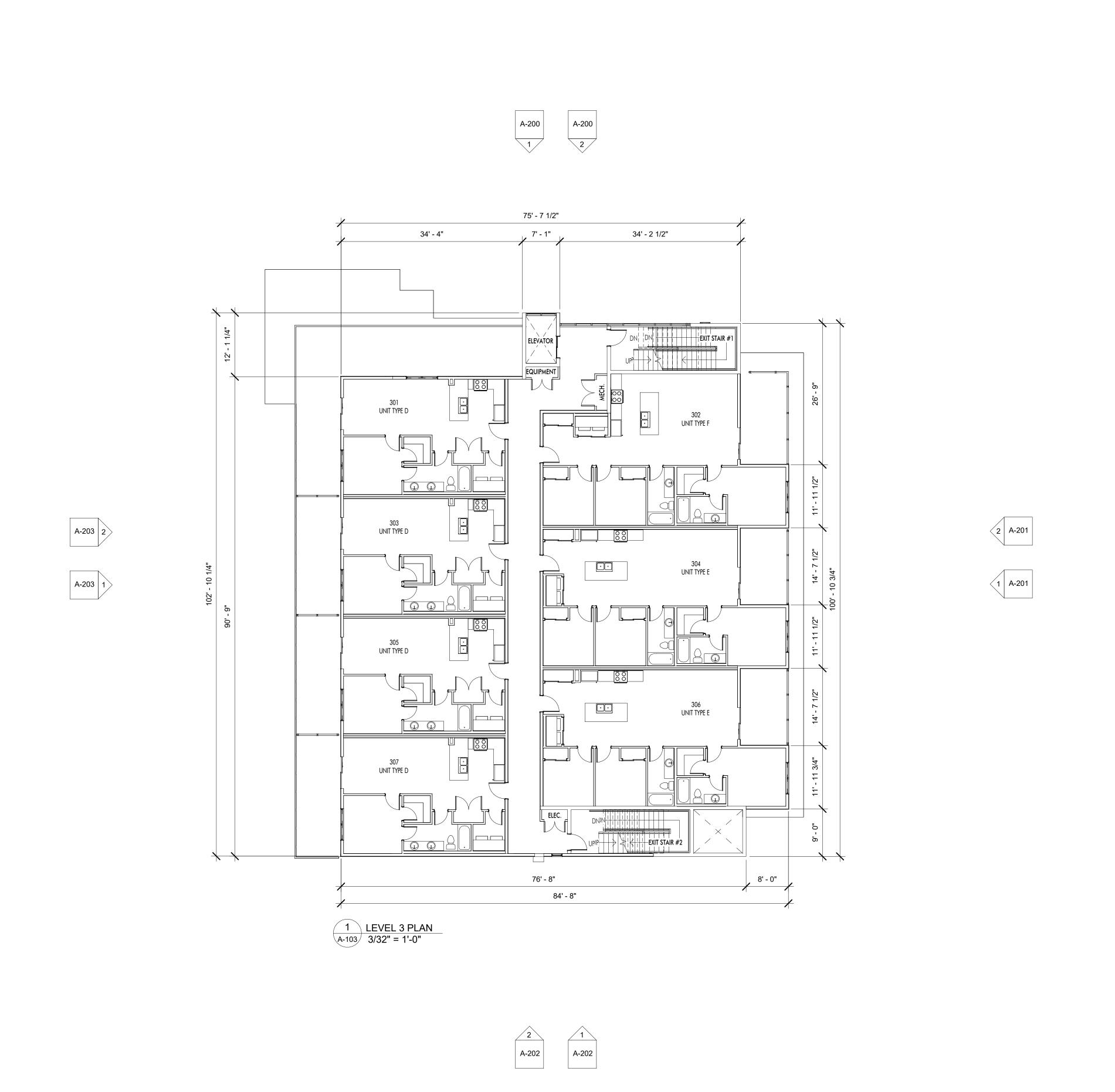
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LEVEL 2 PLAN

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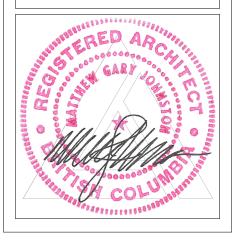
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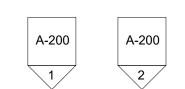
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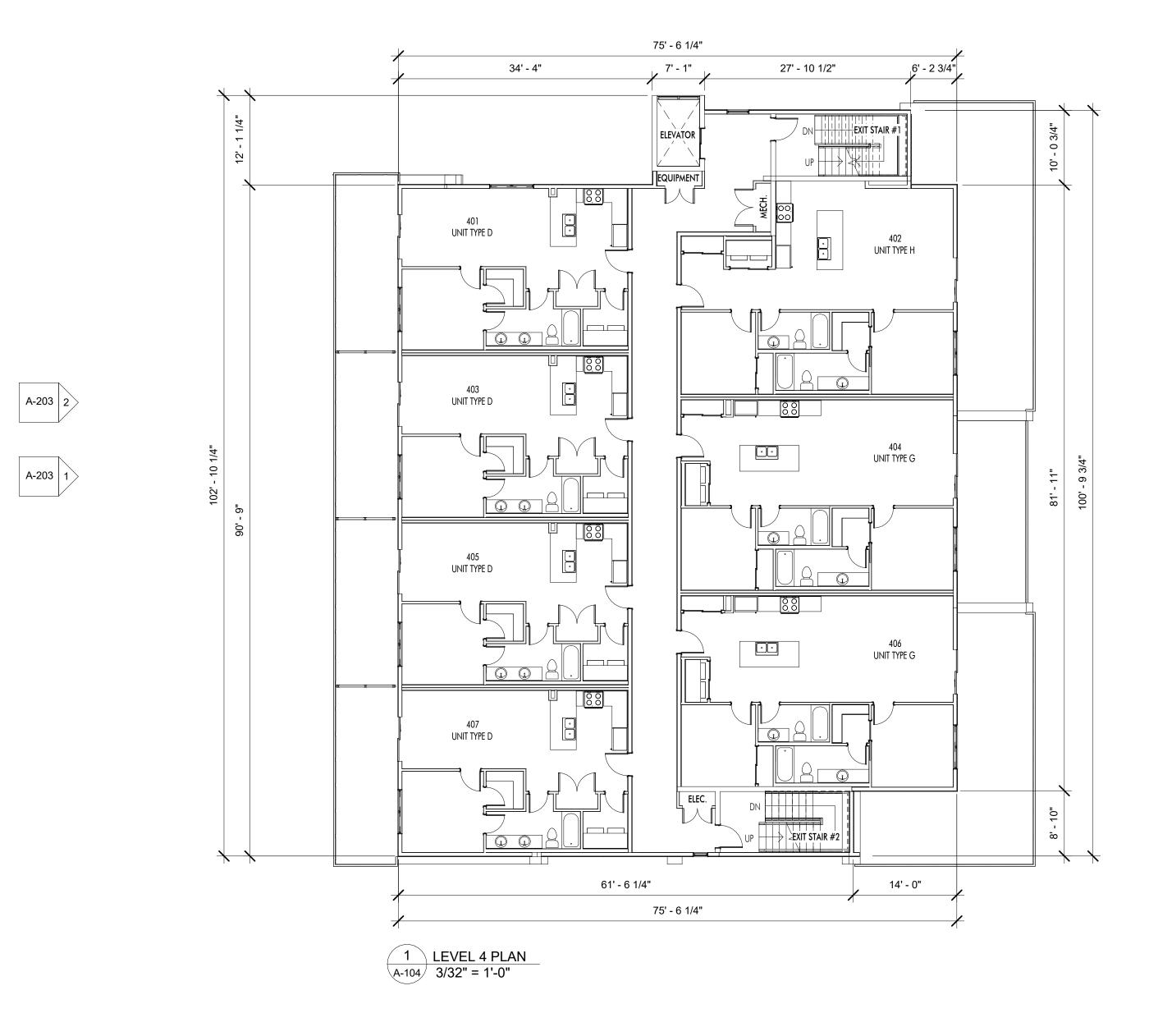
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LEVEL 4 PLAN

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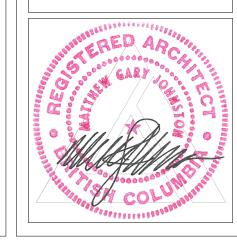
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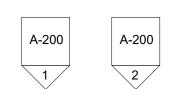
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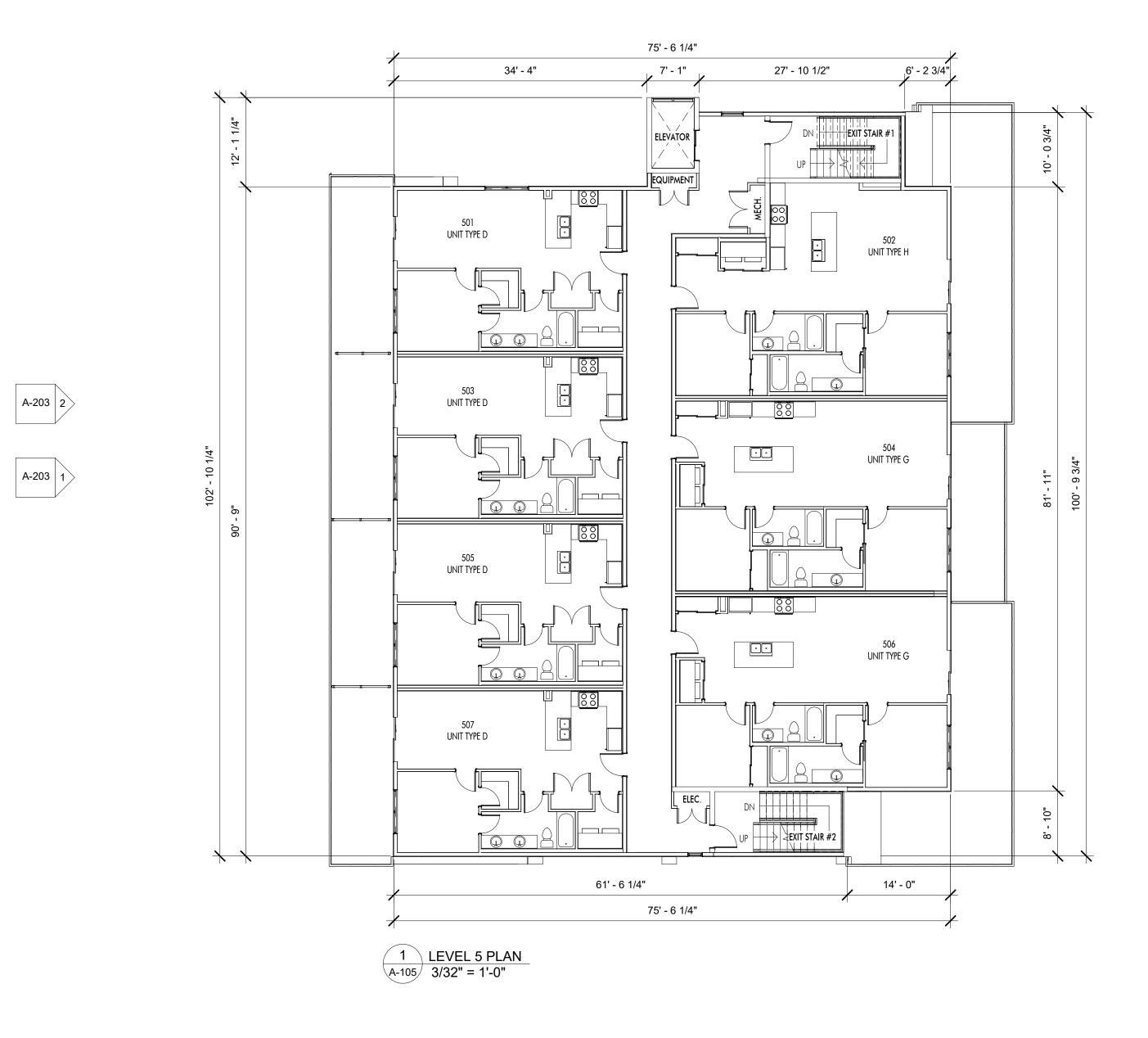
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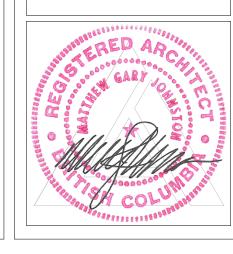
11.17.23 UNIT PLAN REVIEW

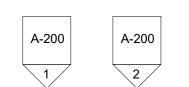
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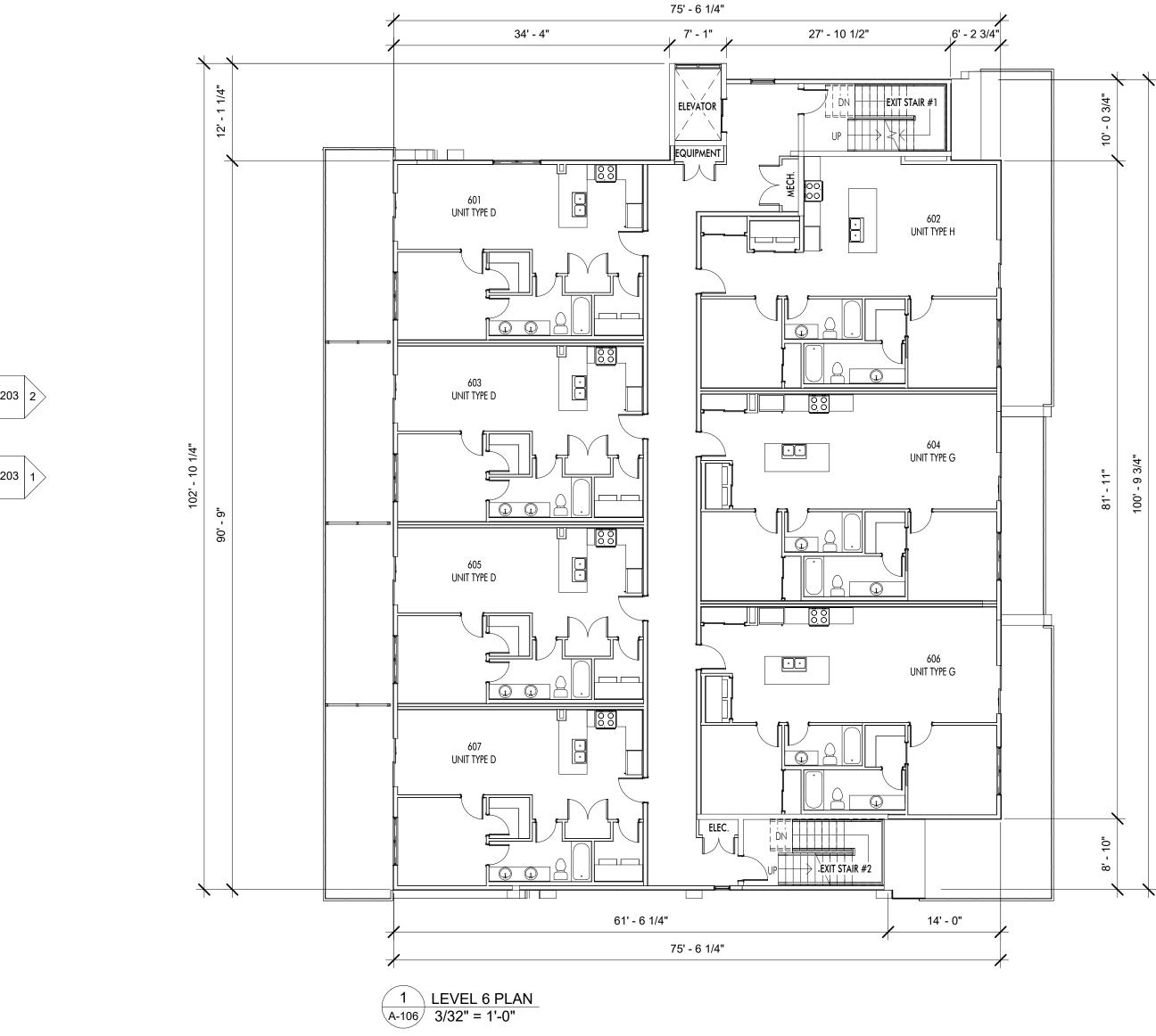
01.17.24 FOR DP 01.29.24 FOR DP 02.05.24 FOR DP

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Drawing No











Plot Date 2/5/2024 8:49:29 AM

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Revision No., Date and Description 11.03.23 FOR REVIEW

11.17.23 UNIT PLAN REVIEW

01.10.24 FOR DP REVIEW

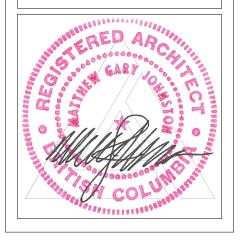
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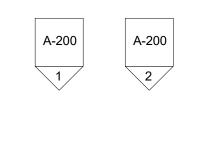
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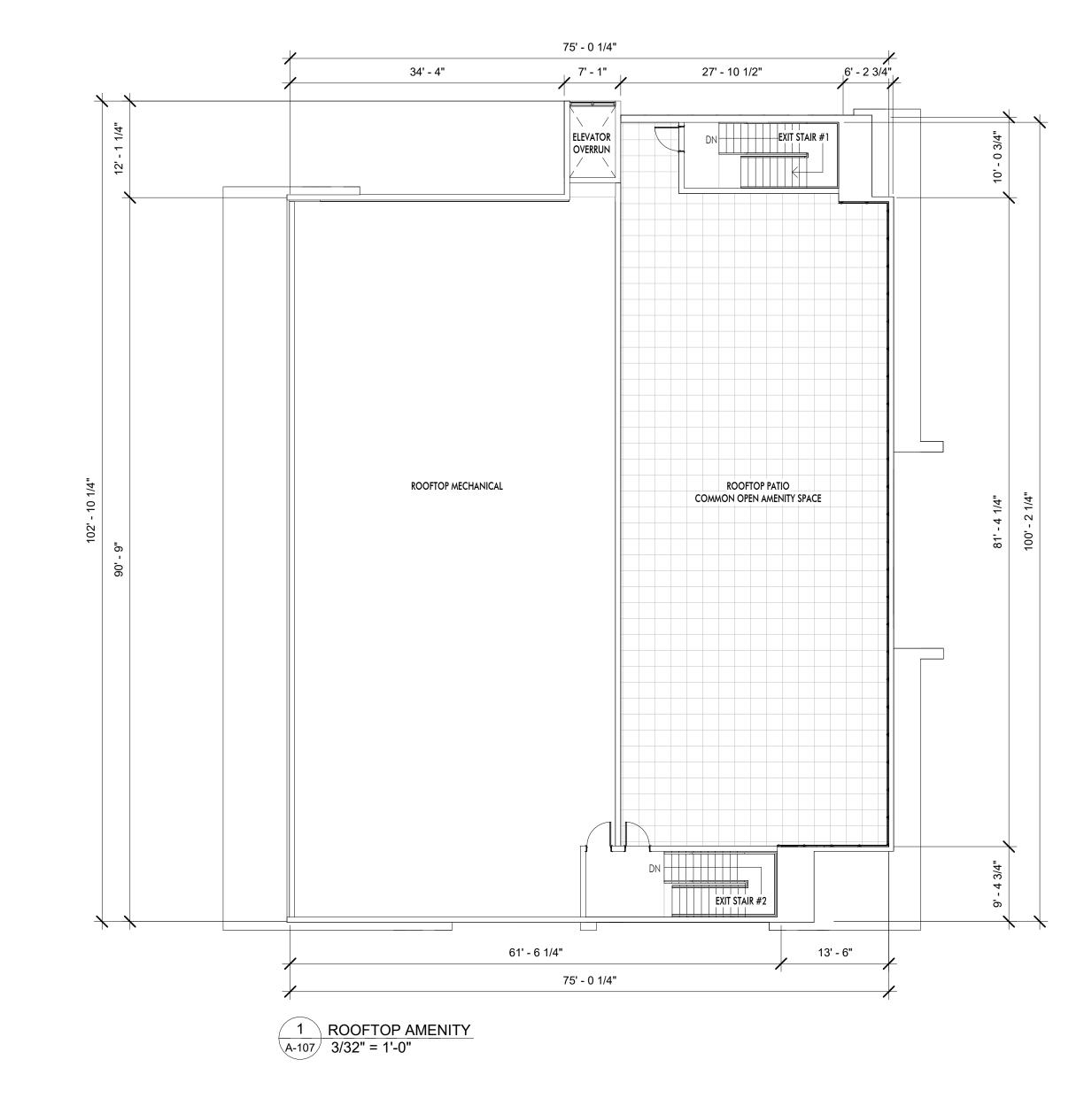
PROJECT Gordon Dr & Martin Ave

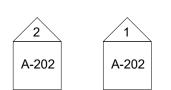
DRAWING TITLE

LEVEL 6 PLAN











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Revision No., Date

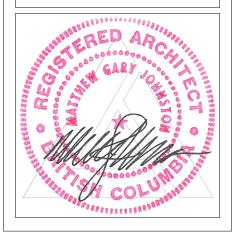
and Description 11.03.23 FOR REVIEW 11.17.23 UNIT PLAN REVIEW 01.10.24 FOR DP REVIEW 01.17.24 FOR DP

01.29.24 FOR DP 02.05.24 FOR DP

Plot Date 2/5/2024 8:49:30 AM PROJECT

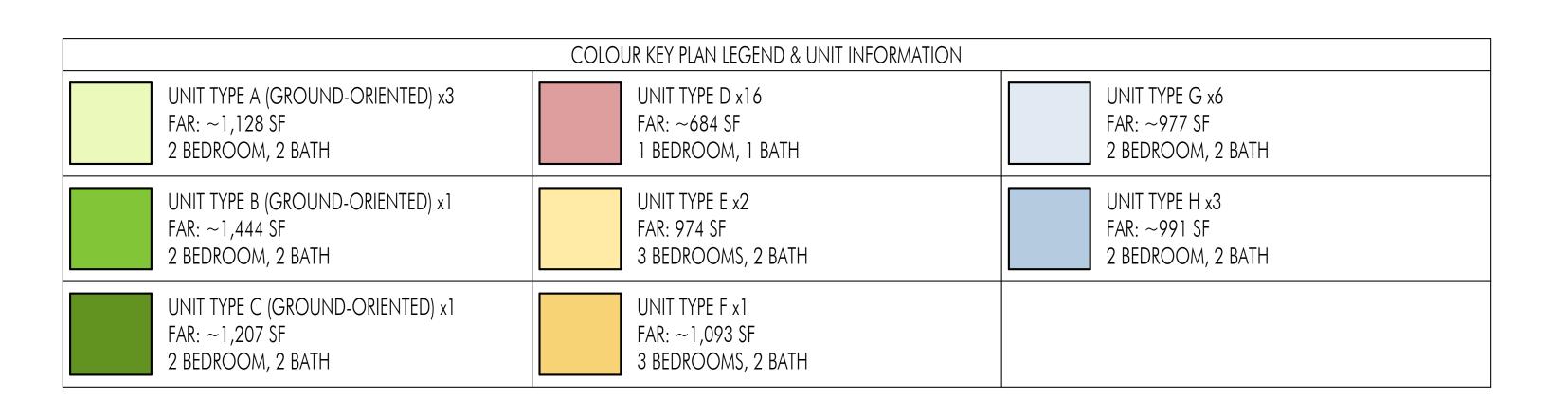
Gordon Dr & Martin Ave DRAWING TITLE

ROOFTOP AMENITY PLAN





1 COLOUR PLAN - LEVEL 1 A-109 3/32" = 1'-0"





2 COLOUR PLAN - LEVEL 2 3/32" = 1'-0"

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Revision No., Date and Description

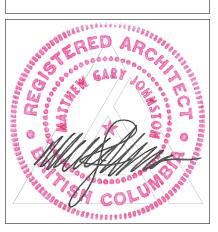
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> Plot Date 2/5/2024 8:49:32 AM **PROJECT**

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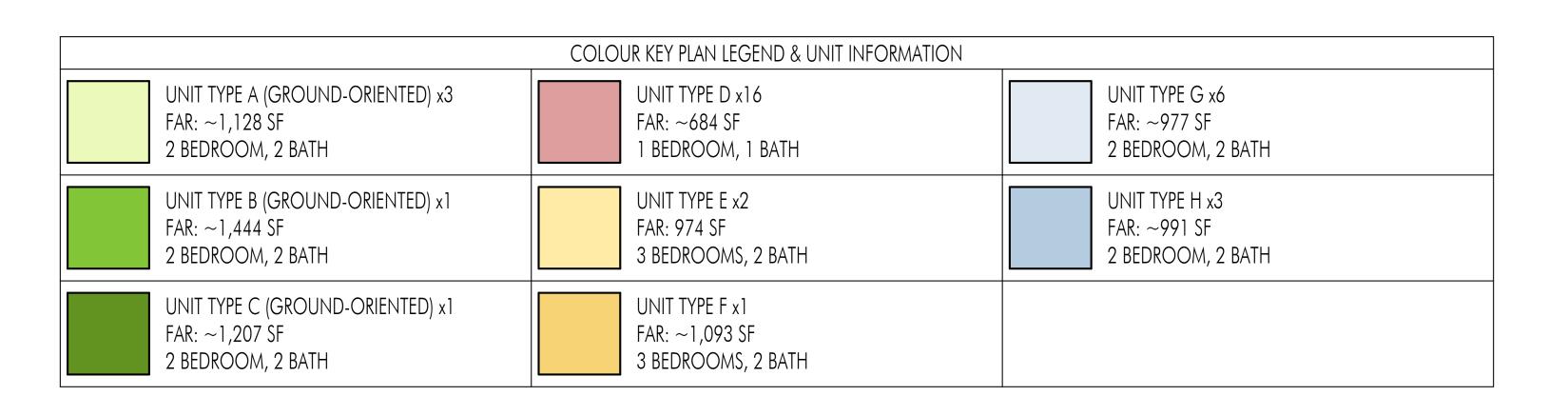
COLOUR KEY PLANS

Drawing No.





1 COLOUR PLAN - LEVEL 3 3/32" = 1'-0"





2 COLOUR PLAN - LEVEL 4 A-110 3/32" = 1'-0" PHONE:250-448-7801

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not Scale any dimensions from this drawing.

Revision No., Date and Description

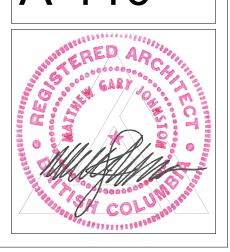
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> Plot Date 2/5/2024 8:49:35 AM PROJECT

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DRAWING TITLE

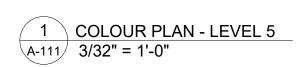
COLOUR KEY PLANS





FAR: ~1,093 SF

3 BEDROOMS, 2 BATH



FAR: ~1,128 SF

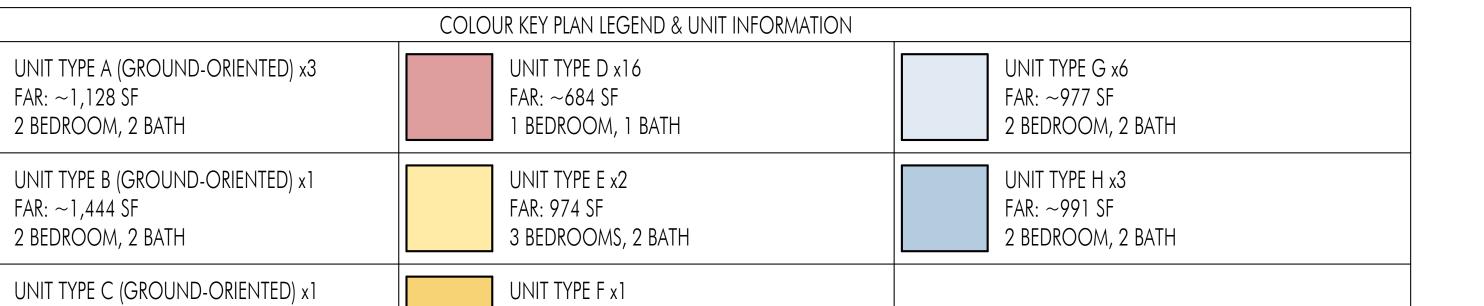
FAR: ~1,444 SF

FAR: ~1,207 SF

2 BEDROOM, 2 BATH

2 BEDROOM, 2 BATH

2 BEDROOM, 2 BATH





2 COLOUR PLAN - LEVEL 6
A-111 3/32" = 1'-0"

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Revision No., Date and Description

01.17.24 FOR DP 01.29.24 FOR DP 02.05.24 FOR DP

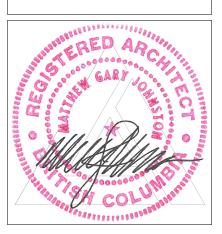
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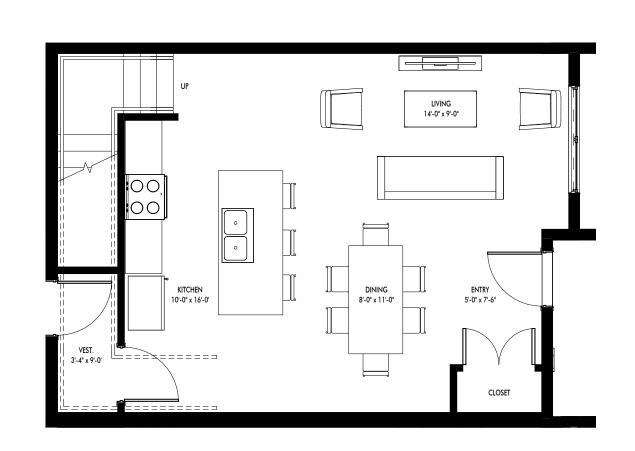
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COLOUR KEY PLANS

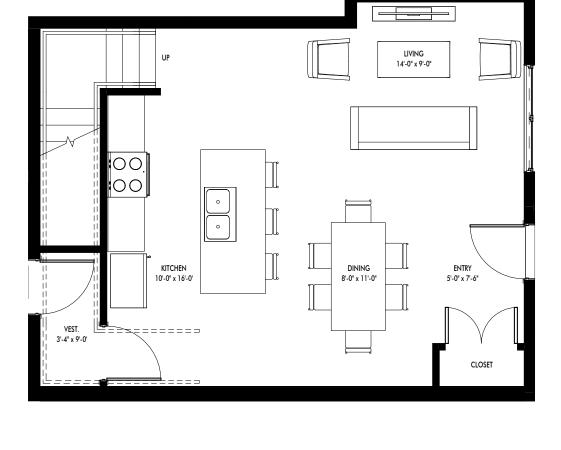
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Drawing No.

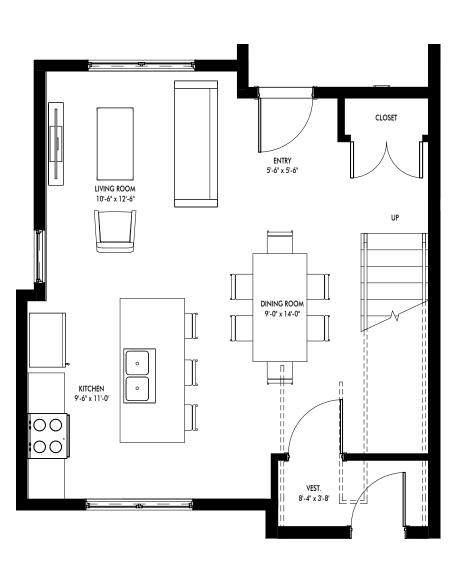




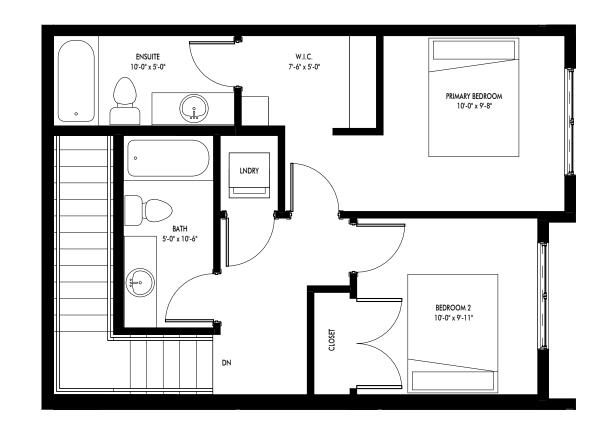
1 UNIT TYPE A (LEVEL 1) 3/16" = 1'-0"



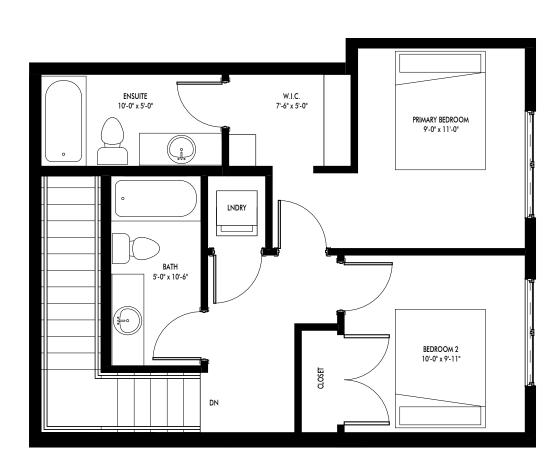
2 UNIT TYPE B (LEVEL 1) A-112 3/16" = 1'-0"



3 UNIT TYPE C (LEVEL 1) A-112 3/16" = 1'-0"



4 UNIT TYPE A (LEVEL 2) A-112 3/16" = 1'-0"



5 UNIT TYPE B (LEVEL 2) A-112 3/16" = 1'-0"



6 UNIT TYPE C (LEVEL 3) A-112 3/16" = 1'-0" Plot Date 2/5/2024 8:49:39 AM

PROJECT
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TYPICAL UNIT LAYOUTS

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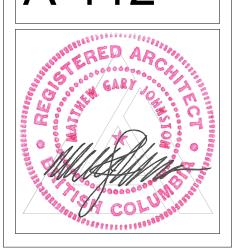
Revision No., Date and Description

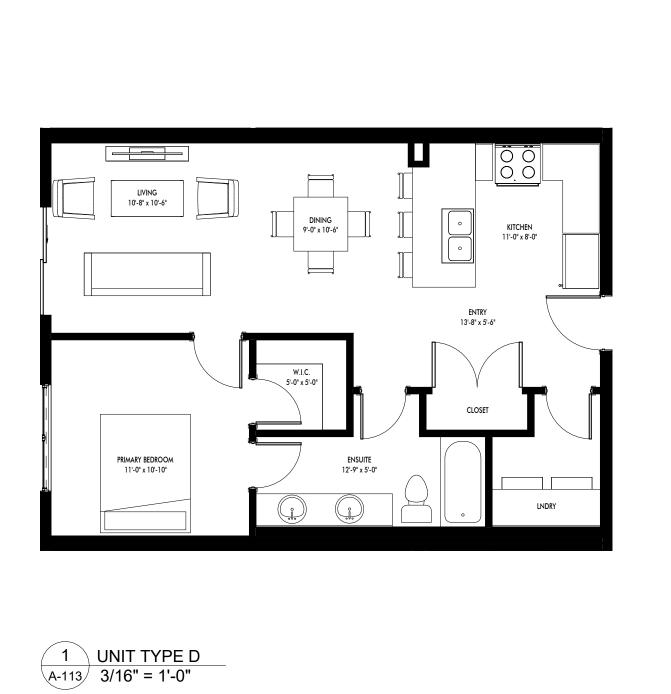
01.17.24 FOR DP

01.29.24 FOR DP

02.05.24 FOR DP

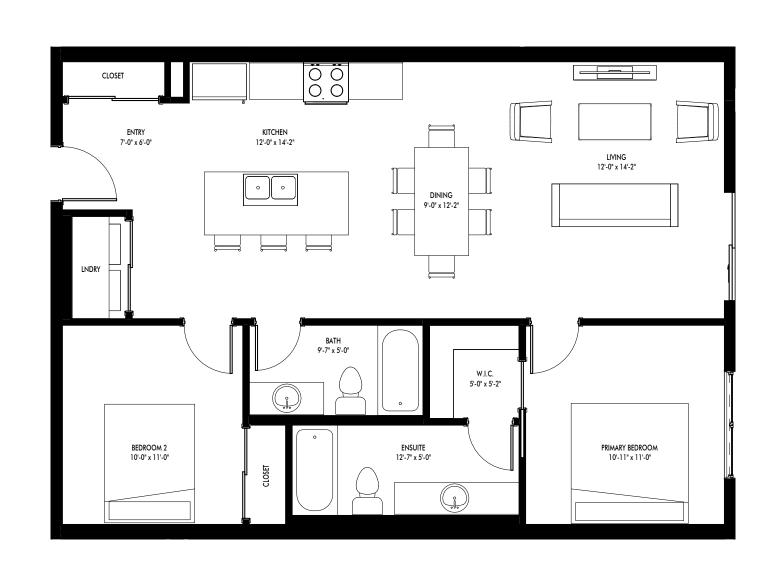
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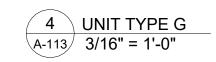


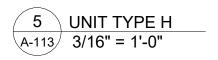












Plot Date 2/5/2024 8:49:41 AM PROJECT

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Revision No., Date and Description
01.17.24 FOR DP
01.29.24 FOR DP

02.05.24 FOR DP

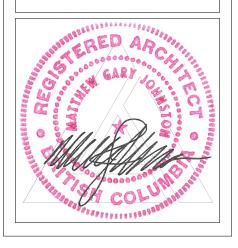
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DRAWING TITLE

TYPICAL UNIT LAYOUTS

Drawing No.





ROOFTOP AMENITY		
<u>LEVEL 6</u>		
<u>LEVEL 5</u>		
<u>LEVEL 4</u>		
<u>LEVEL 3</u>		
<u>LEVEL 2</u>		

1	NORTH ELEVATION (COLORED)
A-200	3/32" = 1'-0"

	EXTERIOR FINISHES		
#	IMAGE	MATERIAL	
1		STUCCO CLADDING: SW 7005, PURE WHITE	
2		STUCCO CLADDING: SW 6258, TRICORN BLACK	
3		HORIZONTAL SIDING & SOFFIT: MAC, SMOKED BIRCH	
4		VERTICAL SIDING & SOFFIT: MAC, SMOKED BIRCH	
5		FEATURE COLUMNS: STAINED TO MATCH 'SMOKED BIRCH'	
6		CONCRETE WALL: VERTICAL BOARD-FORM FINISH	
7		DOORS, RAILING, GUTTERS, RWLS, LIGHTS, & UNIT #s: BLACK ALUMINIUM	
8		TORCH-ON ROOFING: IKO, ARMOURCOOL WHITE	
9		GLASS SPANDREL PANEL	

Plot Date

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building by-laws and requirements of other local authorities having jurisdiction as well as the british columbia building code - (most recent edition) including all published revisions and addenda. All trades shall assume full responsibility for the locations and protection of all under and above

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discrepancies are to be reported

All trades are to execute the work in accordance with the current municipality

ground utilities, wires and conduit connections, including (but not limited to) water, sewer, gas, hydro and telephone.

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01.17.24 FOR DP 01.29.24 FOR DP 02.05.24 FOR DP

01.10.24 FOR DP REVIEW

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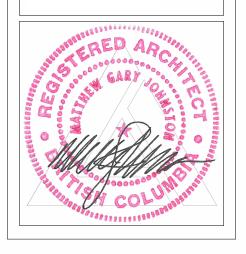
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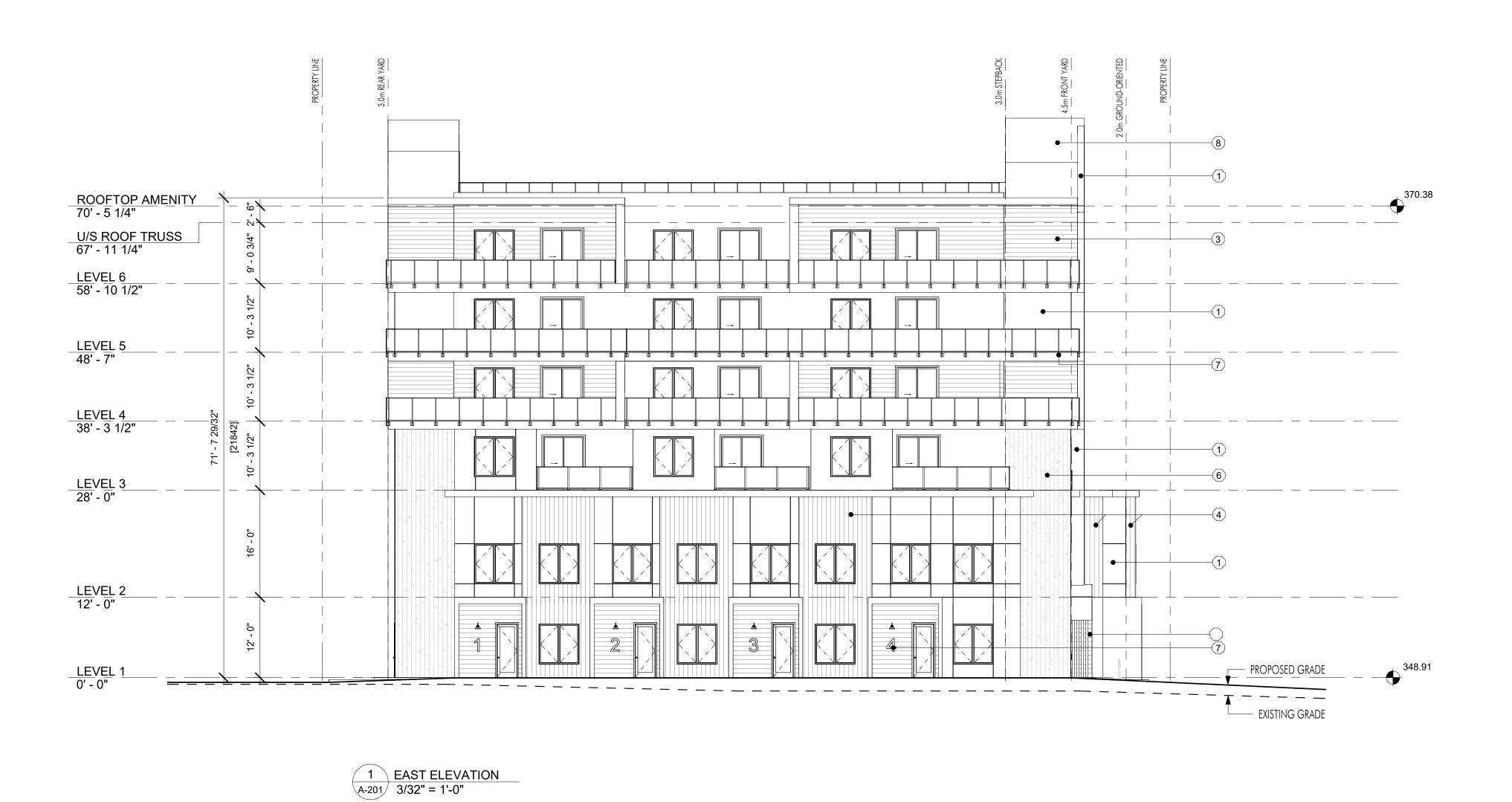
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DRAWING TITLE

ELEVATIONS

Drawing No.





ROOFTOP AMENITY	
70' - 5 1/4" TRUSS 67' - 11 1/4"	
<u>LEVEL</u> 6 58' - 10 1/2"	
_ <u>LEVEL</u> 5	
<u>LEVEL 4</u> 38' - 3 1/2"	
<u>LEVEL</u> 3	
<u>LEVEL</u> 2	
<u>LEVEL</u> 1	

EXTI	EXTERIOR FINISHES		
#	IMAGE	MATERIAL	
1		STUCCO CLADDING: SW 7005, PURE WHITE	
2		STUCCO CLADDING: SW 6258, TRICORN BLACK	
3		HORIZONTAL SIDING & SOFFIT: MAC, SMOKED BIRCH	
4		VERTICAL SIDING & SOFFIT: MAC, SMOKED BIRCH	
5		FEATURE COLUMNS: STAINED TO MATCH 'SMOKED BIRCH'	
6		CONCRETE WALL: VERTICAL BOARD-FORM FINISH	
7		DOORS, RAILING, GUTTERS, RWLS, LIGHTS, & UNIT #s: BLACK ALUMINIUM	
8		TORCH-ON ROOFING: IKO, ARMOURCOOL WHITE	
9		GLASS SPANDREL PANEL	

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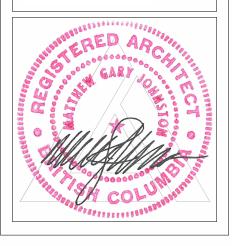
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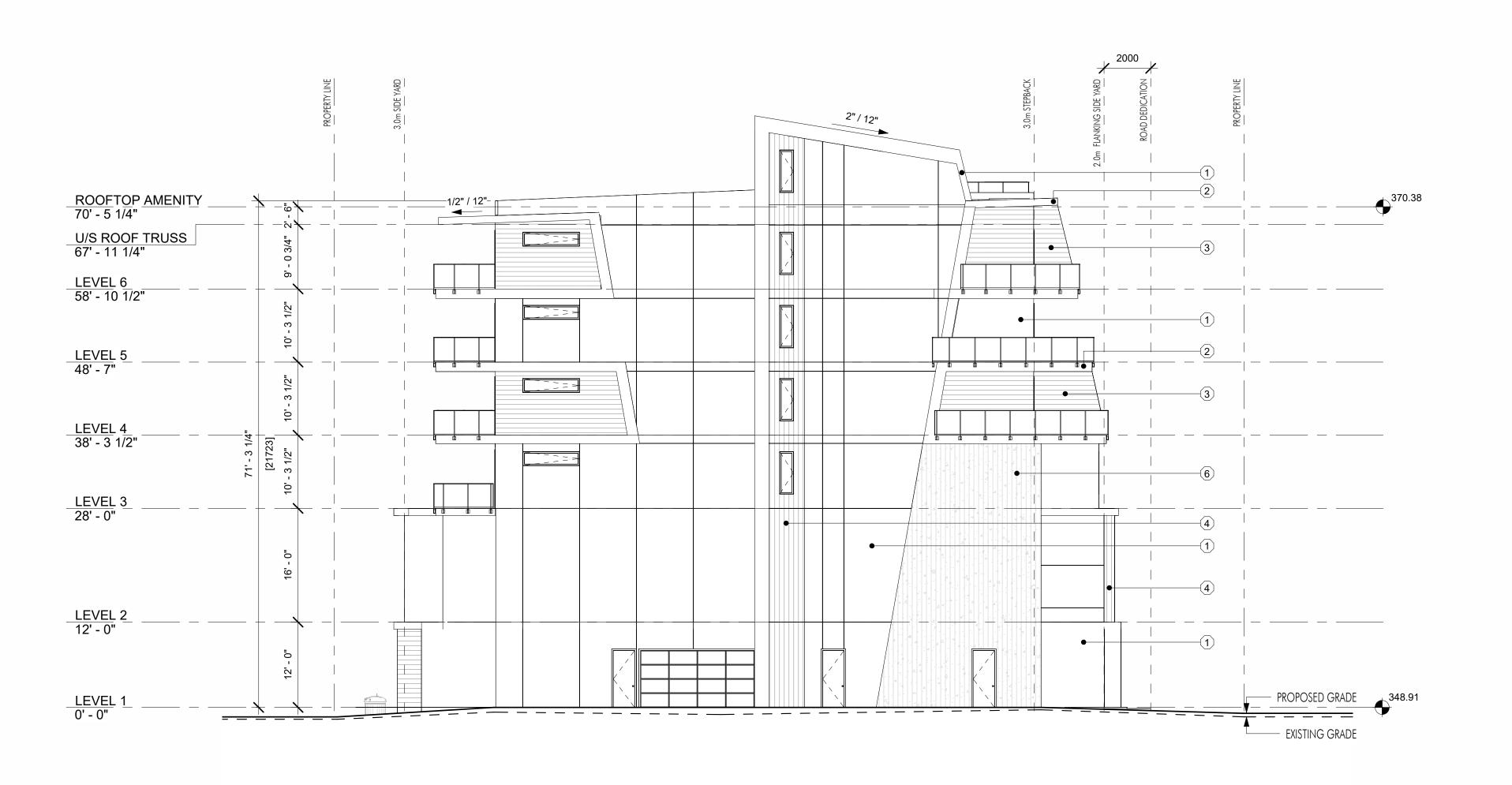
Gordon Dr & Martin Ave

DRAWING TITLE

ELEVATIONS

Drawing No.





ROOFTOP AMENITY	
U/S ROOF TRUSS 67' - 11 1/4"	
LEVEL 6 58' - 10 1/2"	
58' - 10 1/2"	
<u>LEVEL 5</u> 48' - 7"	
40 - 7	
LEVEL 4 38' - 3 1/2"	
LEVEL 3	
LEVEL 2 12' - 0"	
LEVEL 1	

2 SOUTH ELEAVTION (COLORED) A-202 3/32" = 1'-0"

1 SOUTH ELEVATION A-202 3/32" = 1'-0"

#	IMAGE	MATERIAL
1		STUCCO CLADDING: SW 7005, PURE WHITE
2		STUCCO CLADDING: SW 6258, TRICORN BLACK
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4		VERTICAL SIDING & SOFFIT: MAC, SMOKED BIRCH
5		FEATURE COLUMNS: STAINED TO MATCH 'SMOKED BIRCH'
6		CONCRETE WALL: VERTICAL BOARD-FORM FINISH
7		DOORS, RAILING, GUTTERS, RWLS, LIGHTS, & UNIT #s: BLACK ALUMINIUM
8		TORCH-ON ROOFING: IKO, ARMOURCOOL WHITE
9		GLASS SPANDREL PANEL

Plot Date
2/5/2024 8:50:54 AM

PROJECT
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DRAWING TITLE

ELEVATIONS

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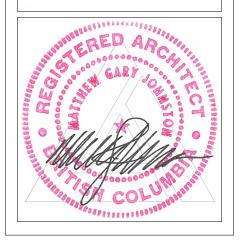
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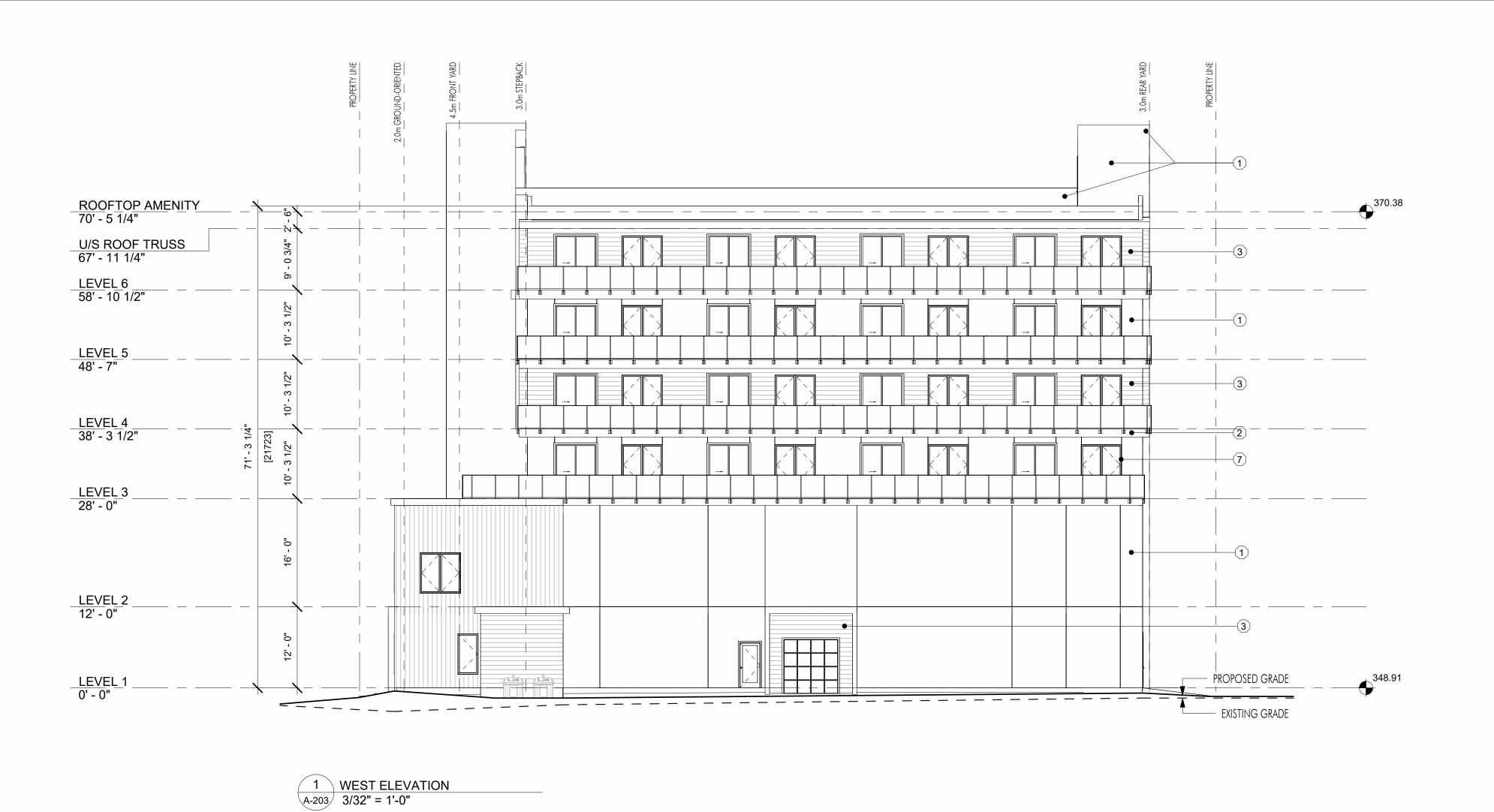
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Drawing No.





<u>ROOFTOP AMENITY</u>	
U/S ROOF TRUSS 67' - 11 1/4"	
LEVEL 6 	
<u>LEVEL 5</u>	
<u>LEVEL 4</u>	
_ <u>LEVEL 3</u>	
_ <u>LEVEL 2</u>	
<u>LEVEL 1</u>	

FYT	EXTERIOR FINISHES				
#	IMAGE	MATERIAL			
1		STUCCO CLADDING: SW 7005, PURE WHITE			
2		STUCCO CLADDING: SW 6258, TRICORN BLACK			
3		HORIZONTAL SIDING & SOFFIT: MAC, SMOKED BIRCH			
4		VERTICAL SIDING & SOFFIT: MAC, SMOKED BIRCH			
5		FEATURE COLUMNS: STAINED TO MATCH 'SMOKED BIRCH'			
6		CONCRETE WALL: VERTICAL BOARD-FORM FINISH			
7		DOORS, RAILING, GUTTERS, RWLS, LIGHTS, & UNIT #s: BLACK ALUMINIUM			
8		TORCH-ON ROOFING: IKO, ARMOURCOOL WHITE			
9		GLASS SPANDREL PANEL			

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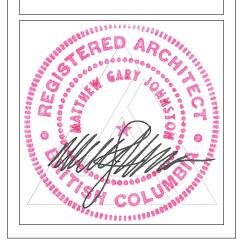
Gordon Dr & Martin Ave DRAWING TITLE

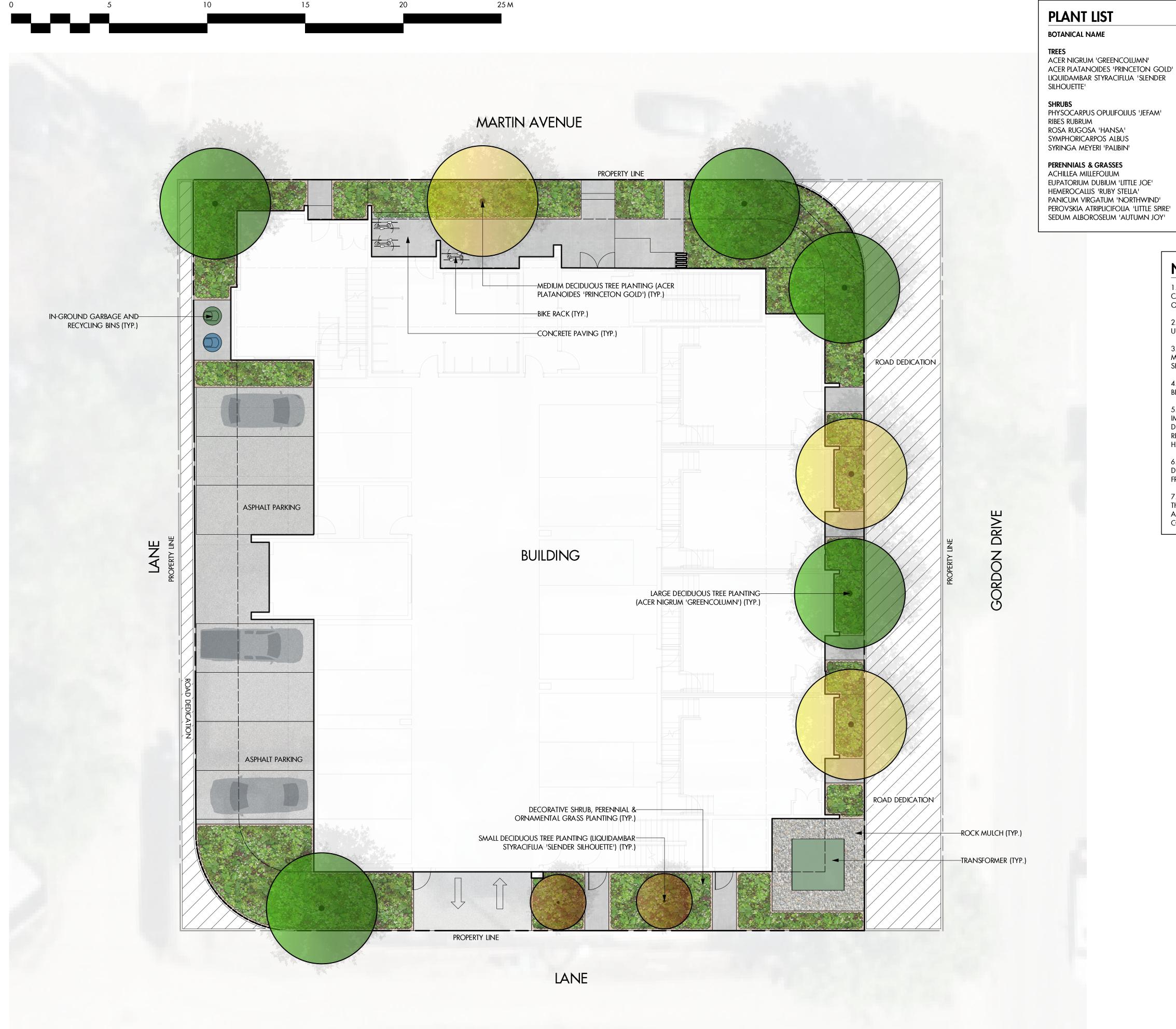
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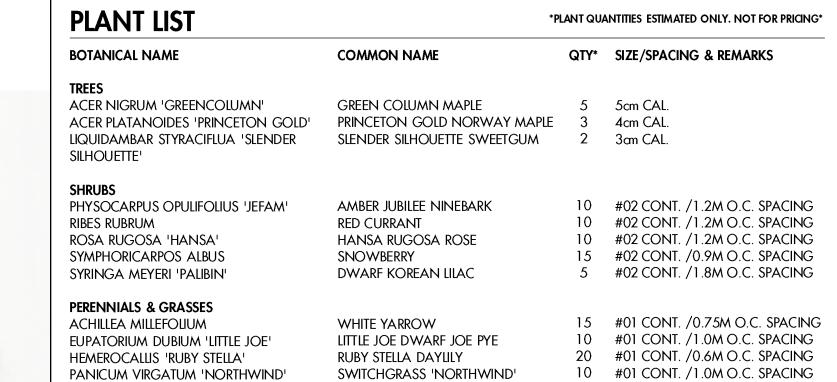
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ELEVATIONS







DWARF RUSSIAN SAGE

AUTUMN JOY STONECROP

#### **NOTES**

1. PLANT MATERIAL AND CONSTRUCTION METHODS SHALL MEET OR EXCEED CANDAIAN LANDSCAPE STANDARDS. ALL OFFSITE LANDSCAPE WORKS TO MEET CITY OF KELOWNA BYLAW 12375 STANDARDS.

20 #01 CONT. /0.6M O.C. SPACING

20 #01 CONT. /0.6M O.C. SPACING

2. ALL SOFT LANDSCAPE AREAS SHALL BE WATERED BY A FULLY AUTOMATIC TIMED UNDERGROUND IRRIGATION SYSTEM.

3. TREE AND SHRUB BEDS TO BE DRESSED IN A MINIMUM 75mm NATURAL WOOD MULCH AS SHOWN IN PLANS. DO NOT PLACE WEED MAT UNDERNEATH TREE AND SHRUB BEDS.

4. SHRUB BEDS TO RECEIVE A MINIMUM 300mm DEPTH TOPSOIL PLACEMENT. TREE BEDS TO RECEIVE A MINIMUM 1000mm DEPTH TOPSOIL PLACEMENT.

5. TURF AREA FROM SOD SHALL BE NO.1 GRADE GROWN FROM CERTIFIED SEED OF IMPROVED CULTIVARS REGISTERED FOR SALE IN B.C. AND SHALL BE TOLERANT OF DROUGHT CONDITIONS. A MINIMUM OF 150mm DEPTH OF GROWING MEDIUM IS REQUIRED BENEATH TURF AREAS. TURF AREAS SHALL MEET EXISTING GRADES AND HARD SURFACES FLUSH.

6. SITE GRADING AND DRAINAGE WILL ENSURE THAT ALL STRUCTURES HAVE POSITIVE DRAINAGE AND THAT NO WATER OR LOOSE IMPEDIMENTS WILL BE DISCHARGED FROM THE LOT ONTO ADJACENT PUBLIC, COMMON, OR PRIVATE PROPERTIES.

7. FOR CONFORMANCE WITH DEVELOPMENT PERMIT LANDSCAPE REQUIREMENTS, THE PRIME CONTRACTOR AND/OR CONSULTANTS REPONSIBLE FOR SITE SERVICING AND UTILITIES SHALL ENSURE THAT ALL BUILDING PERMIT SUBMITTALS ARE COORDINATED WITH LANDSCAPE ARCHITECTURAL SUBMITTALS.



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PROJECT TITLE

#### 1444 & 1448 GORDON DRIVE AND 1085 MARTIN AVENUE

Kelowna, BC

DRAVVING TITLE

# CONCEPTUAL LANDSCAPE PLAN

1	23.12.12	Review
2	24.01.26	Review
3	24.01.31	Review
4		
5		

PROJECT NO	23-0917	
DESIGN BY	FB/PH	
DRAVVN BY	MC	
CHECKED BY	GH	
DATE	JAN. 31, 2024	
SCALE	1:100	
PAGE SIZE	24"x36"	
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LANDSCAPE MAXIMUM WATER BUDGET (WB) = 140 cu.m. / year ESTIMATED LANDSCAPE WATER USE (WU) = 73 cu.m. / year WATER BALANCE = 67 cu.m. / year

\*REFER ATTACHED IRRIGATION APPLICATION FOR DETAILED CALCULATIONS

# IRRIGATION LEGEND ZONE #1: HIGH EFFICIENCY SUBSURFACE DRIP IRRIGATION FOR MODERATE WATER USE PLANTING AREAS TOTAL AREA: 112 sq.m. MICROCLIMATE: SOUTHWEST EXPOSURE, PARTIALLY SHADED BY TREES AND BUILDING ESTIMATED ANNUAL WATER USE: 37 cu.m. ZONE #2: HIGH EFFICIENCY SUBSURFACE DRIP IRRIGATION FOR MODERATE WATER USE PLANTING AREAS TOTAL AREA: 106 sq.m. MICROCLIMATE: EAST EXPOSURE, PARTIALLY SHADED BY TREES AND BUILDING ESTIMATED ANNUAL WATER USE: 35 cu.m.

## **IRRIGATION NOTES**

1. IRRIGATION PRODUCTS AND INSTALLATION METHODS SHALL MEET OR EXCEED THE REQUIREMENTS OF THE WATER USE REGULATION BYLAW NO. 10480 AND THE SUPPLEMENTARY SPECIFICATIONS IN THE CITY OF KELOWNA BYLAW 7900 (PART 6, SCHEDULE 5).

2. THE IRRIGATION SYSTEM SHALL MEET THE REQUIREMENTS, REGULATIONS, AND BYLAWS OF THE WATER PURVEYOR.

3. THE IRRIGATION SYSTEM SHALL BE EQUIPPED WITH AN APPROVED BACKFLOW PREVENTION DEVICE, WATER METER, AND SHUT OFF VALVE LOCATED OUTSIDE THE BUILDING ACCESSIBLE TO THE CITY.

4. AN APPROVED SMART CONTROLLER SHALL BE INSTALLED. THE IRRIGATION SCHEDULING TIMES SHALL UTILIZE A MAXIMUM ET VALUE OF 7" / MONTH (KELOWNA JULY ET), TAKING INTO CONSIDERATION SOIL TYPE, SLOPE, AND MICROCLIMATE.

5. DRIP LINE AND EMITTERS SHALL INCORPORATE TECHNOLOGY TO LIMIT ROOT INTRUSION.

6. IRRIGATION SLEEVES SHALL BE INSTALLED TO ROUTE IRRIGATION LINES UNDER HARD SURFACES AND FEATURES.

7. IRRIGATION PIPE SHALL BE SIZED TO ALLOW FOR A MAXIMUM FLOW OF 1.5m /SEC.

8. A FLOW SENSOR AND MASTER VALVE SHALL BE CONNECTED TO THE CONTROLLER AND PROGRAMMED TO STOP FLOW TO THE SYSTEM IN CASE OF AN IRRIGATION WATER LEAK.



PROJECT TITLE

#### 1444 & 1448 GORDON DRIVE AND 1085 MARTIN AVENUE

Kelowna, BC

DRAWING TITLE

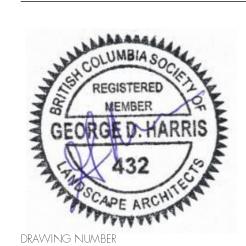
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# WATER CONSERVATION/ IRRIGATION PLAN

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PROJECT NO	23-0917	
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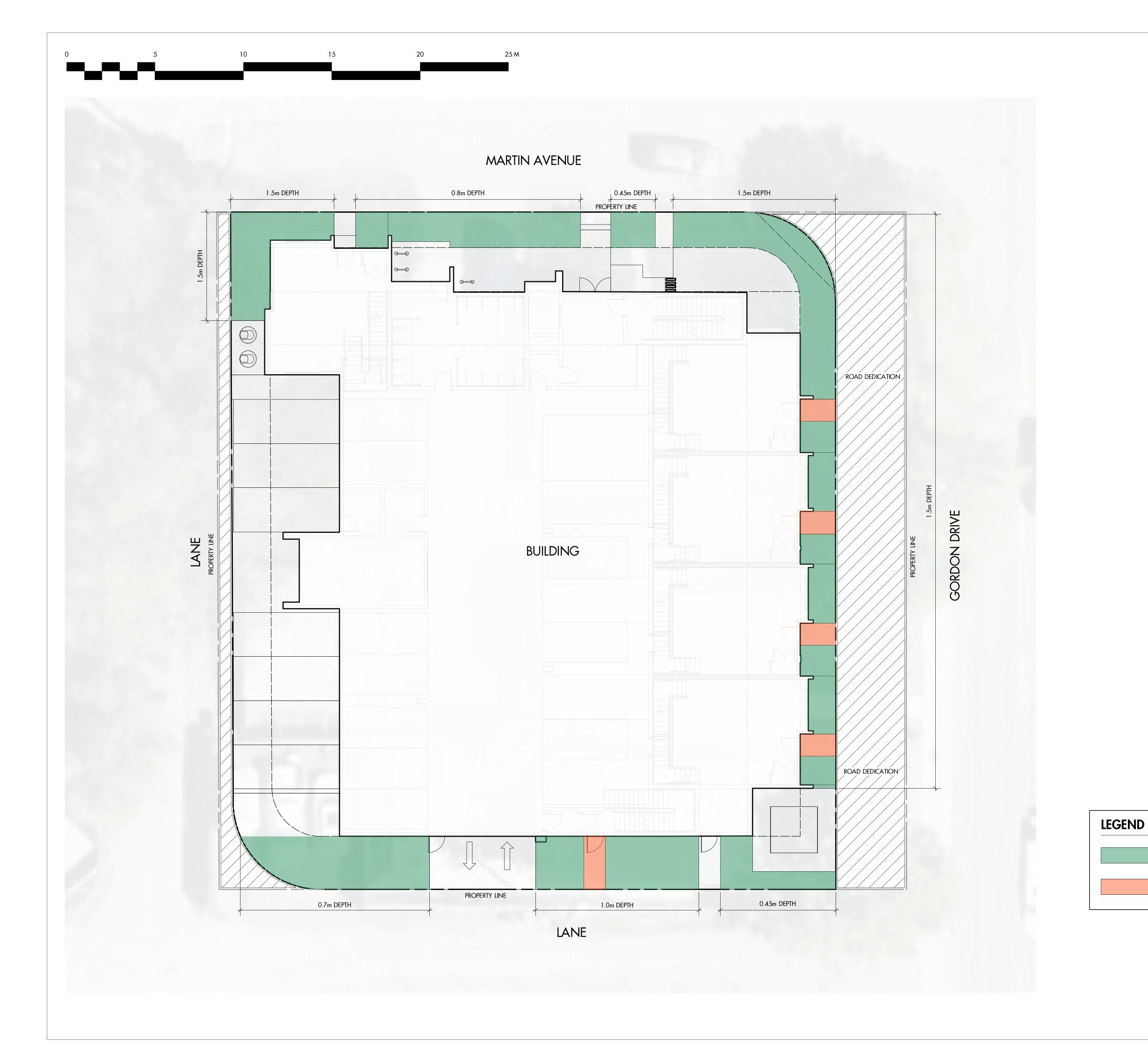
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PROJECT TITLE

#### 1444 & 1448 GORDON DRIVE AND 1085 MARTIN AVENUE

Kelowna, BC

DRAWING TITLE

# GROWING MEDIUM DISTRIBUTION PLAN

1	23.12.12	Review
2	24.01.26	Review
3	24.01.31	Review
4		
5		

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OPEN GRADE GROWING MEDIUM. EXPRESSED AT FINISHED GRADE. (DEPTH AS SHOWN ON DRAWING)

GROWING MEDIUM CONTAINED IN SOIL CELLS BELOW PAVING EXPRESSED AT GRADE. (DEPTH AS SHOWN ON DRAWING)



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