

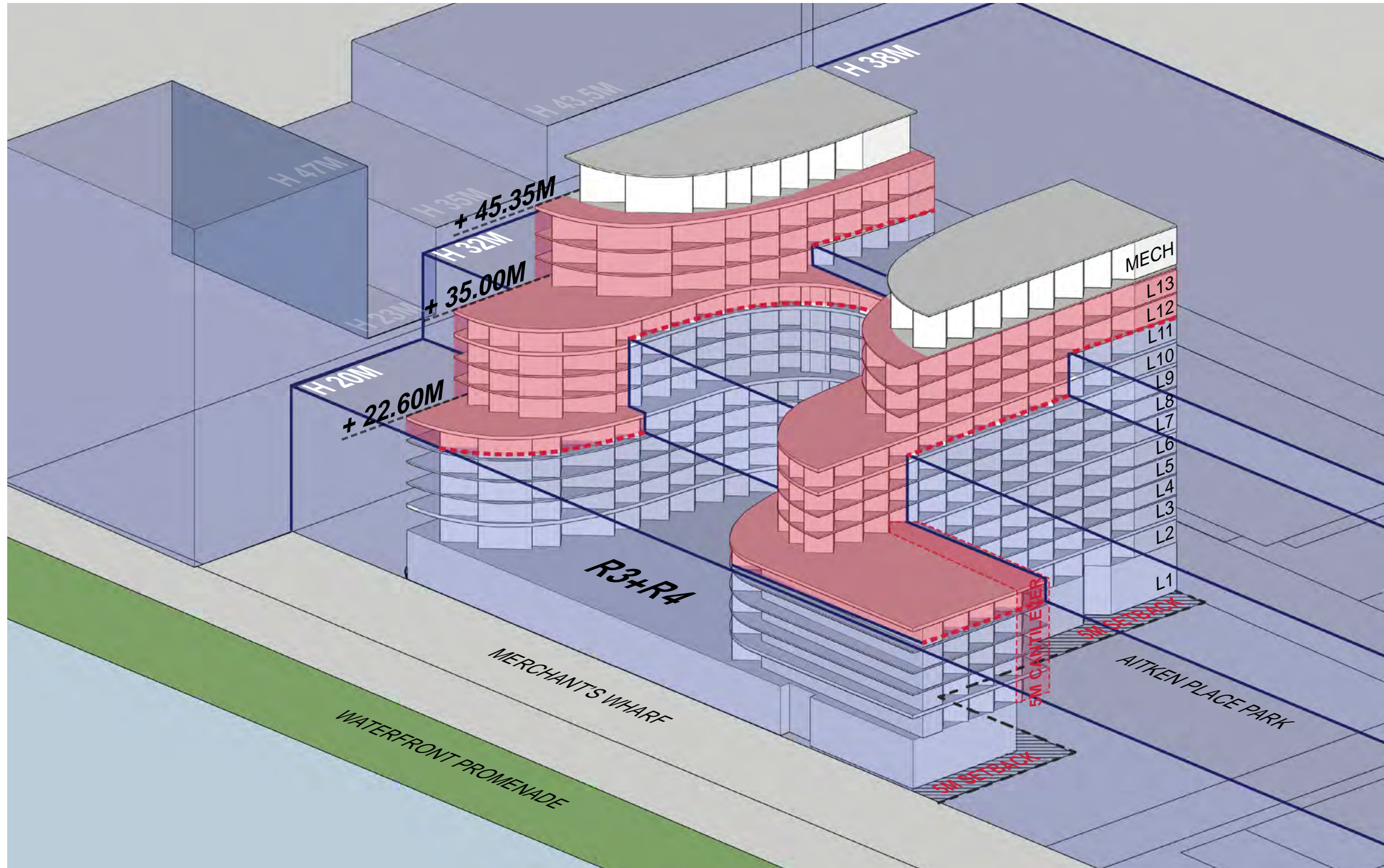


**AQUAVISTA**  
AT BAYSIDE TORONTO

**WATERFRONT TORONTO**  
JULY 9, 2014





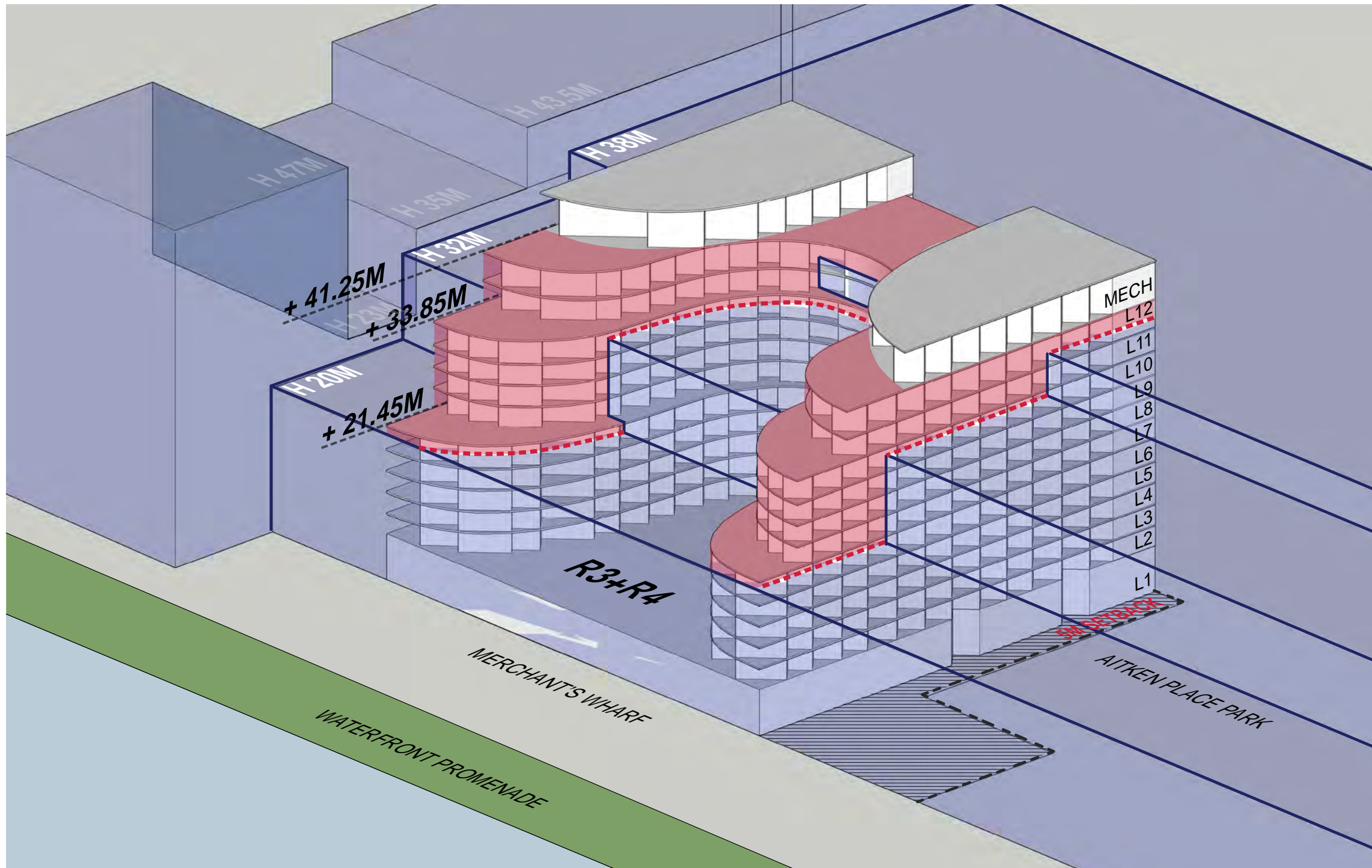


**HEIGHT VARIANCES:**

H 38M ZONE = +7.35 M  
 H 32M ZONE = +3.0 M / +13.35 M  
 H 20M ZONE = +2.6 M / +15.0 M / + 25.35 M

**AREA CALCULATIONS**

	<b>AREA</b> (SQUARE METERS / SQUARE FEET)
TOTAL GFA:	38,106 SM / 410,168 SF
TOTAL SALABLE AREA:	21,579 SM / 232,275 SF



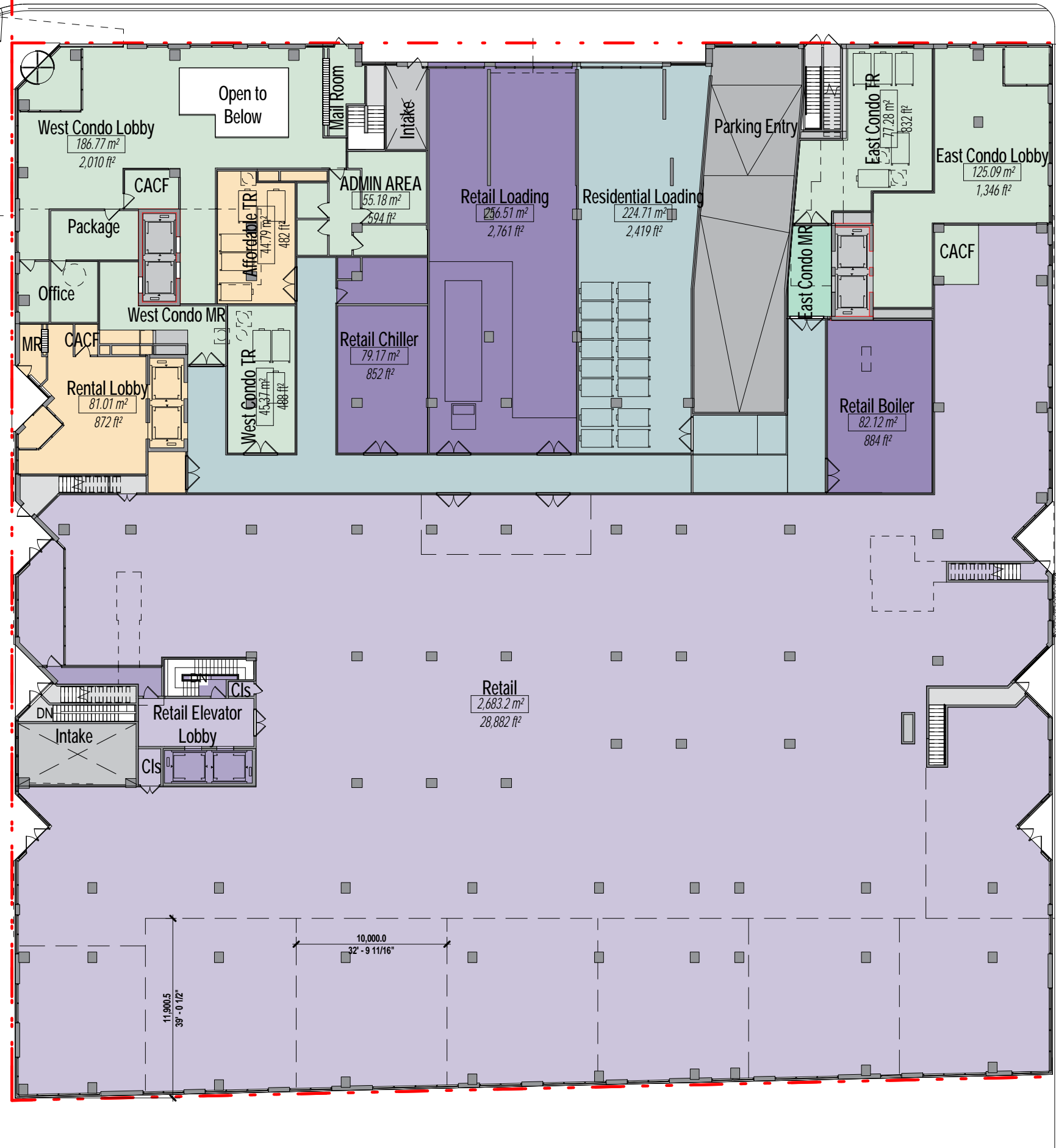
**HEIGHT VARIANCES:**

H 38M ZONE = +3.25 M  
 H 32M ZONE = +1.85 M / +9.25 M  
 H 20M ZONE = +1.45 M / +13.85 M / +21.25 M

**AREA CALCULATIONS**

	<b>AREA</b> (SQ.M / SQ.FT)
TOTAL GFA:	33,989 SM / 365,857 SF
TOTAL SALABLE AREA:	19,054 SM / 205,095 SF





**TOTAL FINISHED AREA (TFA)**

- AFF UNIT 1
- COMBO RESIDENTIAL SERVICE
- CONDO AMENITY
- CONDO PUBLIC
- CORE/SHAFT
- PARKING RAMP
- RETAIL CORE/SHAFT
- RETAIL MECHANICAL/SERVICE
- RETAIL UNIT
- STAIRS

AITKEN PLACE PARK

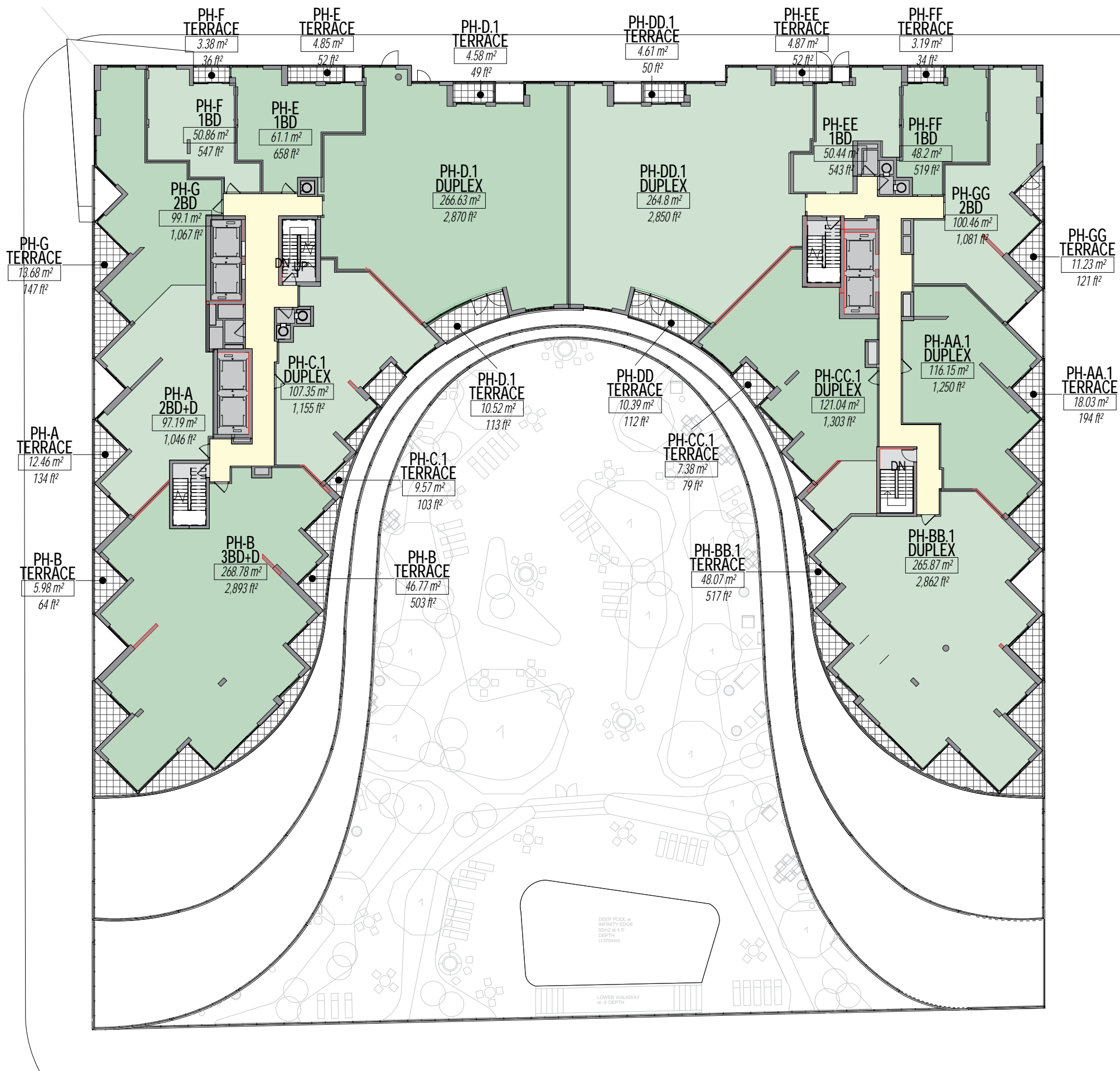




**TOTAL FINISHED AREA (TFA)**

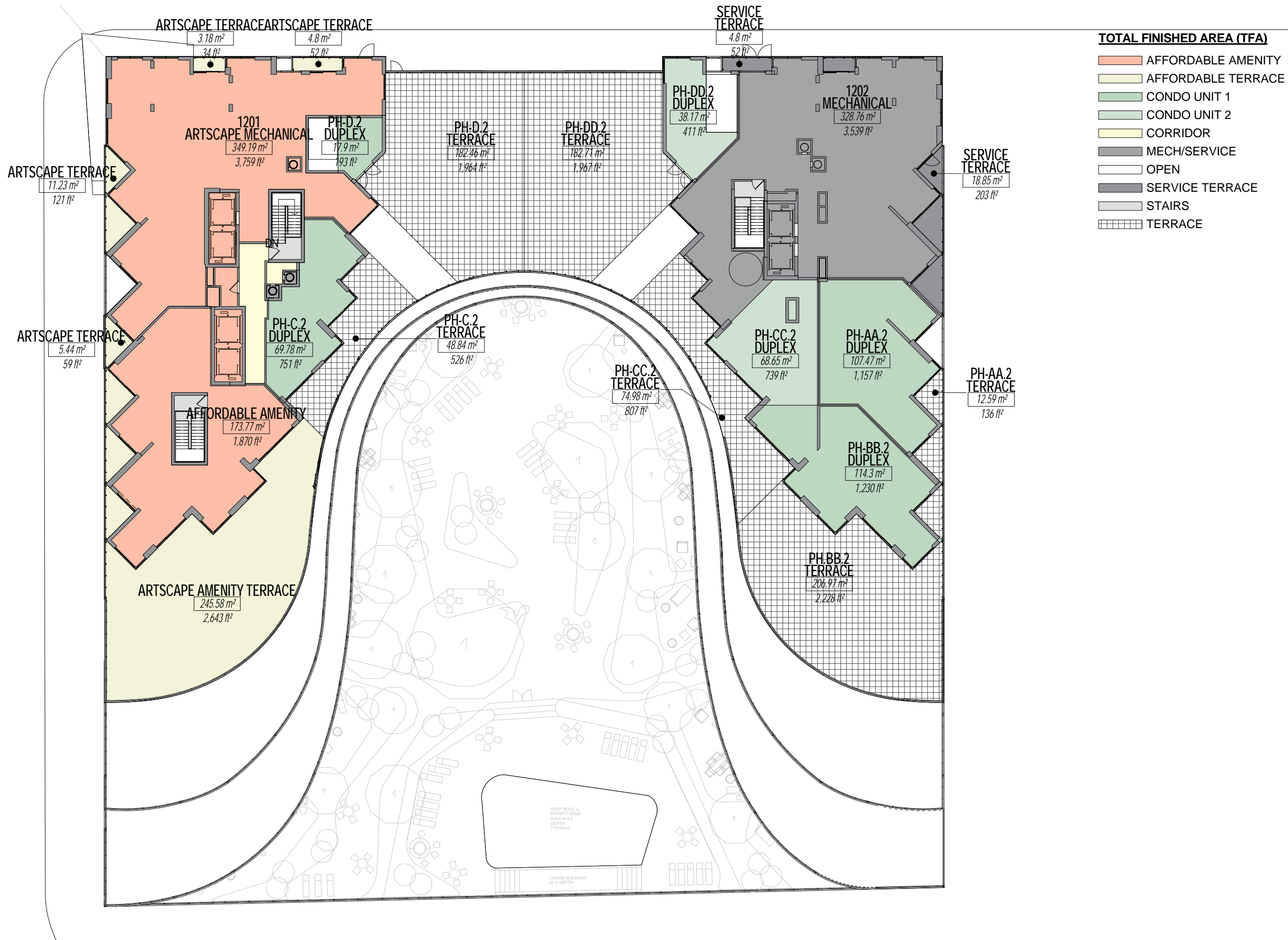
- AFF UNIT 1
- CONDO UNIT 1
- CONDO UNIT 2
- CORE/SHAFT
- CORRIDOR
- RENTAL TERRACE
- STAIRS
- TERRACE

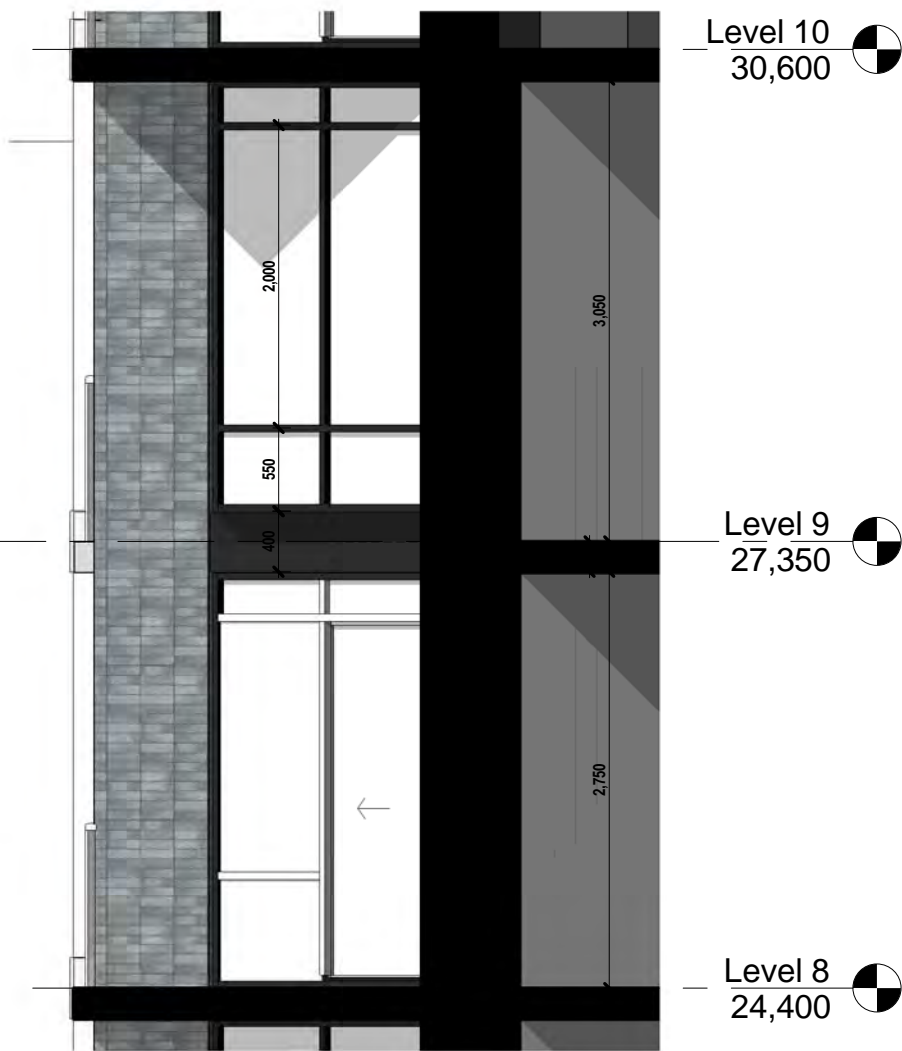




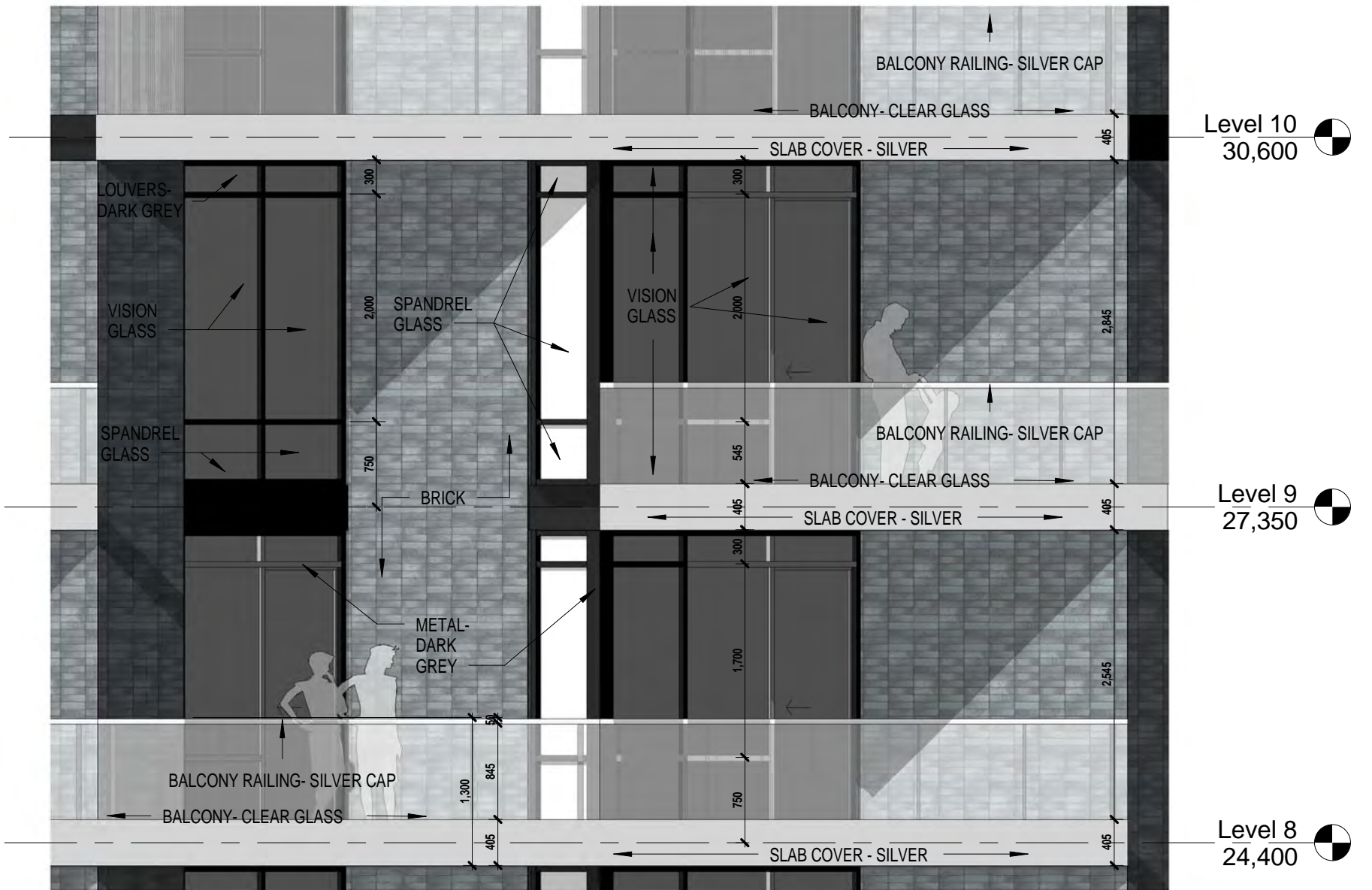
**TOTAL FINISHED AREA (TFA)**

- CONDO UNIT 1
- CONDO UNIT 2
- CORE/SHAFT
- CORRIDOR
- STAIRS
- TERRACE

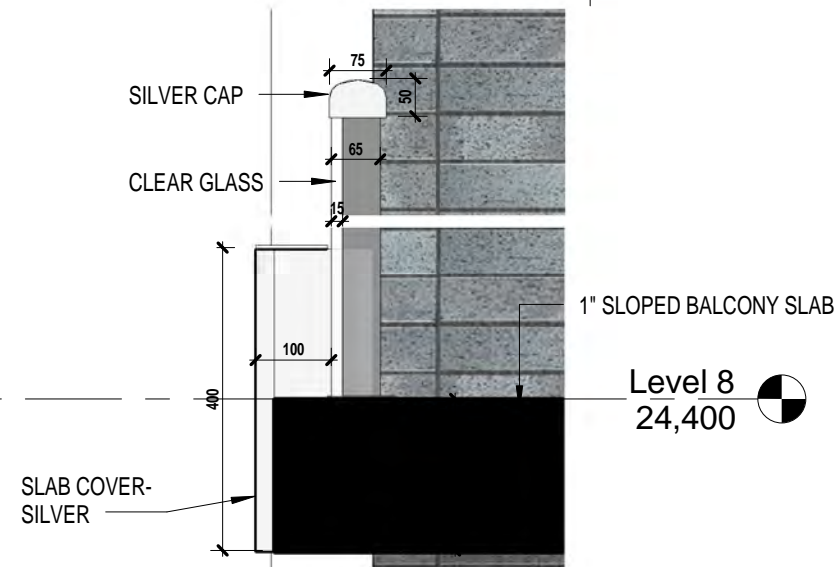




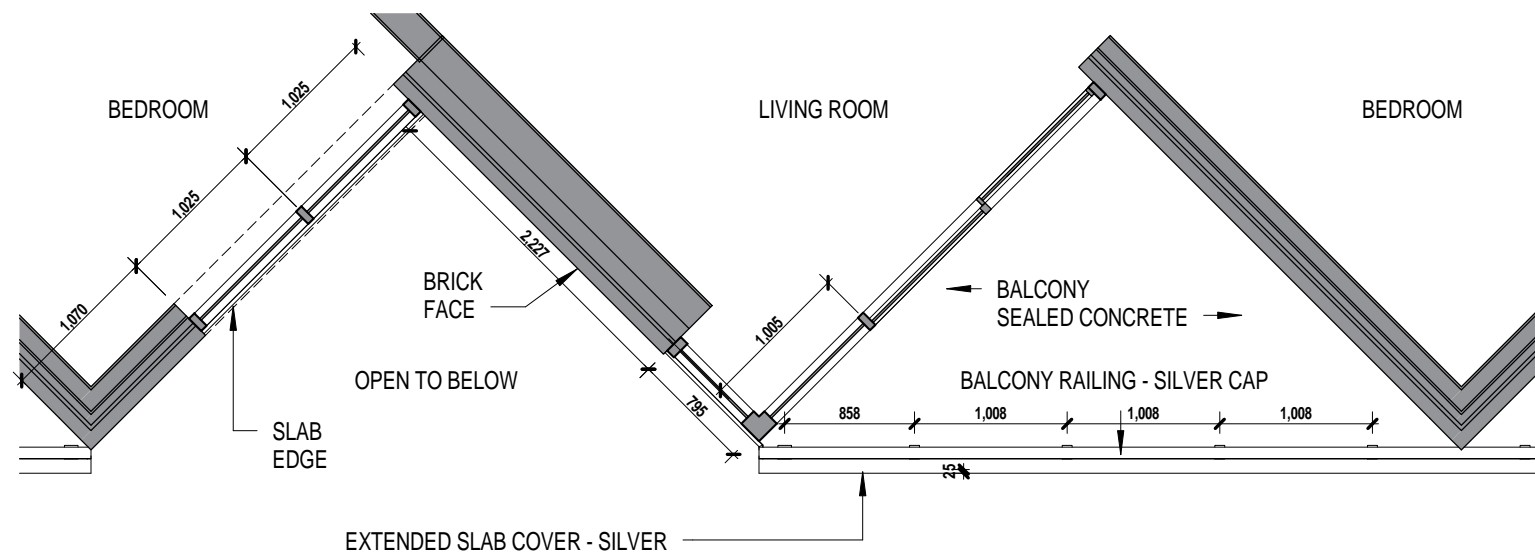
**DETAIL SECTION AT LEVEL 8** | 1  
1 : 50 | EE.01



**PARTIAL ELEVATION AT LEVEL 8** | 2  
1 : 50 | EE.01



**Level 8**  
24,400

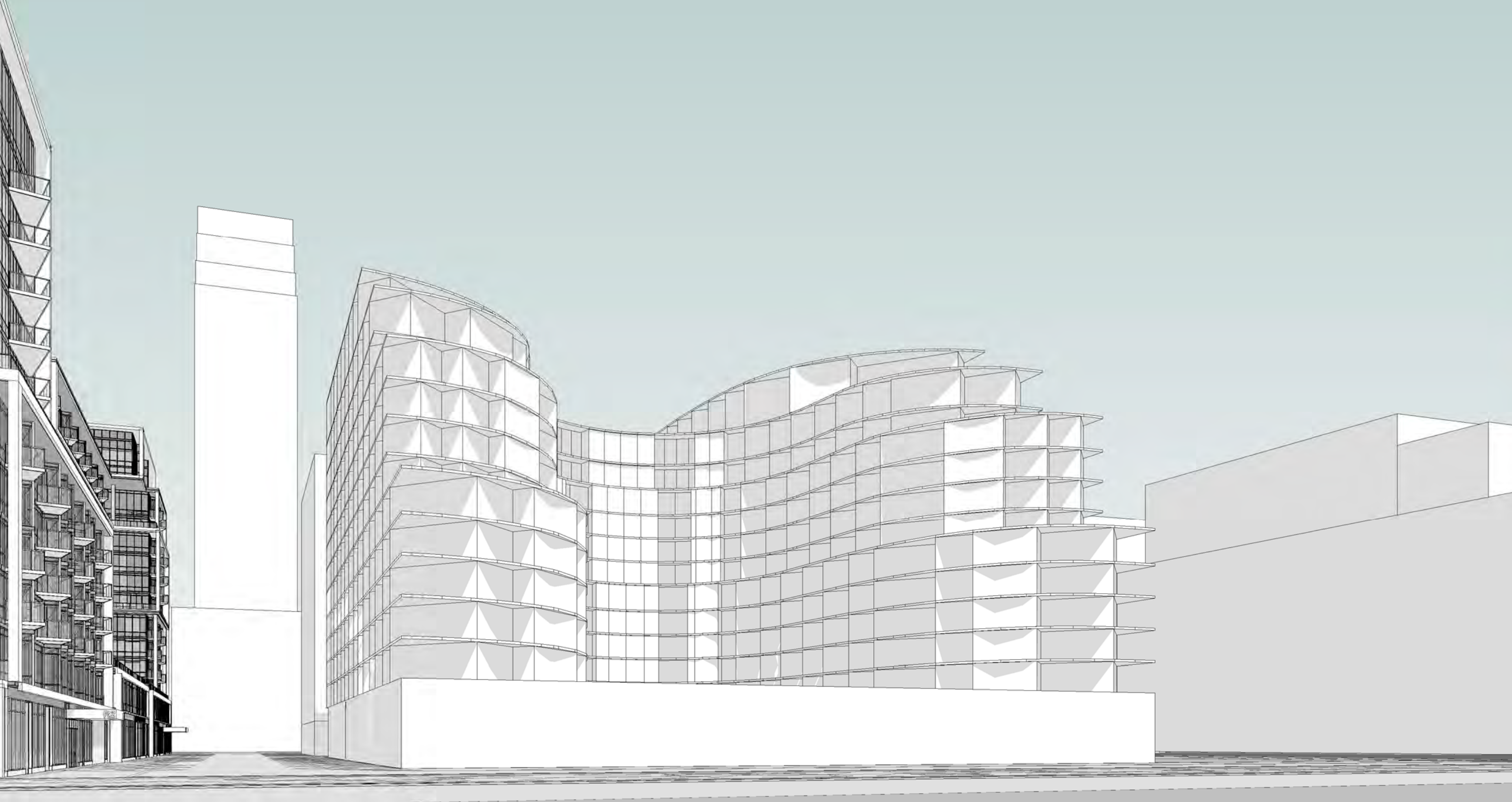




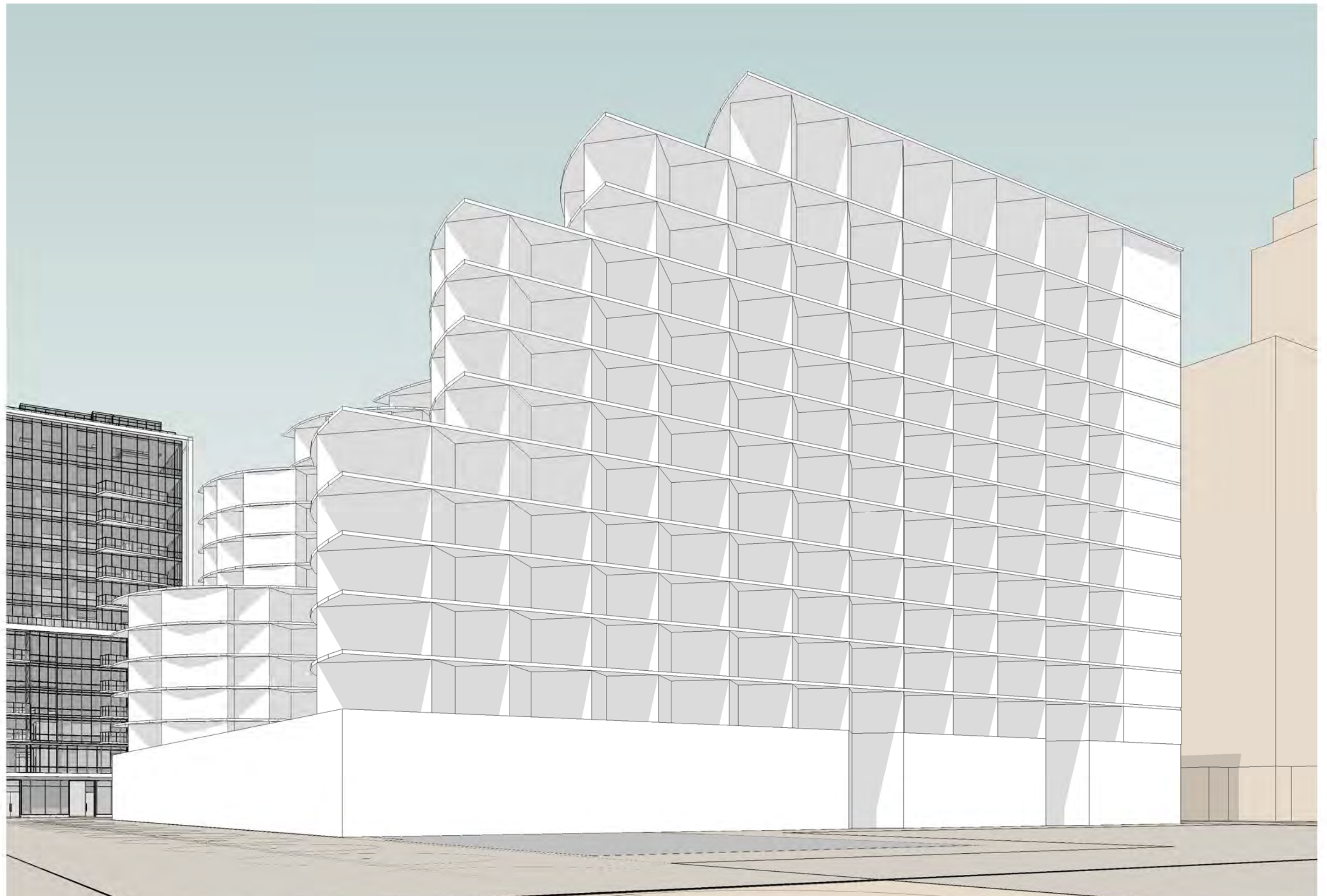








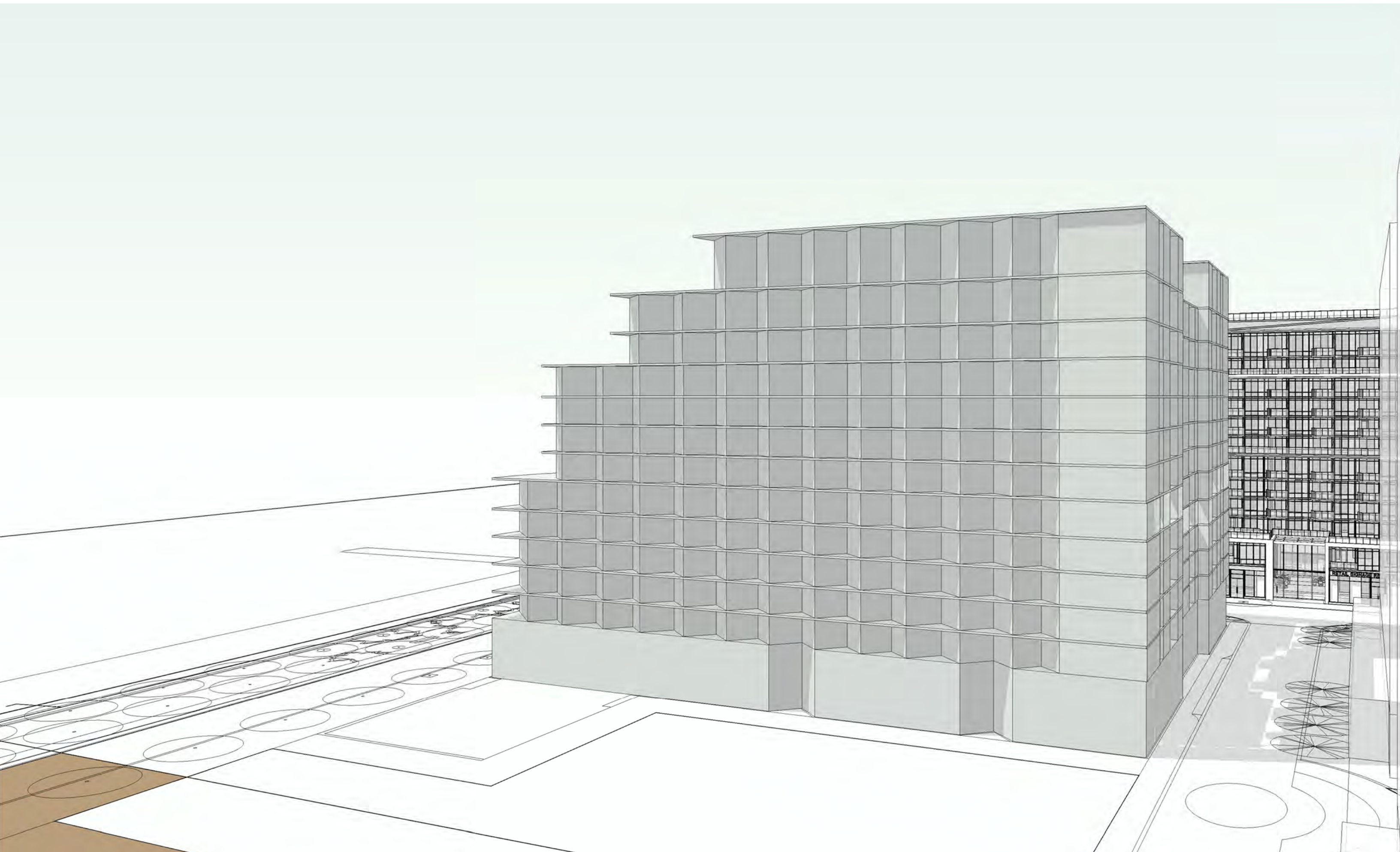




















**ZONING MASS**



**PROPOSED MASS**



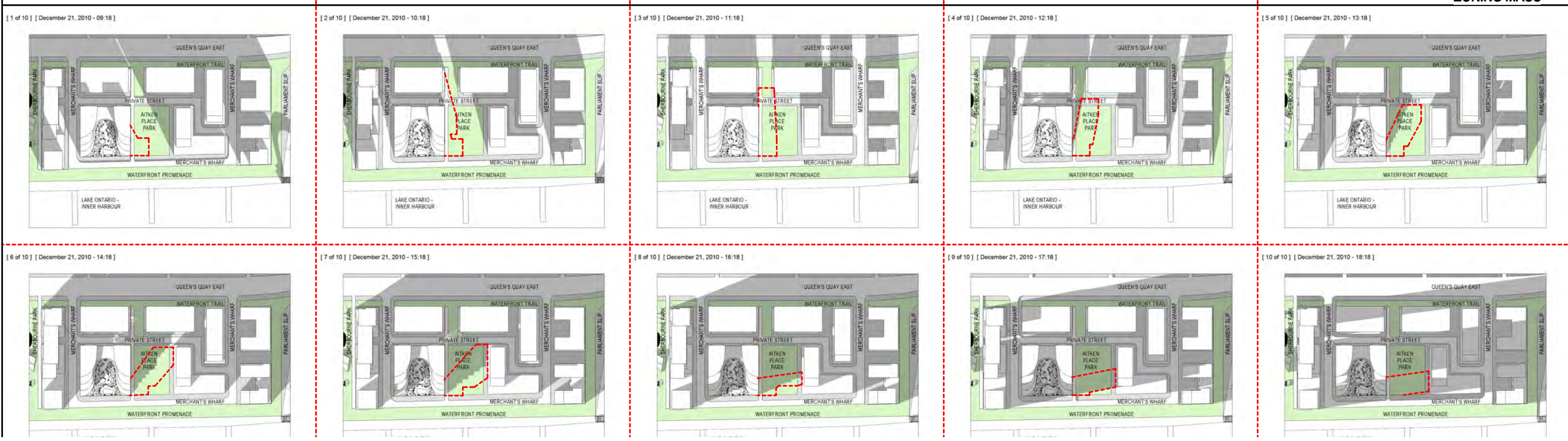
**ZONING MASS**



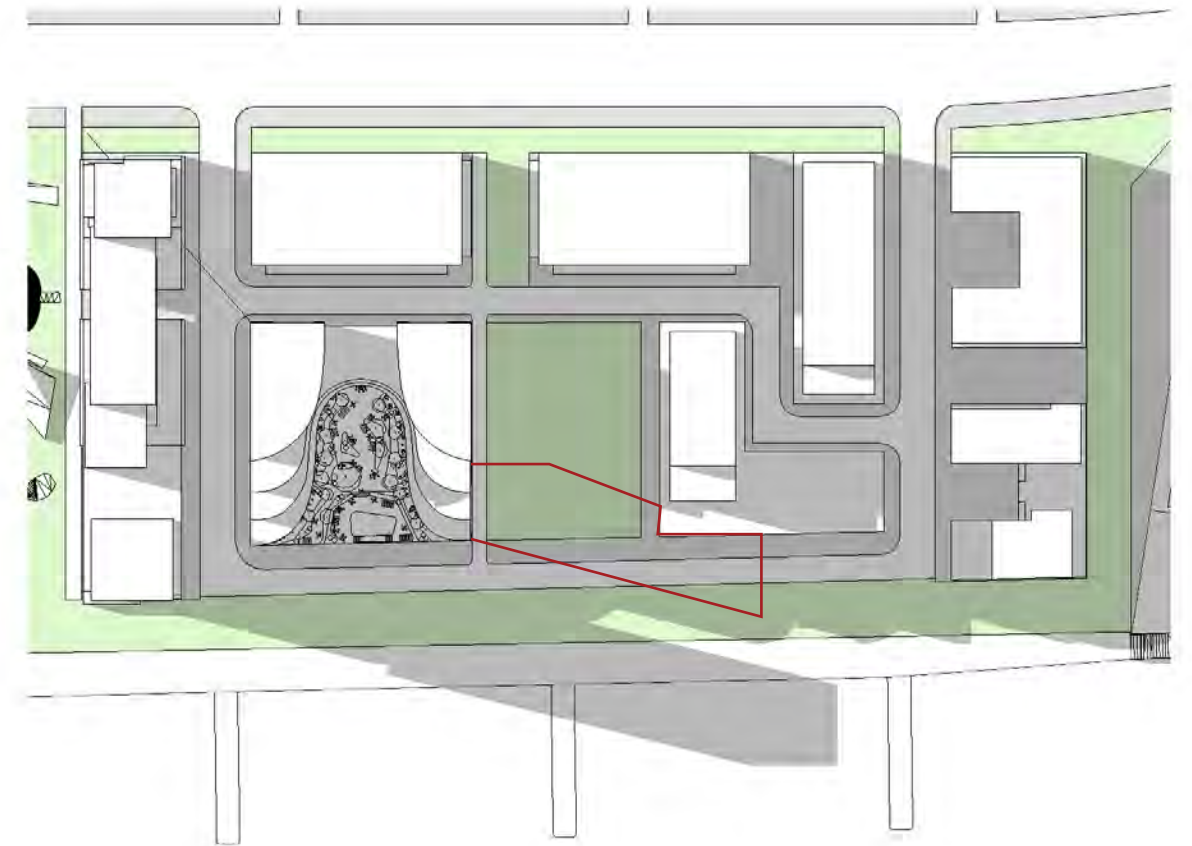
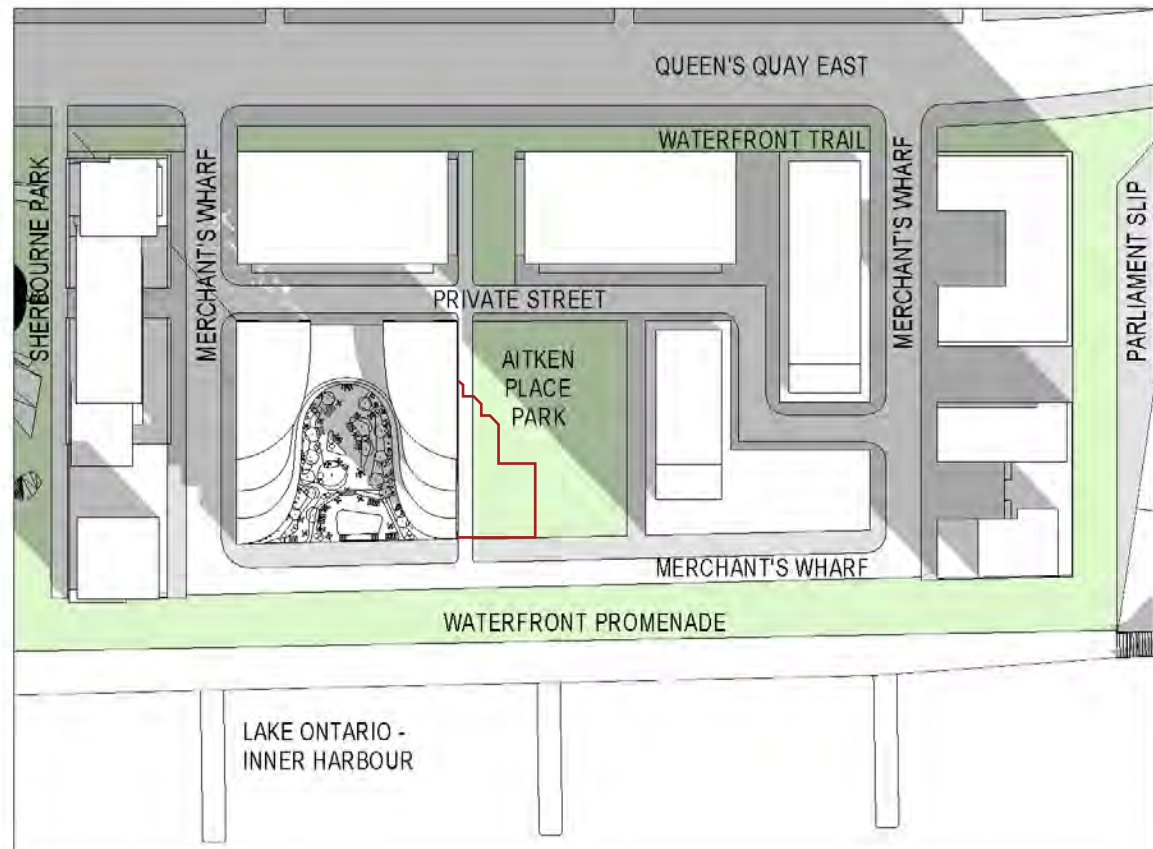
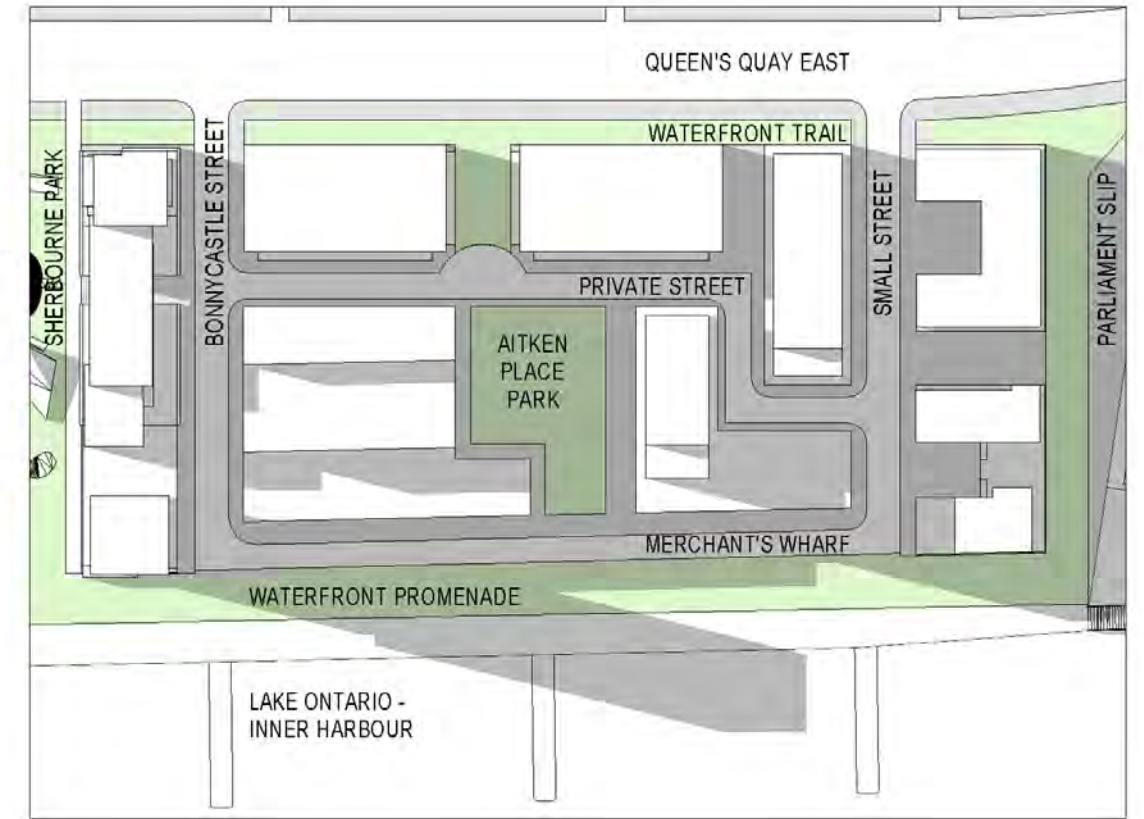
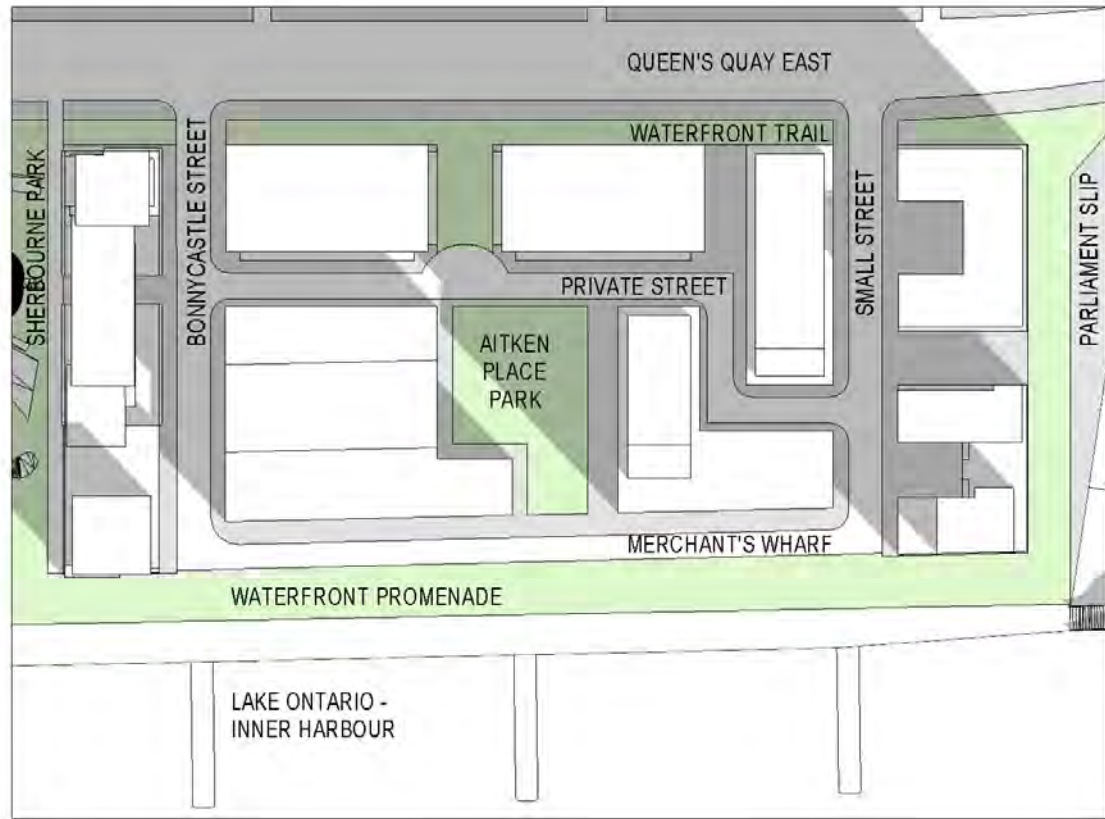
**PROPOSED MASS**

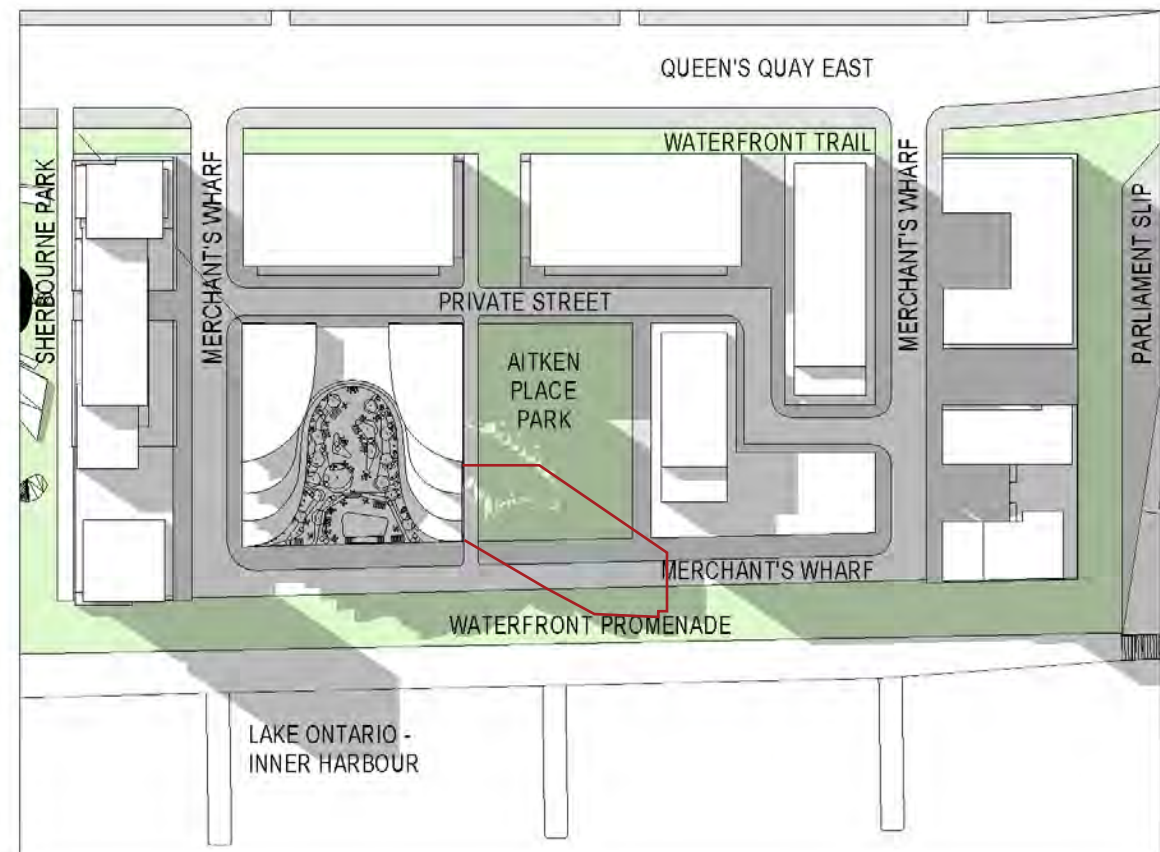
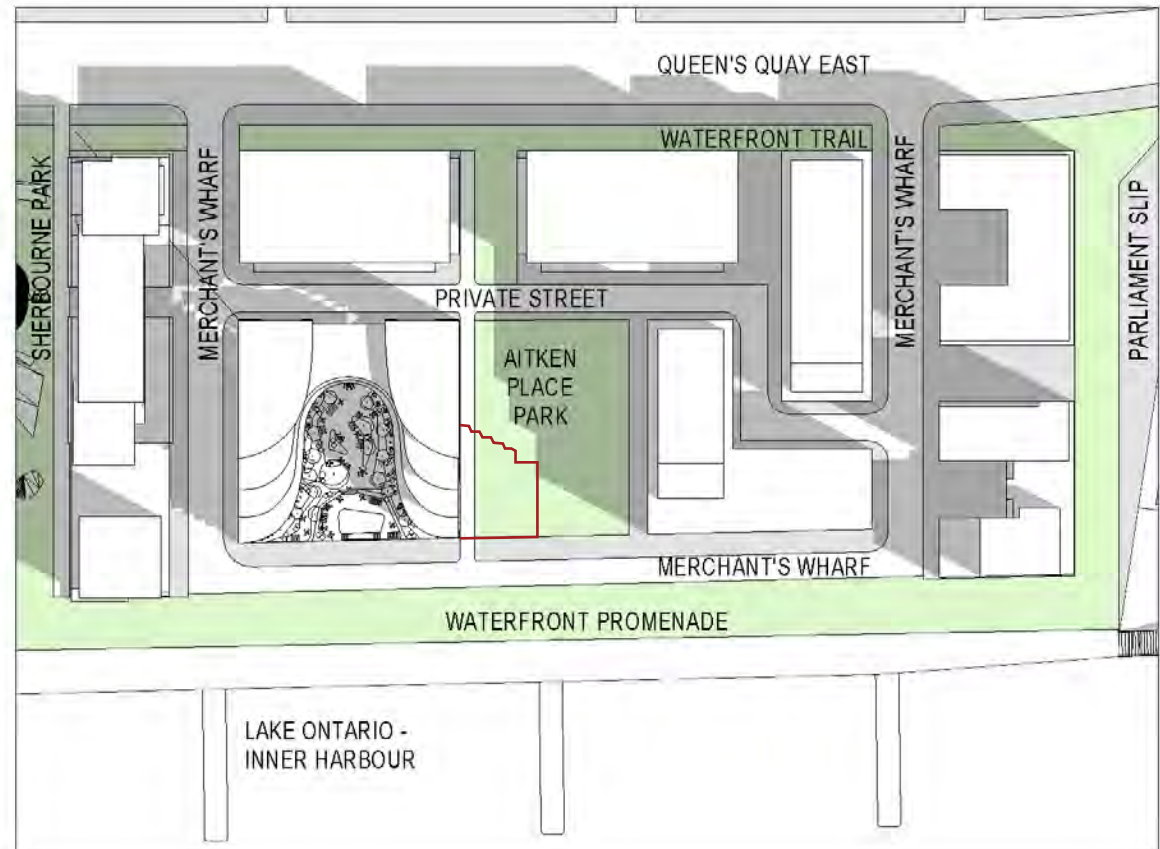
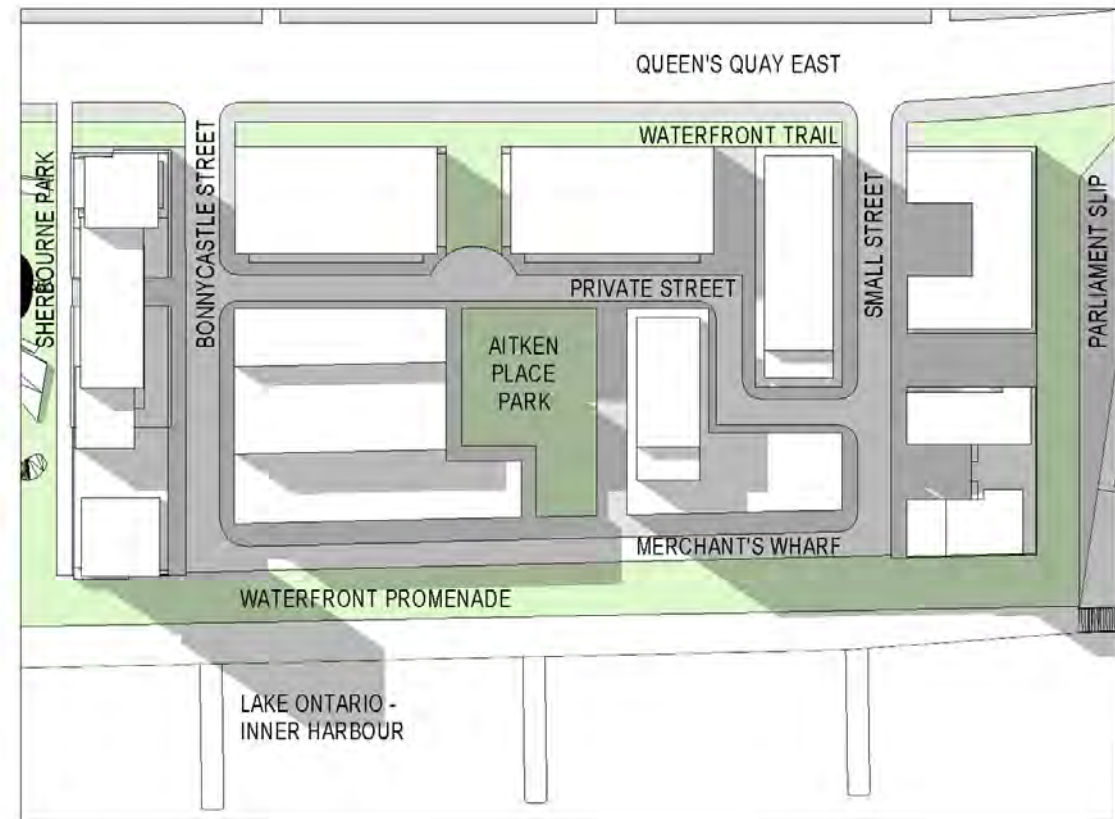
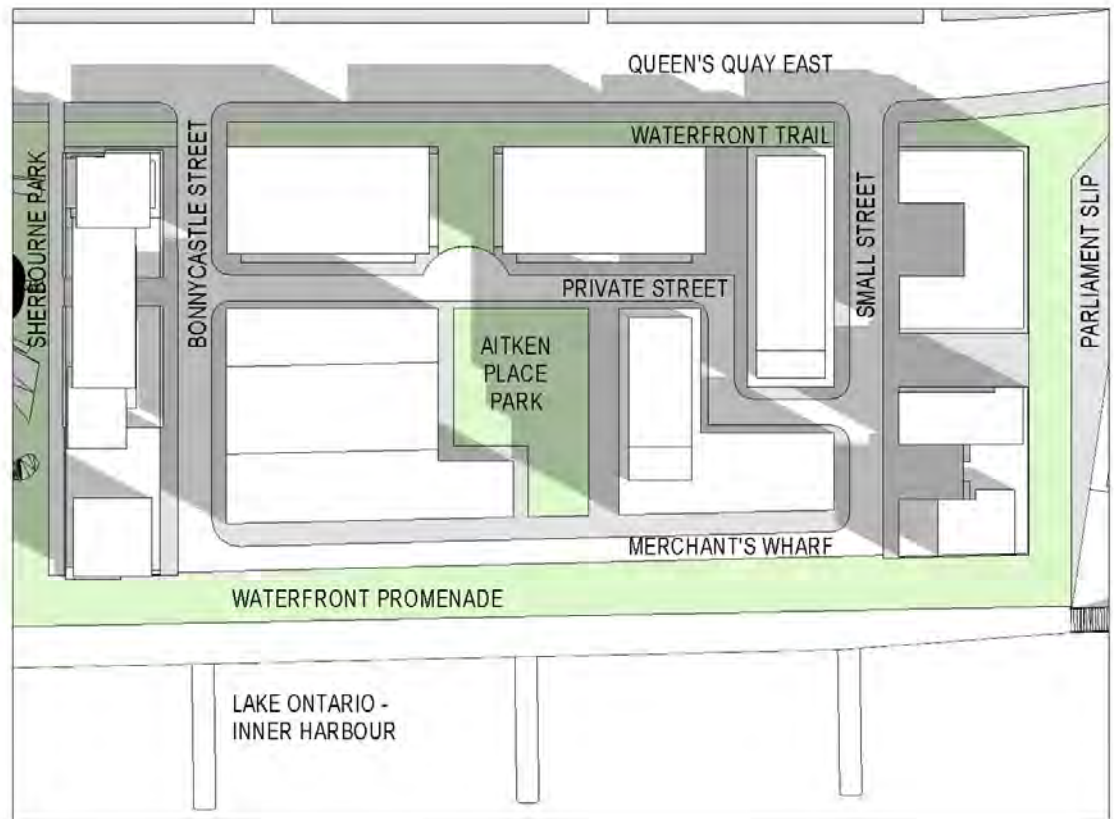


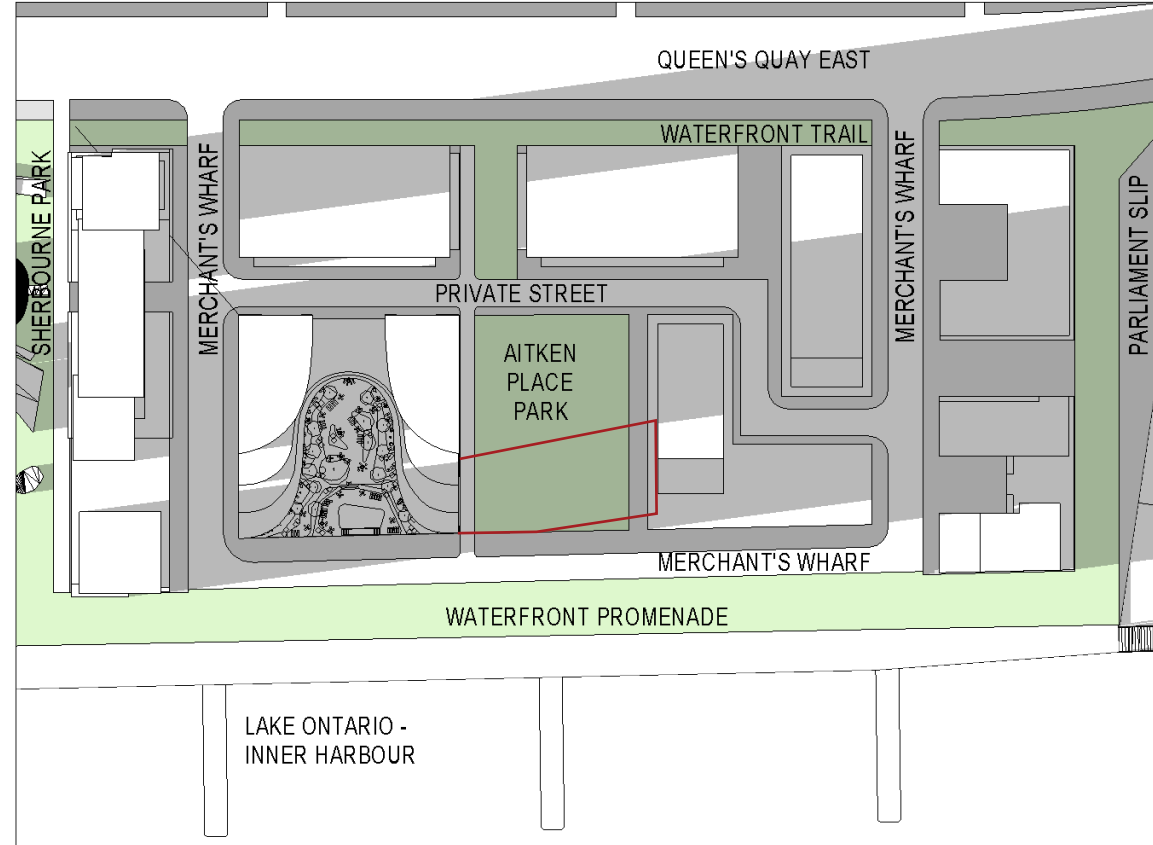
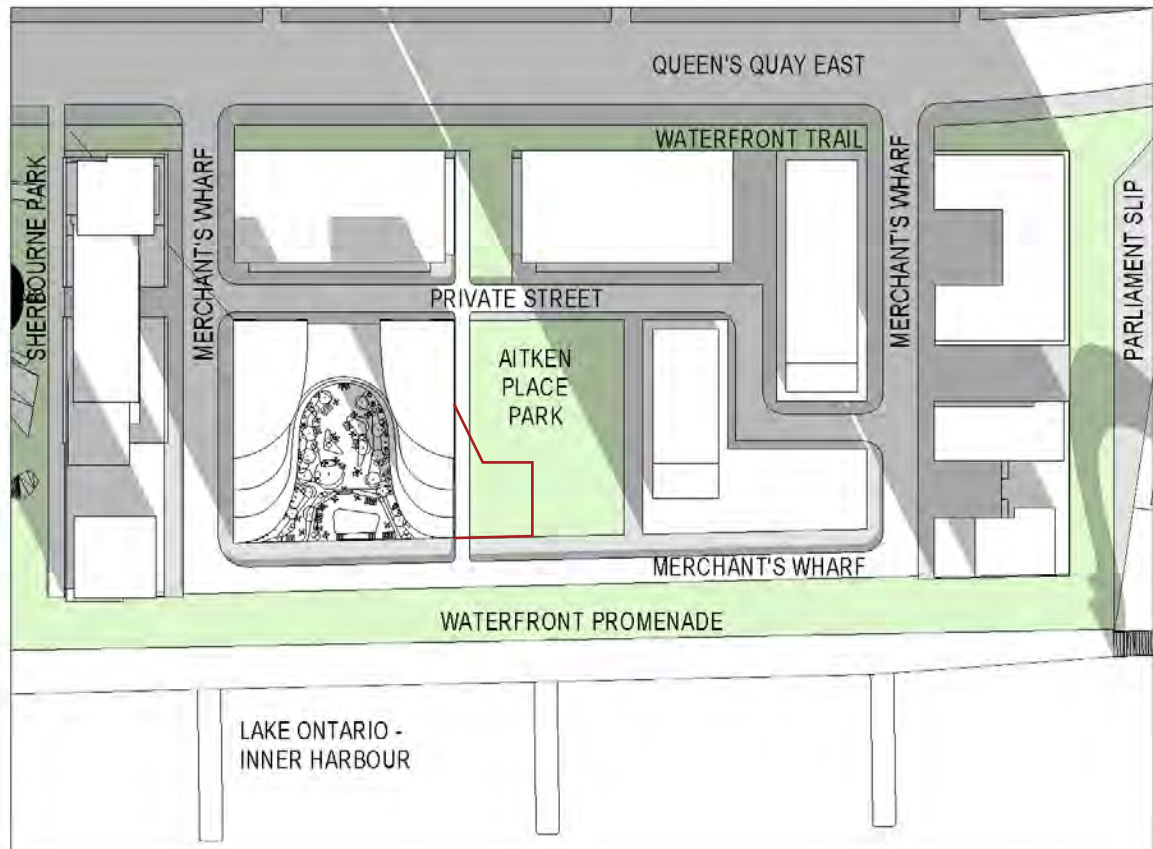
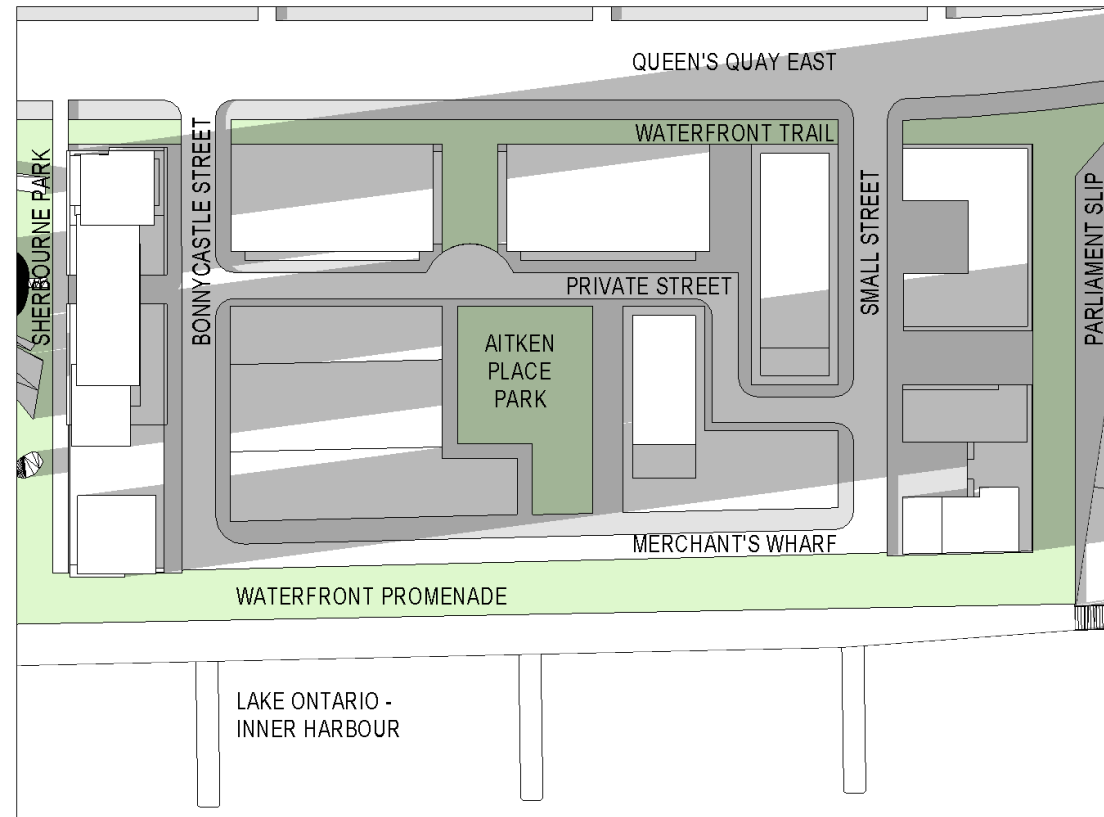
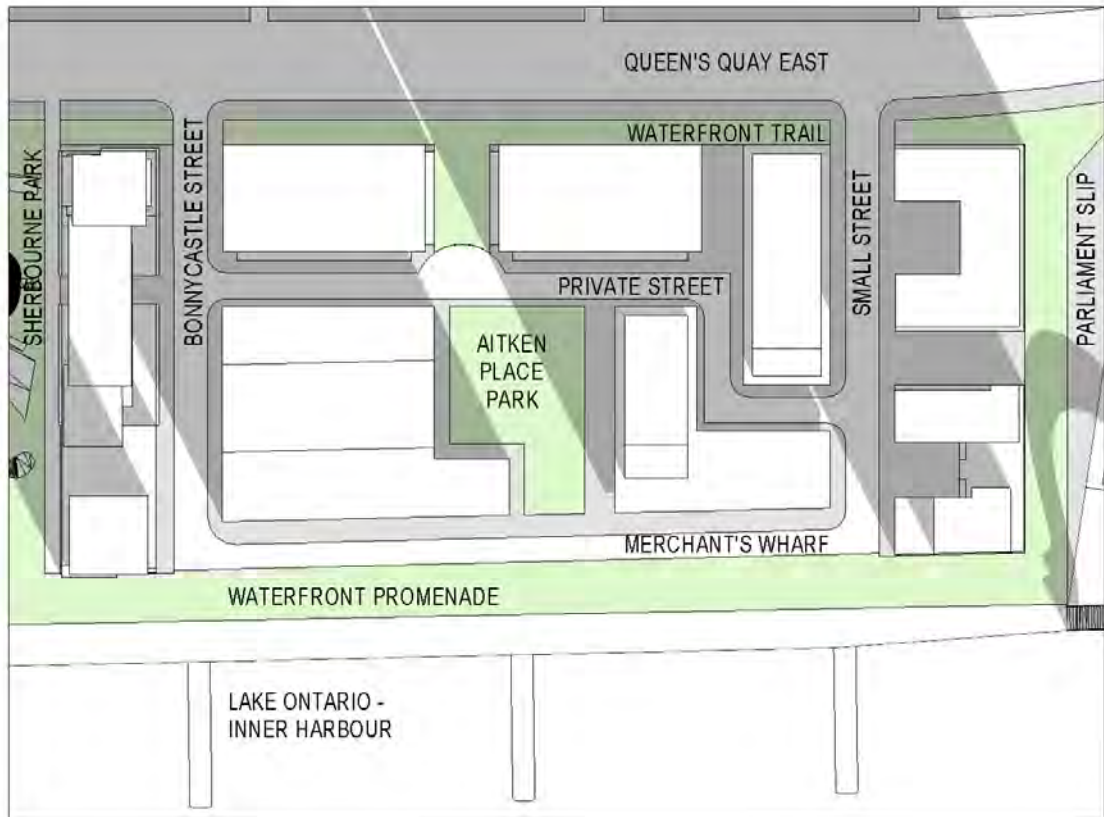
ZONING MASS



PROPOSED MASS







UNIT MIX R3/R4

DWELLING UNIT TYPE	AFFORDABLE RENTAL HOUSING					CONDOMINIUM (OWNERSHIP DWELLING UNIT)							
	1BD	1BD+D	2BD	3BD	TOTAL/FLR	1BD	1BD+D	2BD	2BD+D	3BD	3BD+D	DUPLEX	TOTAL/FLR
PH.2-MECH ROOF	0	0	0	0	0	0	0	0	0	0	0	6	See Level 11
PH.1	0	0	0	0	0	4	0	2	1	0	1	6	14
LEVEL 11	0	0	0	0	0	4	0	2	1	0	1	6	14
LEVEL 10	0	0	0	0	0	7	7	2	1	0	2	0	19
LEVEL 09	4	0	4	2	10	7	7	2	1	0	2	0	19
LEVEL 08	4	0	4	2	10	7	7	2	1	0	2	0	19
LEVEL 07	4	0	4	2	10	6	6	3	1	0	2	0	18
LEVEL 06	4	0	4	2	10	6	8	7	5	2	0	0	28
LEVEL 05	4	0	4	2	10	6	8	7	5	2	0	0	28
LEVEL 04	4	0	4	2	10	6	8	7	5	2	0	0	28
LEVEL 03	4	0	4	2	10	6	8	6	4	2	0	0	26
LEVEL 02	4	0	4	2	10	8	7	4	4	2	0	0	25
LEVEL 01M	0	0	0	0	0	0	0	0	0	0	0	0	0
LEVEL 01					0								0
<b>SUBTOTAL</b>	<b>32</b>	<b>0</b>	<b>32</b>	<b>16</b>		<b>67</b>	<b>66</b>	<b>44</b>	<b>29</b>	<b>10</b>	<b>10</b>	<b>12</b>	
	<b>80</b>					<b>238</b>							
<b>TOTAL</b>	<b>318</b>												
<b>TARGET</b>	<b>412</b>												

AFFORDABLE RENTAL HOUSING PROPOSED

80 Units

CONDOMINIUM PROPOSED

238 Units

1 BD	40%	32 Units
1BD+D (52 SM - 560 SF)	0%	0 Units
2BD (64-68 SM; 690- 730 SF)	40%	32 Units
3BD (91-101 SM; 980-1090 SF)	20%	16 Units

1 BD (49-56 SM; 530-605 SF)	28%	67 Units
1BD+D (52-71 SM; 560-765 SF)	28%	66 Units
2BD(64-82 SM; 690-885 SF)	18%	44 Units
2BD +D (81-121 SM; 870- 1305 SF)	12%	29 Units
3BD (101-145 SM; 1090-1560 SF)	4%	10 Units
3BD+D (141-205 SM; 1520-2205 SF)	4%	10 Units
DUPLEX (221 - 317 SM; 2375-3410 SF )	5%	12 Units

GFA CALCULATION R3/R4

LEVELS	HEIGHT (m/flr)	RETAIL		CONDO		AFFORDABLE		TOTAL AREA (sq m)	TOTAL AREA (sq ft)
		sq. m	sq. ft	sq. m	sq. ft	sq. m	sq. ft		
PH.2 - Mech PH	5.2	-	-	761	8,191	174	1,873	1,348	14,510
PH.1	3.9	-	-	2,166	23,315	-	-	2,166	23,315
Levels 11	3.25	-	-	2,166	23,315	-	-	2,166	23,315
Levels 10	3.25	-	-	2,554	27,491	-	-	2,554	27,491
Levels 9	3.25	-	-	1,786	19,224	777	8,364	2,554	27,588
Levels 8	2.95	-	-	1,786	19,224	777	8,364	2,554	27,588
Levels 7	2.95	-	-	1,786	19,224	777	8,364	2,554	27,588
Levels 6	3.25	-	-	2,138	23,013	777	8,364	2,920	31,377
Levels 5	2.95	-	-	2,138	23,013	777	8,364	2,920	31,377
Levels 4	2.95	-	-	2,138	23,013	777	8,364	2,920	31,377
Levels 3	2.95	-	-	1,873	20,161	777	8,364	2,655	28,524
Level 2	2.95	-	-	1,882	20,258	777	8,364	2,664	28,621
Level 1M	2.8	-	-	145	1,561	90	969	295	2,530
Level 1	5.6	2,661	28,643	867	9,332	137	1,475	3,719	39,450
Level P1	4	-	-	-	-	-	-	-	-
Level P2	2.8	-	-	-	-	-	-	-	-
Level P3	2.8	-	-	-	-	-	-	-	-
Level P4	2.8	-	-	-	-	-	-	-	-

<b>SUB TOTAL GFA ABOVE GROUND</b>	<b>2,661</b>	<b>28,643</b>	<b>24,186</b>	<b>260,336</b>	<b>6,617</b>	<b>71,225</b>	<b>33,989</b>	<b>365,854</b>
-----------------------------------	--------------	---------------	---------------	----------------	--------------	---------------	---------------	----------------

<b>TOTAL GFA (ABOVE GROUND)</b>	<b>33,989</b>	<b>364,649</b>
---------------------------------	---------------	----------------

LEGEND

<span style="background-color: #f4a460; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> RENTAL
<span style="background-color: #c8e6c9; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> CONDO
<span style="background-color: #e1bee7; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> RETAIL

TOTAL SALABLE AREA (sq m)	TOTAL SALABLE AREA (sq ft)
411	4,424
1,834	
1,834	19,741
2,167	23,325
1,478	15,909
1,478	15,909
1,443	15,532
1,808	19,461
1,808	19,461
1,808	19,461
1,543	16,609
1,442	15,522
	-
	-
<b>19,054</b>	<b>185,354</b>

\*BELOW GRADE AREAS BY OTHERS AND ARE NOT INCLUDED IN THIS CALCULATION

\*GROSS FLOOR AREA (GFA) INCLUDES FULL BUILDING ENVELOPE. GFA IS NOT ADJUSTED FOR MECHANICAL DEDUCTIONS.



# Agenda Item #2 – MGBRs/Sustainability

The version of the MGBRs applicable to my project is Version 1

MGBR Checklist	Summary of Strategy
1. Integrated Design Process	The IDP process began early during concept design and will continue with regular IDP meetings. Topics discussed at IDP meetings include: LEED Platinum strategy, energy efficiency, solar PVs, vegetation at rooftop amenities, and stormwater reuse.
2. LEED Gold	LEED Platinum will be pursued, with at least 84 points targeted. Current design is at least 50% more energy efficient than MNECB.
2b. Measurement & Verification	M&V plan will follow IPMVP Option “D”, Method 2 : Calibrated Simulation. Building energy simulation will be calibrated, based on metered data, and compared to MNECB Reference.
3. District Energy	Not applicable.
4. Energy Star Appliances	Energy Star appliances (or equivalent) will be provided.
5. Meter Energy and Water Consumption at Each Suite	Each suite will have thermal meters (heating and cooling), electricity meters, and both hot and cold water meters. Residents will be invoiced monthly based on metered consumption. Residents will be able to log in to view consumption online and via mobile app.
6. Long Term Flexibility	Slab to slab heights ranging from 2.75 to 5.2 meters are provided in residential spaces. Ground floor height is 5 metres at lowest point , ranging up to 6.1 metres clear.
7. Green Roof	Green roof area is at least 50% of building footprint (may be revised to accommodate PV panels). Roof structure is designed for intensive green roof. A maintenance plan will be established to support health and longevity of the green roof.
8. Waste Management	Kitchens will have segregated cabinet space for waste, recyclables, and organics.
9. Bicycle Parking and Storage	306 bicycle parking spaces are provided. LEED ND requirements will be exceeded.

# Agenda Item #2 – MGBRs/Sustainability

## Overview of Sustainability Approach

1. Energy					
	Energy Cost			Energy Intensity	Notes:
	Total	Delta	%	(ekWh/m2/year)	
MNECB Reference	\$424,308	_____	_____	209	
Proposed Design	\$189,898	\$234,410	55%	93.6	Excluding process loads
2. Window & Doors					
	Description of Materials		U-Value (IP)	SHGC (%)	
Typical Window	Double-glazed low-E, argon fill, warm-edge spacers, thermally broken aluminum frame.		0.35	0.27	
Typical Glass Door	Double-glazed low-E, argon fill, warm-edge spacers, thermally broken aluminum frame.		0.35	0.27	
3. Wall & Roof					
	Description of Materials		U-Value (IP)	R-Nom (IP)	
Typical Wall	Spandrel, semi-rigid insulation, batt insulation. Brick, cavity wall w semi-rigid and batt ins.		0.083	R-20	
Roof	Inverted ballast roof or concrete pavers, with 150mm rigid insulation.		0.033	R-30	

# MGBR # 2 – Integrated Design Process

Topics discussed in IDP meetings:

- Holistically energy efficient design, informed by building energy simulation
  - Envelope design and specification
  - Equipment efficiencies
  - Lighting strategies
- Roof design
  - Integration of green roof, terraces, and amenity spaces
  - Solar PVs
- Stormwater management and reuse
- Strategies for achieving LEED Platinum

Supporting Materials Provided: No

# MGBR # 4 – LEED Gold (Platinum)

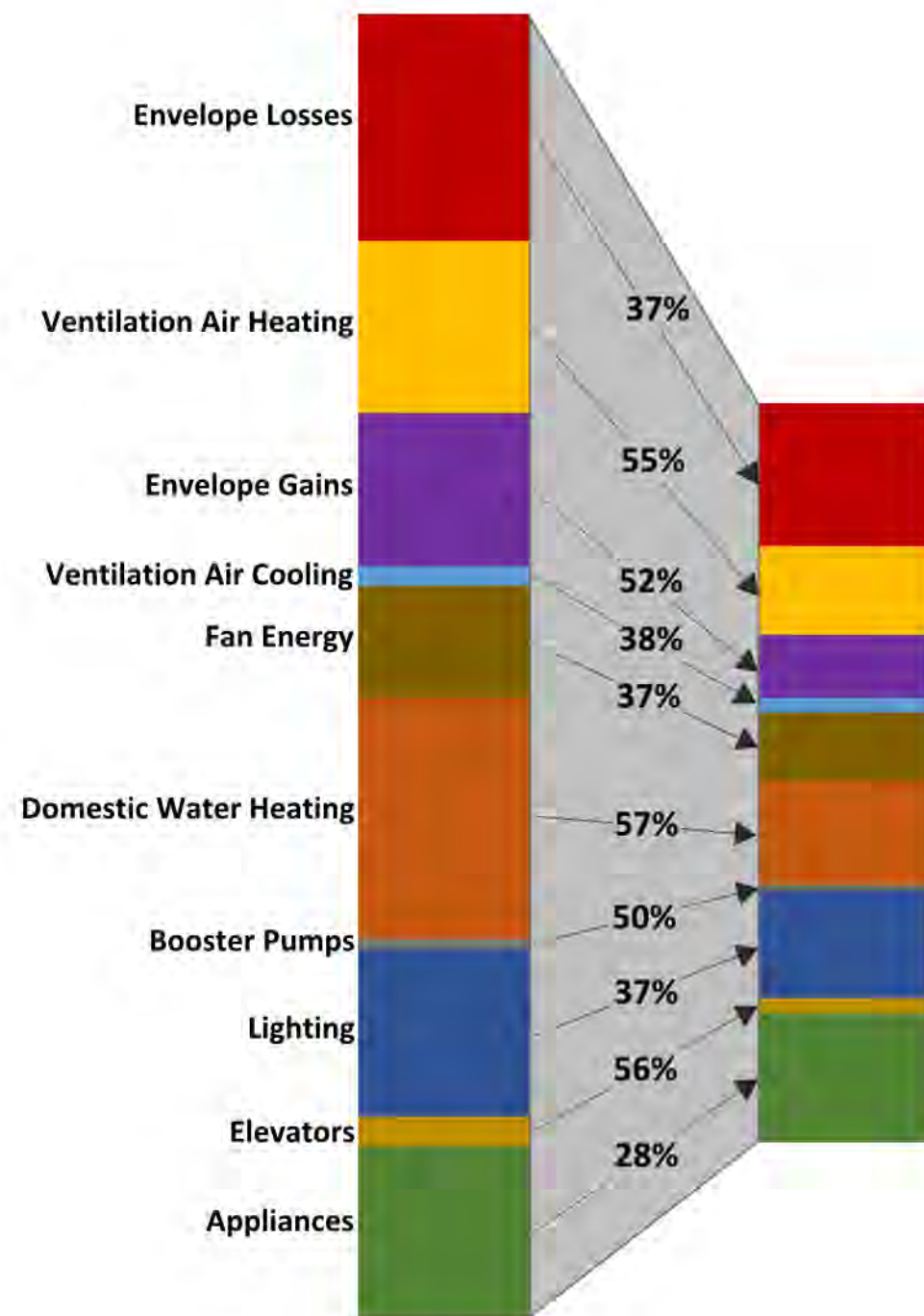


**Aquavista at Bayside**  
LEED Canada-NC 2009  
Preliminary Project Checklist

June 2014

Total Project Score				Possible Points			
Y	?	N	Points	Y	?	N	Points
Certified 40 to 49 points - Silver 50 to 59 points - Gold 60 to 79 points - Platinum 80+ points							
<b>22</b>				<b>26</b>			
<b>Sustainable Sites</b>				<b>Materials &amp; Resources</b>			
Y	?	N	Points	Y	?	N	Points
-	-	-	SSp1	-	-	-	MRp1
1			SSc1	1			MRc1.1
5			SSc2	5			MRc1.2
1			SSc3	1	2		MRc2
6			SSc4.1	6			MRc3
1			SSc4.2	1	2		MRc4
3			SSc4.3	3	2		MRc5
2			SSc4.4	2			MRc6
1			SSc5.1	1	1		MRc7
1			SSc5.2	1			
1			SSc6.1	1			
1			SSc6.2	1			
1			SSc7	1			
1			SSc8.1	1			
1			SSc8.2	1			
1			SSc9	1			
<b>3</b>				<b>11</b>			
<b>Water Efficiency</b>				<b>Indoor Environmental Quality</b>			
Y	?	N	Points	Y	?	N	Points
-	-	-	WEp1	-	-	-	IEQp1
2			WEc1	1			IEQc1.1
2			WEc2	1			IEQc1.2
4			WEc3	1			IEQc1.3
1			WEc4	1			IEQc1.4
1			WEc5	1			IEQc1.5
1			WEc6	1			IEQc1.6
1			WEc7	1			IEQc1.7
1			WEc8	1			IEQc1.8
1			WEc9	1			IEQc1.9
1			WEc10	1			IEQc1.10
1			WEc11	1			IEQc1.11
1			WEc12	1			IEQc1.12
1			WEc13	1			IEQc1.13
1			WEc14	1			IEQc1.14
1			WEc15	1			IEQc1.15
1			WEc16	1			IEQc1.16
1			WEc17	1			IEQc1.17
1			WEc18	1			IEQc1.18
1			WEc19	1			IEQc1.19
1			WEc20	1			IEQc1.20
1			WEc21	1			IEQc1.21
1			WEc22	1			IEQc1.22
1			WEc23	1			IEQc1.23
1			WEc24	1			IEQc1.24
1			WEc25	1			IEQc1.25
1			WEc26	1			IEQc1.26
1			WEc27	1			IEQc1.27
1			WEc28	1			IEQc1.28
1			WEc29	1			IEQc1.29
1			WEc30	1			IEQc1.30
1			WEc31	1			IEQc1.31
1			WEc32	1			IEQc1.32
1			WEc33	1			IEQc1.33
1			WEc34	1			IEQc1.34
1			WEc35	1			IEQc1.35
1			WEc36	1			IEQc1.36
1			WEc37	1			IEQc1.37
1			WEc38	1			IEQc1.38
1			WEc39	1			IEQc1.39
1			WEc40	1			IEQc1.40
1			WEc41	1			IEQc1.41
1			WEc42	1			IEQc1.42
1			WEc43	1			IEQc1.43
1			WEc44	1			IEQc1.44
1			WEc45	1			IEQc1.45
1			WEc46	1			IEQc1.46
1			WEc47	1			IEQc1.47
1			WEc48	1			IEQc1.48
1			WEc49	1			IEQc1.49
1			WEc50	1			IEQc1.50
1			WEc51	1			IEQc1.51
1			WEc52	1			IEQc1.52
1			WEc53	1			IEQc1.53
1			WEc54	1			IEQc1.54
1			WEc55	1			IEQc1.55
1			WEc56	1			IEQc1.56
1			WEc57	1			IEQc1.57
1			WEc58	1			IEQc1.58
1			WEc59	1			IEQc1.59
1			WEc60	1			IEQc1.60
1			WEc61	1			IEQc1.61
1			WEc62	1			IEQc1.62
1			WEc63	1			IEQc1.63
1			WEc64	1			IEQc1.64
1			WEc65	1			IEQc1.65
1			WEc66	1			IEQc1.66
1			WEc67	1			IEQc1.67
1			WEc68	1			IEQc1.68
1			WEc69	1			IEQc1.69
1			WEc70	1			IEQc1.70
1			WEc71	1			IEQc1.71
1			WEc72	1			IEQc1.72
1			WEc73	1			IEQc1.73
1			WEc74	1			IEQc1.74
1			WEc75	1			IEQc1.75
1			WEc76	1			IEQc1.76
1			WEc77	1			IEQc1.77
1			WEc78	1			IEQc1.78
1			WEc79	1			IEQc1.79
1			WEc80	1			IEQc1.80
1			WEc81	1			IEQc1.81
1			WEc82	1			IEQc1.82
1			WEc83	1			IEQc1.83
1			WEc84	1			IEQc1.84
1			WEc85	1			IEQc1.85
1			WEc86	1			IEQc1.86
1			WEc87	1			IEQc1.87
1			WEc88	1			IEQc1.88
1			WEc89	1			IEQc1.89
1			WEc90	1			IEQc1.90
1			WEc91	1			IEQc1.91
1			WEc92	1			IEQc1.92
1			WEc93	1			IEQc1.93
1			WEc94	1			IEQc1.94
1			WEc95	1			IEQc1.95
1			WEc96	1			IEQc1.96
1			WEc97	1			IEQc1.97
1			WEc98	1			IEQc1.98
1			WEc99	1			IEQc1.99
1			WEc100	1			IEQc1.100
1			WEc101	1			IEQc1.101
1			WEc102	1			IEQc1.102
1			WEc103	1			IEQc1.103
1			WEc104	1			IEQc1.104
1			WEc105	1			IEQc1.105
1			WEc106	1			IEQc1.106
1			WEc107	1			IEQc1.107
1			WEc108	1			IEQc1.108
1			WEc109	1			IEQc1.109
1			WEc110	1			IEQc1.110
1			WEc111	1			IEQc1.111
1			WEc112	1			IEQc1.112
1			WEc113	1			IEQc1.113
1			WEc114	1			IEQc1.114
1			WEc115	1			IEQc1.115
1			WEc116	1			IEQc1.116
1			WEc117	1			IEQc1.117
1			WEc118	1			IEQc1.118
1			WEc119	1			IEQc1.119
1			WEc120	1			IEQc1.120
1			WEc121	1			IEQc1.121
1			WEc122	1			IEQc1.122
1			WEc123	1			IEQc1.123
1			WEc124	1			IEQc1.124
1			WEc125	1			IEQc1.125
1			WEc126	1			IEQc1.126
1			WEc127	1			IEQc1.127
1			WEc128	1			IEQc1.128
1			WEc129	1			IEQc1.129
1			WEc130	1			IEQc1.130
1			WEc131	1			IEQc1.131
1			WEc132	1			IEQc1.132
1			WEc133	1			IEQc1.133
1			WEc134	1			IEQc1.134
1			WEc135	1			IEQc1.135
1			WEc136	1			IEQc1.136
1			WEc137	1			IEQc1.137
1			WEc138	1			IEQc1.138
1			WEc139	1			IEQc1.139
1			WEc140	1			IEQc1.140
1			WEc141	1			IEQc1.141
1			WEc142	1			IEQc1.142
1			WEc143	1			IEQc1.143
1			WEc144	1			IEQc1.144
1			WEc145	1			IEQc1.145
1			WEc146	1			IEQc1.146
1			WEc147	1			IEQc1.147
1			WEc148	1			IEQc1.148
1			WEc149	1			IEQc1.149
1			WEc150	1			IEQc1.150
1			WEc151	1			IEQc1.151
1			WEc152	1			IEQc1.152
1			WEc153	1			IEQc1.153
1			WEc154	1			IEQc1.154
1			WEc155	1			IEQc1.155
1			WEc156	1			IEQc1.156
1			WEc157	1			IEQc1.157
1			WEc158	1			IEQc1.158
1			WEc159	1			IEQc1.159
1			WEc160	1			IEQc1.160
1			WEc161	1			IEQc1.161
1			WEc162	1			IEQc1.162
1			WEc163	1			IEQc1.163
1			WEc164	1			IEQc1.164
1			WEc165	1			IEQc1.165
1			WEc166				

# MGBR # 4a – Energy Performance



- Improved spandrel insulation
- WarmEdge spacers and argon gas
- Corridor air minimized, 20 cfm
- In-suite air heat-recovery, ~70% efficiency
- Low-E coating, max SHGC 0.28
- Reduced air volumes, reduced stack effect, and high-efficiency variable frequency motors
- Water use reduction of ~50% translates to reduced water heating consumption and reduced pumping energy
- Efficient plant systems: condensing boilers & advanced chiller options (e.g. magnetic or ceramic bearing)
- LEDs, occupancy/daylight sensors incorporated where appropriate
- Regenerative elevators
- Energy Star compliant appliances

Supporting Materials Provided: No

# MGBR # 4b – Measurement & Verification

- Measurement of key central and in-suite energy and water loads
- M&V plan will follow IPMVP Option “D”, Method 2 : Calibrated Simulation.
- Building energy simulation will be calibrated, based on metered data, and compared to MNECB Reference.
- Quarterly reports will be issued for one full year of operation, to provide useful feedback on building energy and water performance.



Electrical Meter



Water Meter



Thermal Meter

Supporting Materials Provided: No

# MGBR # 7 – Long term Flexibility



Supporting Materials Provided: Yes

# MGBR # 8 – Green Roof



Supporting Materials Provided: No

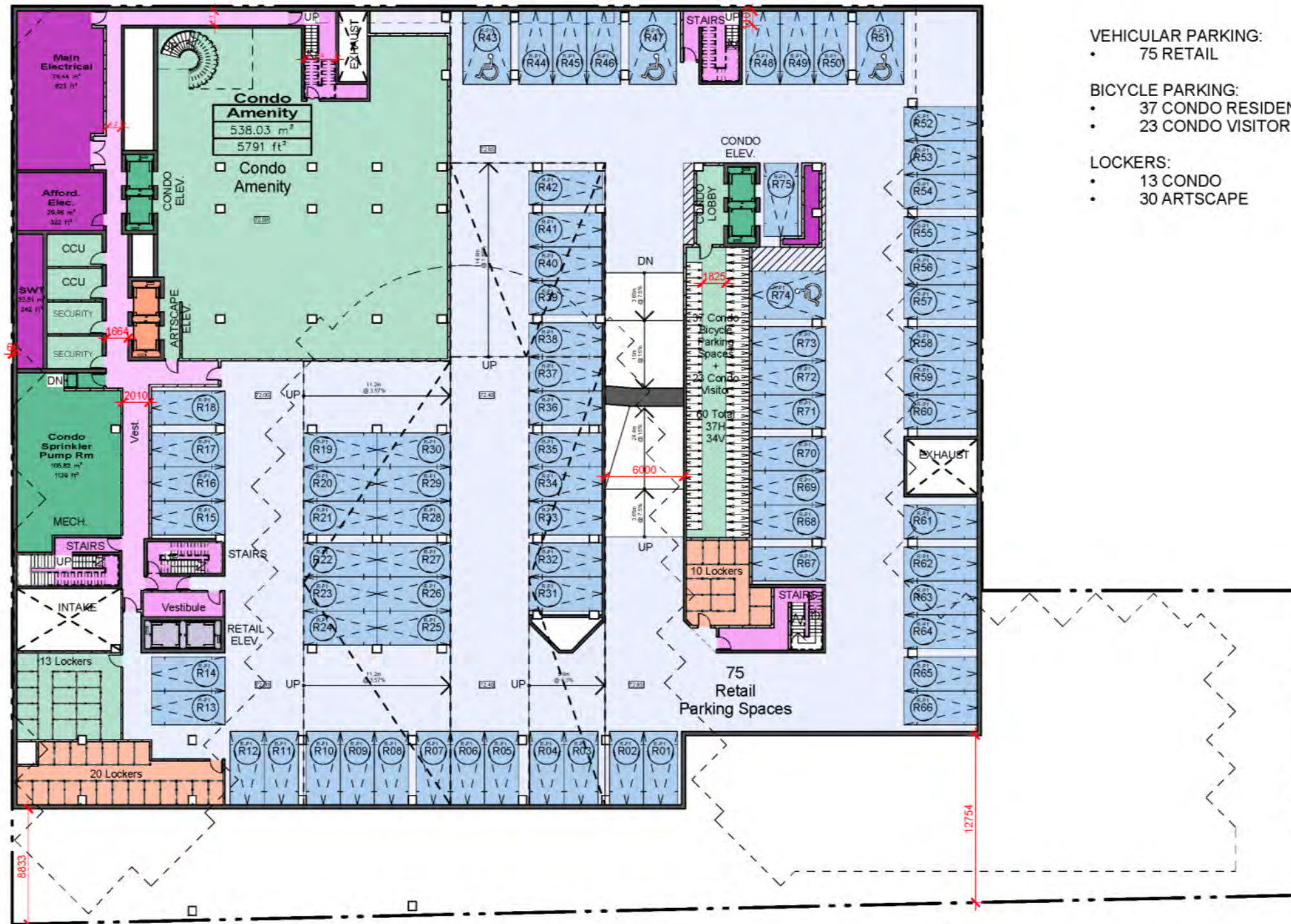
# MGBR # 9 – Waste Management

- Tandem Triple Waste-sorting bins will be integrated into kitchen design.
- Trisorters will be provided for convenient waste collection.
- Instructions for sorting waste will be posted beside Trisorter chutes and included within literature provided to new occupants.



Supporting Materials Provided: Yes

# MGBR # 10 – Bicycle Parking & Storage



**VEHICULAR PARKING:**

- 75 RETAIL

**BICYCLE PARKING:**

- 37 CONDO RESIDENT
- 23 CONDO VISITOR

**LOCKERS:**

- 13 CONDO
- 30 ARTSCAPE

Level P1  
JUNE 16, 2014

Supporting Materials Provided: Yes

