

**GREENERY AREA CALCULATION**

SITE AREA = 12915 m<sup>2</sup> (≥ 1000 m<sup>2</sup> < 20000 m<sup>2</sup>)

GREENERY AREA AT GROUND FLOOR (PEDESTRIAN ZONE)

G1 GREENERY AREA = 11.037 m <sup>2</sup>	G2 GREENERY AREA = 6.913 m <sup>2</sup>	G3 GREENERY AREA = 72.839 m <sup>2</sup>	G4 GREENERY AREA = 3.967 m <sup>2</sup>	G5 GREENERY AREA = 9.641 m <sup>2</sup>	G6 GREENERY AREA = 3.955 m <sup>2</sup>	G7 GREENERY AREA = 2.82 m <sup>2</sup>	G8 GREENERY AREA = 10.377 m <sup>2</sup>	G9 GREENERY AREA = 0.563 m <sup>2</sup>	G10 GREENERY AREA = 2.753 m <sup>2</sup>	G11 GREENERY AREA = 10.077 m <sup>2</sup>	G12 GREENERY AREA = 2.282 m <sup>2</sup>	G13 GREENERY AREA = 1.695 m <sup>2</sup>	G14 GREENERY AREA = 17.294 m <sup>2</sup>	G15 GREENERY AREA = 1.831 m <sup>2</sup>	G16 GREENERY AREA = 1.767 m <sup>2</sup>	G17 GREENERY AREA = 0.743 m <sup>2</sup>	G18 GREENERY AREA = 1.924 m <sup>2</sup>	G19 GREENERY AREA = 0.781 m <sup>2</sup>	G20 GREENERY AREA = 2.225 m <sup>2</sup>	G21 GREENERY AREA = 2.45 m <sup>2</sup>	G22 GREENERY AREA = 11.213 m <sup>2</sup>	G23 GREENERY AREA = 1.811 m <sup>2</sup>	G24 GREENERY AREA = 1.25 m <sup>2</sup>	G25 GREENERY AREA = 10.776 m <sup>2</sup>	G26 GREENERY AREA = 2.819 m <sup>2</sup>	G27 GREENERY AREA = 1.811 m <sup>2</sup>	G28 GREENERY AREA = 1.250 m <sup>2</sup>	G29 GREENERY AREA = 11.406 m <sup>2</sup>	G30 GREENERY AREA = 1.798 m <sup>2</sup>	G31 GREENERY AREA = 0.907 m <sup>2</sup>	G32 GREENERY AREA = 18.744 m <sup>2</sup>	G33 GREENERY AREA = 1.300 m <sup>2</sup>	G34 GREENERY AREA = 41.580 m <sup>2</sup>	G35 GREENERY AREA = 6.565 m <sup>2</sup>	G36 GREENERY AREA = 4.244 m <sup>2</sup>	G37 GREENERY AREA = 3.301 m <sup>2</sup>	G38 GREENERY AREA = 0.804 m <sup>2</sup>	G39 GREENERY AREA = 3.566 m <sup>2</sup>	G40 GREENERY AREA = 34.272 m <sup>2</sup>	G41 GREENERY AREA = 0.312 m <sup>2</sup>	G42 GREENERY AREA = 10.615 m <sup>2</sup>	G43 GREENERY AREA = 42.505 m <sup>2</sup>	G44 GREENERY AREA = 1.923 m <sup>2</sup>	G45 GREENERY AREA = 3.043 m <sup>2</sup>	G46 GREENERY AREA = 18.741 m <sup>2</sup>	G47 GREENERY AREA = 12.514 m <sup>2</sup>	G48 GREENERY AREA = 7.215 m <sup>2</sup>	G49 GREENERY AREA = 8.986 m <sup>2</sup>	G50 GREENERY AREA = 0.408 m <sup>2</sup>	G51 GREENERY AREA = 15.285 m <sup>2</sup>	G52 GREENERY AREA = 1.14 m <sup>2</sup>	G53 GREENERY AREA = 49.718 m <sup>2</sup>	G54 GREENERY AREA = 8.766 m <sup>2</sup>	G55 GREENERY AREA = 4.031 m <sup>2</sup>	G56 GREENERY AREA = 23.267 m <sup>2</sup>	G57 GREENERY AREA = 64.959 m <sup>2</sup>	G58 GREENERY AREA = 68.724 m <sup>2</sup>	G59 GREENERY AREA = 10.770 m <sup>2</sup>	G60 GREENERY AREA = 44.048 m <sup>2</sup>	G61 GREENERY AREA = 14.464 m <sup>2</sup>	G62 GREENERY AREA = 7.076 m <sup>2</sup>	G63 GREENERY AREA = 0.708 m <sup>2</sup>	G64 GREENERY AREA = 4.335 m <sup>2</sup>	G65 GREENERY AREA = 9.321 m <sup>2</sup>	G66 GREENERY AREA = 2.169 m <sup>2</sup>	G67 GREENERY AREA = 2.169 m <sup>2</sup>	G68 GREENERY AREA = 2.169 m <sup>2</sup>	G69 GREENERY AREA = 2.169 m <sup>2</sup>	G70 GREENERY AREA = 2.169 m <sup>2</sup>	G71 GREENERY AREA = 1.050 m <sup>2</sup>	G72 GREENERY AREA = 26.694 m <sup>2</sup>	G73 GREENERY AREA = 28.446 m <sup>2</sup>	G74 GREENERY AREA = 13.022 m <sup>2</sup>	G75 GREENERY AREA = 86.652 m <sup>2</sup>	G76 GREENERY AREA = 16.014 m <sup>2</sup>	G77 GREENERY AREA = 49.560 m <sup>2</sup>	G78 GREENERY AREA = 153.737 m <sup>2</sup>	G79 GREENERY AREA = 4.160 m <sup>2</sup>	G80 GREENERY AREA = 4.160 m <sup>2</sup>	G81 GREENERY AREA = 2.270 m <sup>2</sup>	G82 GREENERY AREA = 2.270 m <sup>2</sup>	G83 GREENERY AREA = 2.270 m <sup>2</sup>	G84 GREENERY AREA = 2.270 m <sup>2</sup>	G85 GREENERY AREA = 6.599 m <sup>2</sup>	G86 GREENERY AREA = 6.599 m <sup>2</sup>	G87 GREENERY AREA = 72.034 m <sup>2</sup>	G88 GREENERY AREA = 12.202 m <sup>2</sup>	G89 GREENERY AREA = 0.761 m <sup>2</sup>	G90 GREENERY AREA = 6.599 m <sup>2</sup>	G91 GREENERY AREA = 6.599 m <sup>2</sup>	G92 GREENERY AREA = 37.850 m <sup>2</sup>	G93 GREENERY AREA = 120.603 m <sup>2</sup>	G94 GREENERY AREA = 12.372 m <sup>2</sup>	G95 GREENERY AREA = 1.500 m <sup>2</sup>	G96 GREENERY AREA = 1.500 m <sup>2</sup>	G97 GREENERY AREA = 0.999 m <sup>2</sup>	G98 GREENERY AREA = 18.274 m <sup>2</sup>	G99 GREENERY AREA = 3.785 m <sup>2</sup>	G100 GREENERY AREA = 29.797 m <sup>2</sup>	G101 GREENERY AREA = 3.785 m <sup>2</sup>	G102 GREENERY AREA = 2.584 m <sup>2</sup>	G103 GREENERY AREA = 1.575 m <sup>2</sup>	G104 GREENERY AREA = 24.629 m <sup>2</sup>	G01 GREENERY AREA = 1.969	G02 GREENERY AREA = 2.641 m <sup>2</sup>	G03 GREENERY AREA = 0.015 m <sup>2</sup>	G04 GREENERY AREA = 1.863 m <sup>2</sup>	G05 GREENERY AREA = 0.795 m <sup>2</sup>	G06 GREENERY AREA = 2.208 m <sup>2</sup>	G07 GREENERY AREA = 2.283 m <sup>2</sup>	G08 GREENERY AREA = 1.081 m <sup>2</sup>	G09 GREENERY AREA = 1.195 m <sup>2</sup>	G10 GREENERY AREA = 1.991 m <sup>2</sup>	G11 GREENERY AREA = 0.178 m <sup>2</sup>	G12 GREENERY AREA = 1.669 m <sup>2</sup>	G13 GREENERY AREA = 1.815 m <sup>2</sup>	G14 GREENERY AREA = 1.668 m <sup>2</sup>
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Total = 22.209 m<sup>2</sup>

COVERED GREENERY AREA AT GROUND FLOOR (PEDESTRIAN ZONE)

G01 GREENERY AREA = 1.969	G02 GREENERY AREA = 2.641 m <sup>2</sup>	G03 GREENERY AREA = 0.015 m <sup>2</sup>	G04 GREENERY AREA = 1.863 m <sup>2</sup>	G05 GREENERY AREA = 0.795 m <sup>2</sup>	G06 GREENERY AREA = 2.208 m <sup>2</sup>	G07 GREENERY AREA = 2.283 m <sup>2</sup>	G08 GREENERY AREA = 1.081 m <sup>2</sup>	G09 GREENERY AREA = 1.195 m <sup>2</sup>	G10 GREENERY AREA = 1.991 m <sup>2</sup>	G11 GREENERY AREA = 0.178 m <sup>2</sup>	G12 GREENERY AREA = 1.669 m <sup>2</sup>	G13 GREENERY AREA = 1.815 m <sup>2</sup>	G14 GREENERY AREA = 1.668 m <sup>2</sup>
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Total = 22.209 m<sup>2</sup>

TOTAL GREENERY AREA AT GROUND FLOOR (PEDESTRIAN ZONE)

1638.616 m<sup>2</sup> + 22.209 m<sup>2</sup> + 178.722 m<sup>2</sup> = 1839.547 m<sup>2</sup>

GREENERY AREA AT GROUND FLOOR (PEDESTRIAN ZONE)

G151 GREENERY AREA = 4.44 m <sup>2</sup>	G152 GREENERY AREA = 4.56 m <sup>2</sup>	G153 GREENERY AREA = 11.4 m <sup>2</sup>	G154 GREENERY AREA = 4.56 m <sup>2</sup>	G155 GREENERY AREA = 4.56 m <sup>2</sup>	G156 GREENERY AREA = 4.56 m <sup>2</sup>	G157 GREENERY AREA = 11.401 m <sup>2</sup>	G158 GREENERY AREA = 4.56 m <sup>2</sup>	G159 GREENERY AREA = 4.56 m <sup>2</sup>	G160 GREENERY AREA = 4.56 m <sup>2</sup>	G161 GREENERY AREA = 9.856 m <sup>2</sup>	G162 GREENERY AREA = 1.333 m <sup>2</sup>	G163 GREENERY AREA = 1.649 m <sup>2</sup>	G164 GREENERY AREA = 1.333 m <sup>2</sup>	G165 GREENERY AREA = 1.333 m <sup>2</sup>	G166 GREENERY AREA = 1.333 m <sup>2</sup>	G167 GREENERY AREA = 1.333 m <sup>2</sup>	G168 GREENERY AREA = 1.333 m <sup>2</sup>	G169 GREENERY AREA = 1.333 m <sup>2</sup>	G170 GREENERY AREA = 1.333 m <sup>2</sup>	G171 GREENERY AREA = 1.333 m <sup>2</sup>
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Total = 178.722 m<sup>2</sup>

WATER FEATURE AREA (PEDESTRIAN ZONE)

W1 WATER FEATURE AREA = 10.292 m <sup>2</sup>	W2 WATER FEATURE AREA = 11.32 m <sup>2</sup>	W3 WATER FEATURE AREA = 11.32 m <sup>2</sup>	W4 WATER FEATURE AREA = 11.587 m <sup>2</sup>	W5 WATER FEATURE AREA = 11.587 m <sup>2</sup>
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Total = 56.106 m<sup>2</sup> x 50% = 28.053 m<sup>2</sup>

GRASS PAVER AREA (PEDESTRIAN ZONE)

RP1 GRASS PAVER AREA = 1.375 m <sup>2</sup>	RP2 GRASS PAVER AREA = 3.014 m <sup>2</sup>	RP3 GRASS PAVER AREA = 8.737 m <sup>2</sup>	RP4 GRASS PAVER AREA = 9.793 m <sup>2</sup>	RP5 GRASS PAVER AREA = 11.091 m <sup>2</sup>	RP6 GRASS PAVER AREA = 4.594 m <sup>2</sup>	RP7 GRASS PAVER AREA = 1.523 m <sup>2</sup>	RP8 GRASS PAVER AREA = 1.477 m <sup>2</sup>	RP9 GRASS PAVER AREA = 4.585 m <sup>2</sup>	RP10 GRASS PAVER AREA = 8.026 m <sup>2</sup>	RP11 GRASS PAVER AREA = 15.562 m <sup>2</sup>	RP12 GRASS PAVER AREA = 20.035 m <sup>2</sup>	RP13 GRASS PAVER AREA = 1.247 m <sup>2</sup>
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Total = 91.059 m<sup>2</sup> x 50% = 45.530 m<sup>2</sup>

FENCE WALL VERTICAL GREENERY WALL 1 (PEDESTRIAN ZONE)

V01 GREENERY AREA = 17.651 m <sup>2</sup>	V02 GREENERY AREA = 17.651 m <sup>2</sup>	V03 GREENERY AREA = 17.651 m <sup>2</sup>	V04 GREENERY AREA = 17.651 m <sup>2</sup>	V05 GREENERY AREA = 17.651 m <sup>2</sup>	V06 GREENERY AREA = 17.651 m <sup>2</sup>	V07 GREENERY AREA = 14.734 m <sup>2</sup>	V08 GREENERY AREA = 14.734 m <sup>2</sup>	V09 GREENERY AREA = 14.734 m <sup>2</sup>	V10 GREENERY AREA = 14.734 m <sup>2</sup>	V11 GREENERY AREA = 14.734 m <sup>2</sup>
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Total = 178.289 m<sup>2</sup>

FENCE WALL VERTICAL GREENERY WALL 2 (PEDESTRIAN ZONE)

V12 GREENERY AREA = 33.762 m <sup>2</sup>	V13 GREENERY AREA = 37.538 m <sup>2</sup>	V14 GREENERY AREA = 35.663 m <sup>2</sup>	V15 GREENERY AREA = 35.663 m <sup>2</sup>	V16 GREENERY AREA = 35.663 m <sup>2</sup>
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Total = 178.289 m<sup>2</sup>

TOTAL VERTICAL GREENERY WALL (PEDESTRIAN ZONE)

VA GREENERY AREA 5.285 x 6 = 31.710 m <sup>2</sup>	VB GREENERY AREA 5.285 x 6 = 31.710 m <sup>2</sup>	VC GREENERY AREA 4.015 x 5 = 20.075 m <sup>2</sup>	VD GREENERY AREA 6.822 x 5 = 34.110 m <sup>2</sup>	VE GREENERY AREA 6.822 x 5 = 34.110 m <sup>2</sup>	VF GREENERY AREA 4.015 x 5 = 20.075 m <sup>2</sup>	VG GREENERY AREA 4.015 x 5 = 20.075 m <sup>2</sup>	VH GREENERY AREA 4.015 x 5 = 20.075 m <sup>2</sup>	VI GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	VJ GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	VK GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	VL GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	VM GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	VN GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	VO GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	VP GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	VQ GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	VR GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	VS GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	VT GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>	W GREENERY AREA 4.480 x 5 = 22.400 m <sup>2</sup>
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Total = 208.300 m<sup>2</sup>

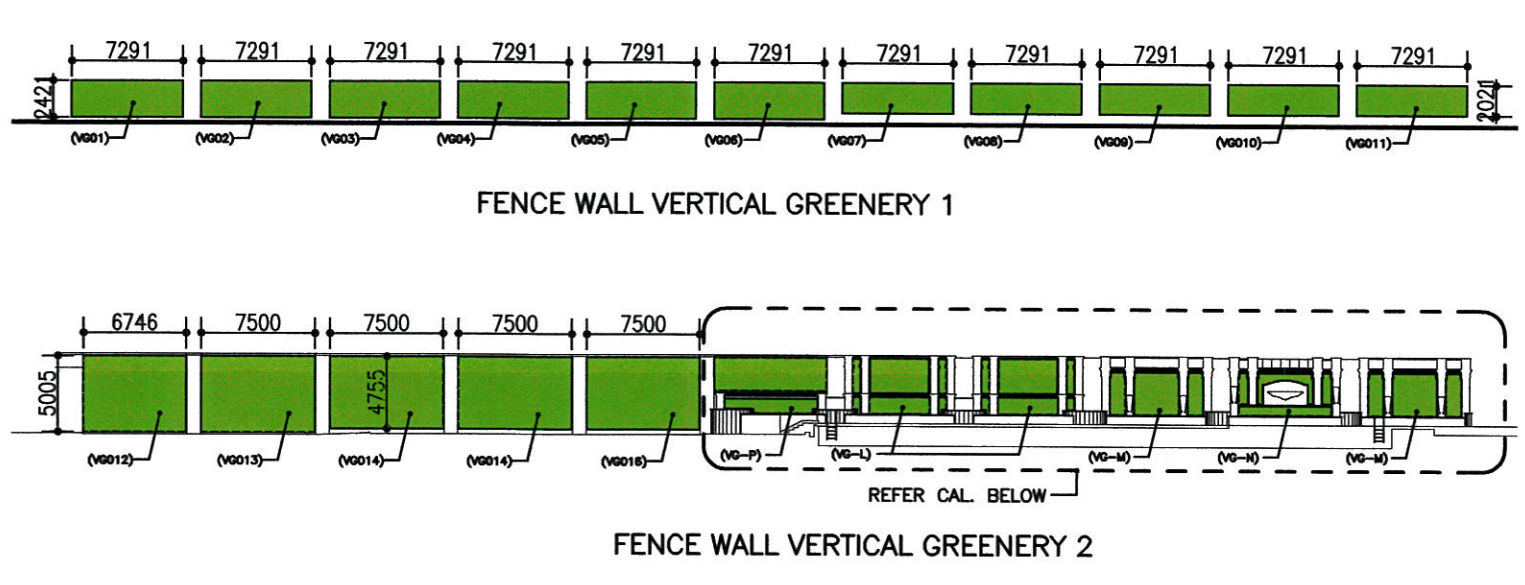
TOTAL VERTICAL GREENERY AREA (PEDESTRIAN ZONE)

179.576 + 208.300 + 178.289 + 130.246 = 696.411 m<sup>2</sup>

GREENING FEATURE (PNAP APP-152 APPENDIX D)

GREENERY FEATURE	LOCATION	AREA	REDUCTOR FACTOR	TOTAL
WATER FEATURE	G/F	56.106	0.500	28.053
GRASS PAVER	G/F	91.059	0.500	45.530
VERTICAL GREENING	G/F	696.411	-	696.411
<b>TOTAL</b>				<b>769.994</b>

MAX. 30% OF THE TOTAL GREENERY  
 AREA = 2583 m<sup>2</sup> x 30% = 774.9 m<sup>2</sup> > 769.994 m<sup>2</sup>



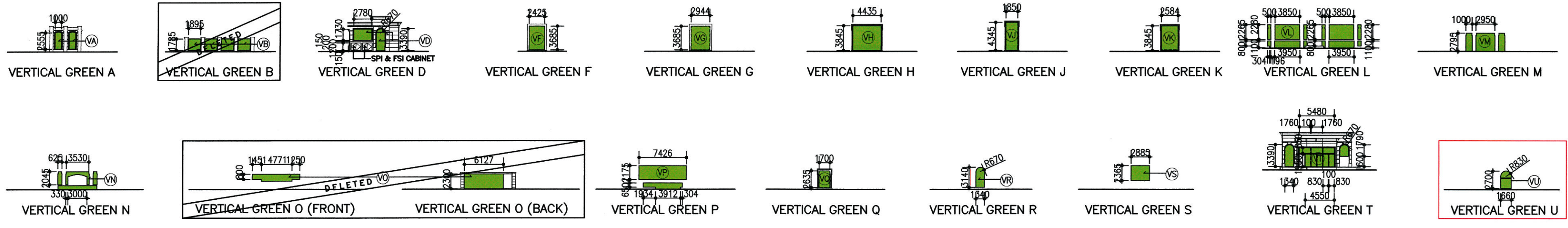
**SITE COVERAGE OF GREENERY CALCULATION**

(REFER TO PNAP APP-152 PARA. 10 TABLE 2)

SITE AREA	REQUIRED MINIMUM SITE COVERAGE OF GREENERY (i.e. PERCENTAGE OF GREENERY AREA OVER SITE AREA)		
	PEDESTRIAN ZONE	OTHER LOCATIONS	TOTAL GREENERY AREAS
1,000 s.m. < 12,915 s.m. < 20,000 s.m.	10% OF SITE AREA (1,291.5 s.m.)	NO LIMIT	20% OF SITE AREA (2,583 s.m.)

SITE AREA	REQUIRED MINIMUM SITE COVERAGE OF GREENERY (i.e. PERCENTAGE OF GREENERY AREA OVER SITE AREA)		
	PEDESTRIAN ZONE	OTHER LOCATIONS	TOTAL GREENERY AREAS
G/F GREENERY AREA (PEDESTRIAN ZONE)	1839.547 s.m.		
BASEMENT FLOOR GREENERY AREA			
G/F WATER FEATURE AREA (PEDESTRIAN ZONE)	56.106 s.m. x 50% = 28.053 s.m.		
G/F GRASS PAVER AREA (PEDESTRIAN ZONE)	91.059 s.m. x 50% = 45.530 s.m.		
VERTICAL GREEN AREA	696.411 s.m.		
<b>TOTAL AREA</b>	<b>2609.541 s.m. &gt; 1291.5 s.m.</b> (10% OF SITE AREA)		<b>= 2609.541 s.m. &gt; 2583 s.m.</b> <b>i.e. MORE THAN 20% (2,583 s.m.)</b> <b>OF THE TOTAL GREENERY AREAS ARE</b> <b>VISIBLE TO PEDESTRIANS OR ACCESSIBLE</b> <b>BY ANY PERSON OR PERSONS ENTERING</b> <b>THE LOT.</b>

NOTE:  
 1. THIS SERVE TO CONFIRM THAT ALL THE PROPOSED GREENERY AREAS ARE UNCOVERED.  
 2. THIS SERVE TO CONFIRM THAT ALL THE GREENERY AREAS ARE DESIGNED AS COMMON AREAS ACCESSIBLE BY ALL OCCUPANTS OF THE BUILDING.  
 3. THIS SERVE TO CONFIRM THAT ALL GREENERY AREAS ARE DESIGNED WITH ADEQUATE DRAINAGE WITH THE PROVISION OF ADEQUATE SOURCE OF WATER SUPPLY TO FACILITATE FUTURE MAINTENANCE.  
 4. THIS SERVE TO CONFIRM THAT ALL THE GREENERY AREAS TO BE MAINTAINED AND KEPT THE LANDSCAPED WORKS IN A SAFE, CLEAN, NEAT, TIDY AND HEALTHY CONDITION ALL TO THE SATISFACTION OF THE DIRECTOR.  
 5. THIS SERVE TO CONFIRM THAT ALL VERTICAL GREENERY CAN BE MAINTAINED FROM GROUND LEVEL OR WITH THE AID OF BUILDING MAINTENANCE UNIT.



Statement II : The works shown on these plans are Type II works (GENERAL BUILDING WORKS) in respect of which the Building Authority's consent is applied for.

**AMENDED PLAN**

B.D. REFERENCE NUMBER:  
 BD 2/9223/12

NOTES  
 DO NOT SCALE DRAWING, FIGURED DIMENSIONS ARE TO BE FOLLOWED.  
 READ THIS DRAWING IN CONNECTION WITH GENERAL ARCHITECTURAL PLANS, STRUCTURAL PLANS, AND OTHER RELATED DRAWINGS. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.  
 COPYRIGHT OF THIS DRAWING RESERVED BY ARCHITECT.

Plan Approved  
 LEUNG Chi-keung  
 Senior Building Surveyor  
 for BUILDING AUTHORITY  
 31 MAY 2016

~~CANCELLED~~  
 LEUNG Chi-keung  
 Senior Building Surveyor  
 for BUILDING AUTHORITY  
 31 MAY 2016

Note: This plan has been processed on a curtailed check basis under the curtailed processing system as promulgated in PNAP ADM-19. The duties of the authorized person, registered structural engineer and/or registered architectural engineer concerned as stipulated under section 4(3)(b) and the provision of section 14(2)(c) of the Buildings Ordinance are of particular relevance in this regard.

NO.	DATE	REVISIONS	BY	CHK	APP	REV
08	04/16	GENERAL REVISION				
07	01/16	GENERAL REVISION				
06	10/15	GENERAL REVISION				
05	03/15	GENERAL REVISION				
04	09/14	GENERAL REVISION				
03	02/14	GENERAL REVISION				
02	11/13	RE-SUBMISSION				
01	08/13	RE-SUBMISSION				
NO.	DATE	REVISIONS	BY	CHK	APP	REV

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TANG Kwok Wah Owen FHKIA RIBA  
 Registered Architect Authorized Person

PROJECT:  
 PROPOSED RESIDENTIAL/  
 COMMERCIAL DEVELOPMENT  
 AT TKOTL 117, AREA 66C2  
 TSEUNG KWAN O, N.T.

TITLE:  
 SUSTAINABLE BUILDING  
 DESIGN ASSESSMENT  
 GREENERY AREA  
 CALCULATION

DATE:	CHECKED:	DESIGNED:	REVIEWED:
(PPL)	(TMM)	(SK)	(OT)
03/2013			
DRAWING NO.	DRAWING NO.	DRAWING NO.	REV. NO.
031360	B/A10/231		(08)