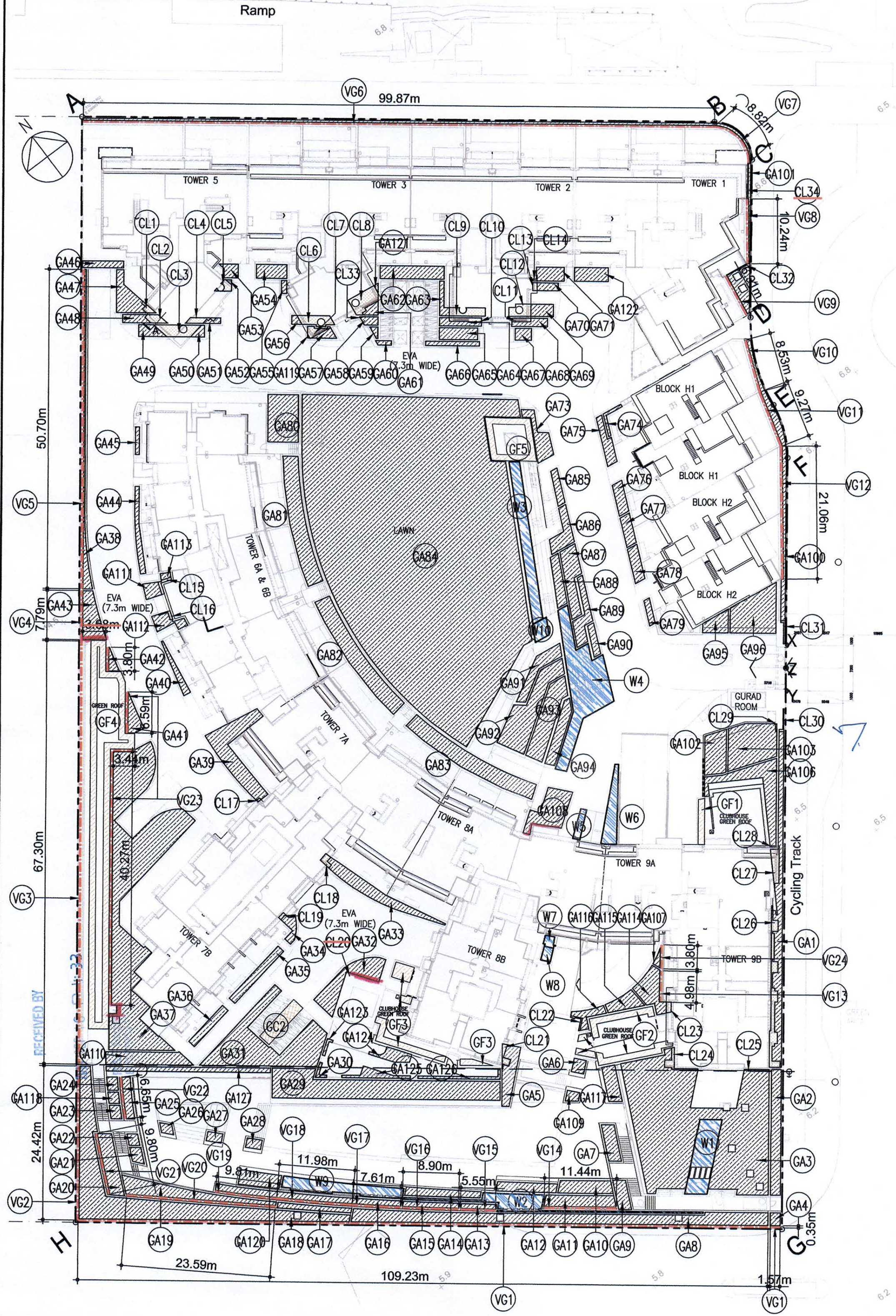


THE CALCULATION OF GREENERY IS BASED ON THE PNAP APP-152 (REVISED IN JAN 2016)

SITE AREA (m ²)	MINIMUM SITE COVERAGE OF GREENERY			
	PRIMARY ZONE		OVERALL	
	REQUIRED (10%)	PROVIDED	REQUIRED (20%)	PROVIDED
1000 < 19400 < 20000	19400 x 10% =1940.000 m ²	2398.557 m ² / 19400 m ² =12.364% > 10%	19400 x 20% =3880.000 m ²	5805.634 m ² / 19400 m ² =29.926% > 20%

Pak Shek Kok Promenade



(a) CALCULATION FOR SITE COVERAGE OF PLANTER (m²)

GA1 = 48.739	GA65 = 11.283
GA2 = 31.066	GA66 = 5.950
GA3 = 333.111	GA67 = 4.861
GA4 = 3.179	GA68 = 5.833
GA5 = 17.902	GA69 = 6.978
GA6 = 4.282	GA70 = 4.139
GA7 = 11.712	GA71 = 9.667
GA8 = 108.946	GA73 = 15.143
GA9 = 9.394	GA74 = 2.729
GA10 = 16.802	GA75 = 10.092
GA11 = 19.943	GA76 = 8.124
GA12 = 13.879	GA77 = 7.818
GA13 = 4.225	GA78 = 8.992
GA14 = 13.742	GA79 = 3.890
GA15 = 7.102	GA80 = 36.013
GA16 = 27.568	GA81 = 50.311
GA17 = 9.121	GA82 = 51.796
GA18 = 153.626	GA83 = 55.508
GA19 = 34.322	GA84 = 1454.296
GA20 = 22.097	GA85 = 6.436
GA21 = 4.306	GA86 = 13.722
GA22 = 3.092	GA87 = 22.455
GA23 = 3.518	GA88 = 12.032
GA24 = 3.501	GA89 = 15.070
GA25 = 8.653	GA90 = 5.386
GA26 = 2.930	GA91 = 16.759
GA27 = 3.602	GA92 = 50.410
GA28 = 3.604	GA93 = 35.337
GA29 = 119.436	GA94 = 16.261
GA30 = 1.536	GA95 = 10.644
GA31 = 95.080	GA96 = 43.879
GA32 = 32.387	GA100 = 26.965
GA33 = 28.466	GA101 = 59.420
GA34 = 5.782	GA102 = 22.302
GA35 = 13.563	GA103 = 47.944
GA36 = 9.308	GA106 = 38.111
GA37 = 250.032	GA107 = 1.697
GA38 = 17.413	GA108 = 28.652
GA39 = 45.561	GA109 = 3.132
GA40 = 6.949	GA110 = 25.551
GA41 = 8.784	GA111 = 5.775
GA42 = 3.257	GA112 = 8.305
GA43 = 20.134	GA113 = 1.497
GA44 = 10.553	GA114 = 20.110
GA45 = 2.774	GA115 = 11.177
GA46 = 7.053	GA116 = 7.707
GA47 = 17.429	GA117 = 11.961
GA48 = 5.176	GA118 = 2.988
GA49 = 6.309	GA119 = 0.100
GA50 = 2.575	GA120 = 14.496
GA51 = 1.752	GA121 = 0.564
GA52 = 0.369	GA122 = 11.828
GA53 = 5.223	GA123 = 1.312
GA54 = 10.649	GA124 = 8.549
GA55 = 1.748	GA125 = 8.184
GA56 = 1.714	GA126 = 5.654
GA57 = 3.420	GA127 = 18.508
GA58 = 3.297	TOTAL = 4094.218
GA59 = 1.396	
GA60 = 1.638	
GA61 = 3.651	
GA62 = 20.798	
GA63 = 4.920	
GA64 = 5.819	

(b) CALCULATION FOR SITE COVERAGE OF WATER FEATURE (m²)

W1 = 36.780 x 50% = 18.390
W2 = 30.706 x 50% = 15.353
W3 = 42.222 x 50% = 21.111
W4 = 88.905 x 50% = 44.453
W5 = 5.077 x 50% = 2.539
W6 = 19.277 x 50% = 9.639
W7 = 2.736 x 50% = 1.368
W8 = 3.324 x 50% = 1.662
W9 = 33.450 x 50% = 16.725
W10 = 6.566 x 50% = 3.283
TOTAL = 134.522

(c) CALCULATION FOR SITE COVERAGE OF GREENERY AT GREEN ROOF (m²)

GF1 = 7.224 x 50% = 3.612
GF2 = 31.213 x 50% = 15.607
GF3 = 29.543 x 50% = 14.772
GF4 = 132.999 x 50% = 66.500
GF5 = 24.179 x 50% = 12.090
TOTAL = 112.579

(d) CALCULATION OF VERTICAL GREENING (m²)

VG1 = 110.80 x 2.80 = 310.240
VG2 = 24.42 x 2.80 = 68.376
VG3 = 67.30 x 2.80 = 188.440
VG4 = 7.79 x 2.80 = 21.812
VG5 = 50.70 x 2.80 = 141.960
VG6 = 99.87 x 1.80 = 179.766
VG7 = 8.82 x 1.80 = 15.876
VG8 = 10.24 x 1.80 = 18.432
VG9 = 6.91 x 1.80 = 12.438
VG10 = 8.53 x 1.80 = 15.354
VG11 = 9.27 x 1.80 = 16.686
VG12 = 21.06 x 1.80 = 37.908
VG13 = 4.98 x 2.4 = 11.952
VG14 = 11.44 x 1.60 = 18.304
VG15 = 5.55 x 0.75 = 4.163
VG16 = 8.90 x 1.60 = 14.240
VG17 = 7.61 x 1.95 = 14.840
VG18 = 11.98 x 1.95 = 23.361
VG19 = 9.81 x 1.10 = 10.791
VG20 = 23.59 x 1.60 = 37.744
VG21 = 9.80 x 1.60 = 15.680
VG22 = 6.65 x 1.60 = 10.640
VG23 = 209.252
VG24 = 3.80 x 2.4 = 9.120
TOTAL = 1407.374

(e) CALCULATION FOR SITE COVERAGE OF GRASS PAVING (m²)

GC2 = 15.862 x 50% = 7.931
TOTAL = 7.931

PERCENTAGE OF GREENING FEATURES :

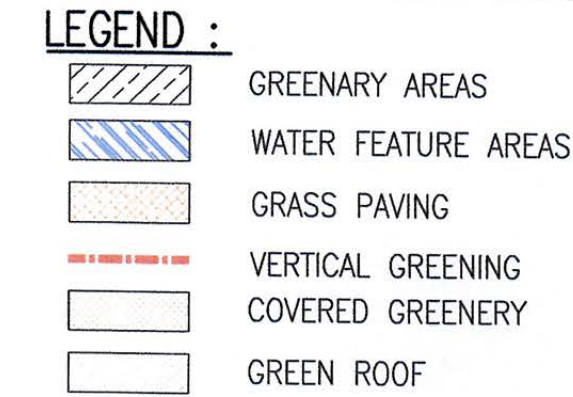
(a) WATER FEATURE	(b) ROOF FEATURE	(c) VERTICAL GREENING	(d) GRASS PAVING	(e) COVERED GREENERY	(f) TOTAL
134.522	112.579	1407.374	7.931	49.0100	1711.416
GREEN FEATURE / TOTAL GREENERY AREA * 100					1711.416 / 5805.8085 * 100 = 29.478%

TOTAL GREENERY AREA :

(a) PLANTER	(b) WATER FEATURE	(c) ROOF FEATURE	(d) VERTICAL GREENING	(e) GRASS PAVING	(f) COVERED GREENERY	TOTAL
4094.218	134.522	112.579	1407.374	7.931	49.0100	5805.634 m ²
(29.92%)						

THE SUMMATION OF THE ABOVE GREENING FEATURES ARE NOT MORE THAN 30% OF THE TOTAL GREENERY AREAS.

NOTE : IRRIGATION TO BE PROVIDED AT GREENERY AREAS



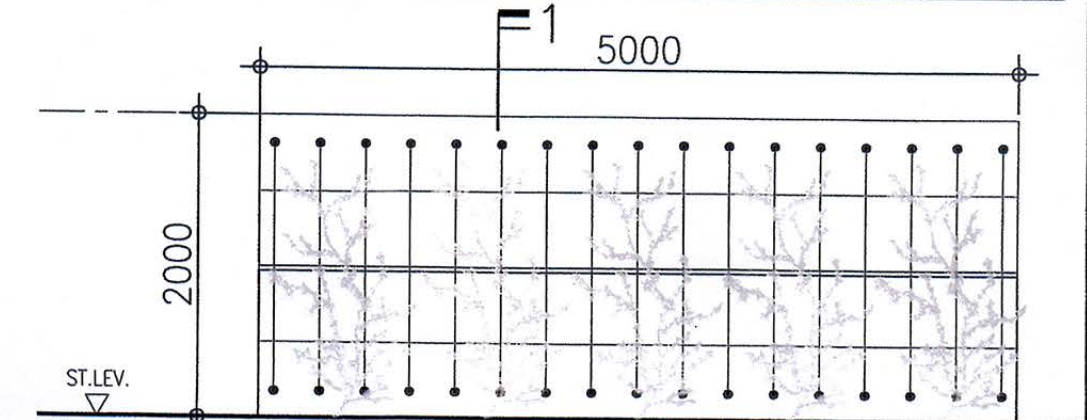
CALCULATION FOR SITE COVERAGE OF GREENERY AT PRIMARY ZONE (m²)

GA1 = 48.739	GA69 = 6.978
GA2 = 31.066	GA70 = 4.139
GA3 = 333.111	GA71 = 9.667
GA4 = 47.053	GA73 = 15.143
GA7 = 17.429	GA74 = 2.729
GA8 = 5.176	GA75 = 10.092
GA9 = 6.309	GA76 = 8.124
GA50 = 2.575	GA77 = 7.818
GA51 = 1.752	GA78 = 8.992
GA52 = 0.369	GA79 = 3.890
GA53 = 5.223	GA84 = 1454.960
GA54 = 10.649	GA85 = 6.436
GA55 = 1.748	GA86 = 13.722
GA56 = 1.714	GA87 = 22.455
GA57 = 3.420	GA88 = 15.070
GA58 = 3.297	GA89 = 5.386
GA59 = 1.396	GA90 = 16.759
GA60 = 1.638	GA91 = 50.410
GA61 = 3.651	GA92 = 35.330
GA62 = 20.798	GA94 = 16.261
GA63 = 4.920	GA100 = 26.965
GA64 = 5.819	GA101 = 59.420
GA65 = 11.283	GA102 = 22.302
GA66 = 5.950	GA103 = 47.944
GA67 = 4.861	GA106 = 38.111
GA68 = 5.833	GA107 = 1.697

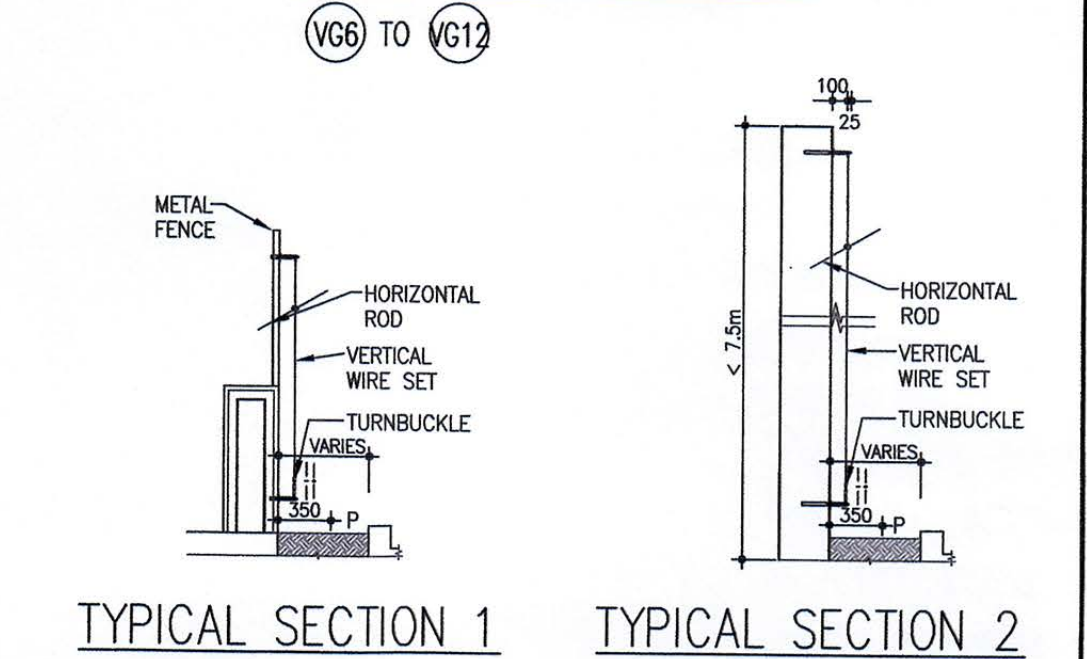
(f) COVERED GREENERY (m²)

CL1 = 1.663 x 50% = 0.832	CL17 = 0.214 x 50% = 0.107
CL2 = 3.259 x 50% = 1.630	CL18 = 1.911 x 50% = 0.955
CL3 = 9.438 x 50% = 4.719	CL19 = 0.548 x 50% = 0.274
CL4 = 2.972 x 50% = 1.486	CL20 = 1.255 x 50% = 0.627
CL5 = 2.105 x 50% = 1.053	CL21 = 2.361 x 50% = 1.181
CL6 = 6.797 x 50% = 3.399	CL22 = 0.792 x 50% = 0.396
CL7 = 3.376 x 50% = 1.688	CL23 = 1.305 x 50% = 0.652
CL8 = 10.786 x 50% = 5.393	CL24 = 3.564 x 50% = 1.782
CL9 = 6.519 x 50% = 3.260	CL25 = 0.789 x 50% = 0.395
CL10 = 2.959 x 50% = 1.480	CL26 = 17.075 x 50% = 8.538
CL11 = 1.725 x 50% = 0.863	CL27 = 5.961 x 50% = 2.981
CL12 = 5.191 x 50% = 2.596	CL28 = 0.176 x 50% = 0.088
CL13 = 0.855 x 50% = 0.428	CL29 = 0.238 x 50% = 0.119
CL14 = 0.268 x 50% = 0.134	CL30 = 0.689 x 50% = 0.345
CL15 = 1.605 x 50% = 0.802	CL31 = 0.976 x 50% = 0.488
CL16 = 0.823 x 50% = 0.412	CL32 = 0.250 x 50% = 0.125
	CL33 = 0.059 x 50% = 0.030
	CL34 = 0.771 x 50% = 0.386
	TOTAL = 49.010

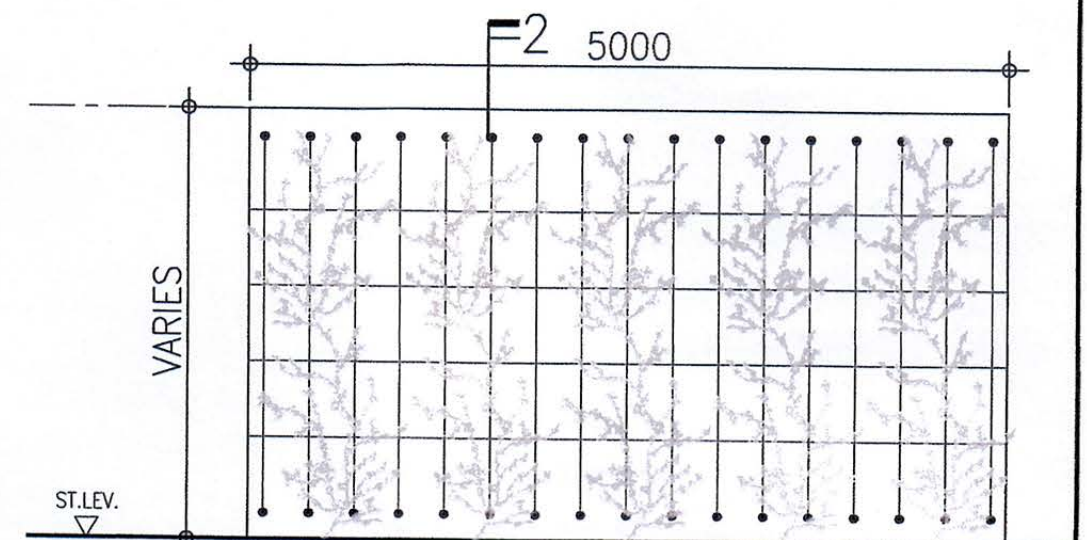
CALCULATION FOR VERTICAL GREENING



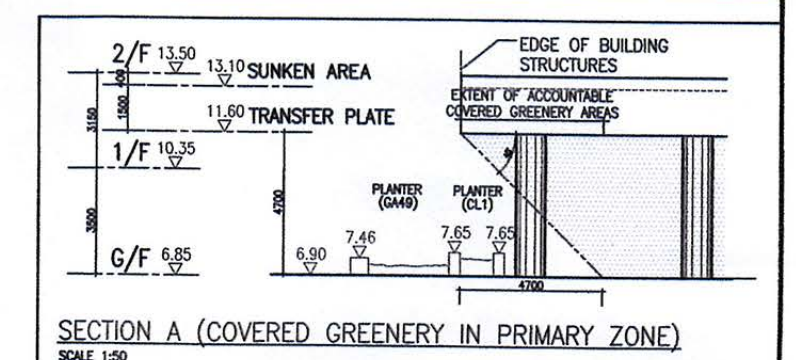
ELEVATION OF VERTICAL GREENING ON METAL FENCE WALL (VG6 TO VG12)



TYPICAL SECTION 1 TYPICAL SECTION 2



ELEVATION OF VERTICAL GREENING ON SOLID WALL (VG1 TO VG5 & VG13 TO VG24)



SECTION A (COVERED GREENERY IN PRIMARY ZONE) SCALE 1:50

Plan Approved
TSANG Po-king, Aileen
Senior Building Surveyor
for BUILDING AUTHORITY
16 OCT 2018

I hereby certify this drawing is a true copy of set 1.

KENNETH T.H. CHAU R.I.B.A. F.R.I.A.
AUTHORIZED PERSON-ARCHITECT
AP(A) 43/78, OCT 16, 2018

KENNETH T.H. CHAU R.I.B.A. F.R.I.A.
AUTHORIZED PERSON-ARCHITECT

B.D. SUBMISSION
AMENDMENT
18 SEP 2018

STATEMENT II: The Works shown on these plans are Type II works (Name of works: Building) in respect of which the Building Authority's comment is applied for. Note: First consent dated: August 24, 2017

C Y S Associates (H K) Ltd.
Architects & Urban Designers.
30TH FLOOR • HONG KONG PLAZA • 186 CONNAUGHT ROAD WEST • HONG KONG
TEL: 2858 0603 • FAX: 2858 0683 2858 9366 • E-MAIL: cys@cysarch.com.hk

PROJECT
PROPOSED RESIDENTIAL DEVELOPMENT
AT TAI PO TOWN LOT NO. 214,
FO YIN ROAD, PAK SHEK KOK, TAI PO, N.T.

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NO.	DATE	REVISION	APP.	NO.	DATE	REVISION	APP.	NO.	DATE	REVISION	APP.	NO.	DATE	REVISION	APP.
A	2015-07-21	B.D. SUBMISSION	THK	F	2017-02-15	B.D. SUBMISSION	THK	DESIGNED	PC		THK	DESIGNED	PC		THK
B	2015-10-18	B.D. SUBMISSION	THK	G	2017-09-14	B.D. SUBMISSION	THK	APPROVED	CT/HT		THK	CHECKED	CT/HT		THK
C	2016-03-18	B.D. SUBMISSION	THK	H	2018-02-28	B.D. SUBMISSION	THK	DATE	SCALE		THK	DATE	SCALE		THK
D	2016-04-29	B.D. SUBMISSION	THK	I	2018-06-22	B.D. SUBMISSION	THK	1:500			THK	2015-02			THK
E	2016-08-10	B.D. SUBMISSION	THK	J	2018-09-18	B.D. SUBMISSION	THK				THK				THK

DRAWING TITLE:
SUSTAINABLE BUILDING DESIGN
CALCULATION (SHEET 3)

PROJECT NO :
14-499
REV. :
J
DRAWING NO : A-101
CAD REF : 499-CAL-SBD

CYS

V:\CYS\CAD\14-499\BDA\2018-11\499-CAL-SBD.DWG