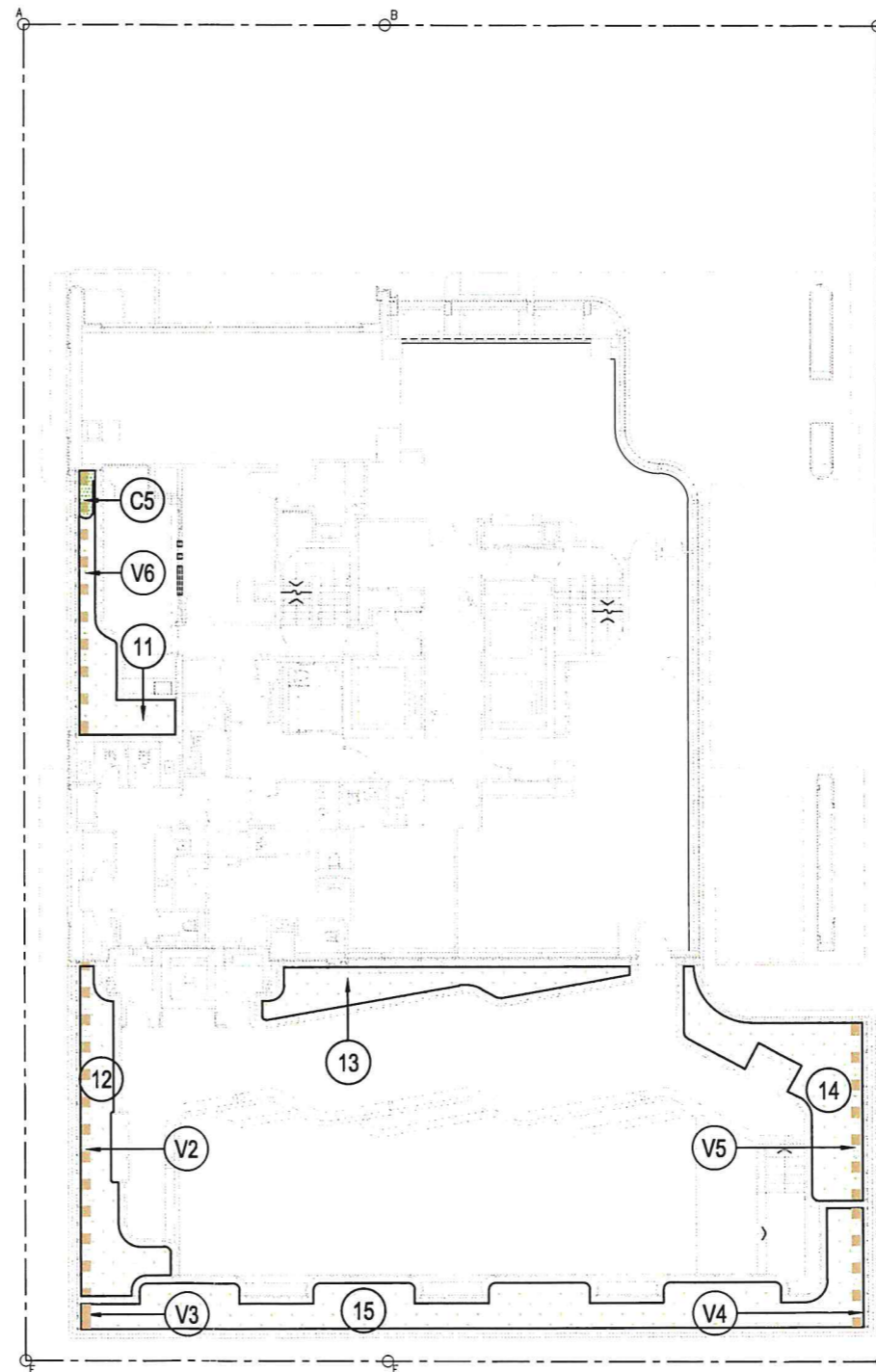


G/F AREA DIAGRAM
SCALE 1:250



1/F AREA DIAGRAM
SCALE 1:250

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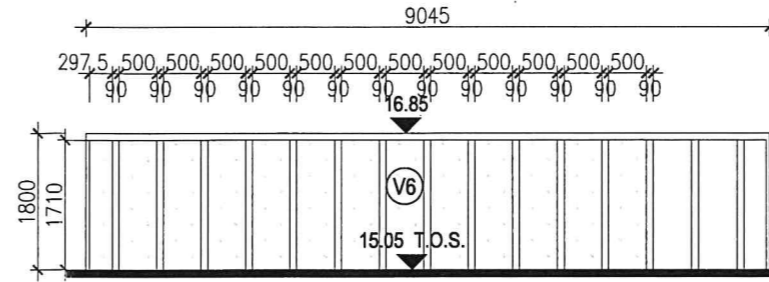
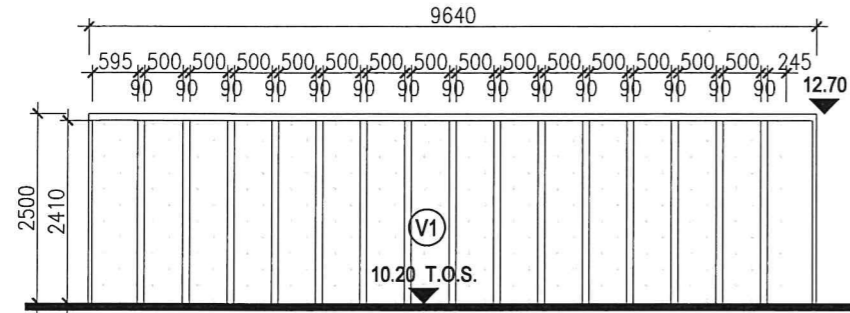
Project
**PROPOSED RESIDENTIAL DEVELOPMENT
AT K.I.L. 11230,
NO. 233 PRINCE EDWARD ROAD WEST,
KOWLOON**

Drawing Title
**SUSTAINABLE BUILDING DESIGN SCHEDULE
OF GREENERY AREA CALCULATION**

Job No.	Drawing No.	Revision No.
3891	SK-01	-
Scale	Date	CAD Ref.
A.S. (A3)	2019 SEPT	
Drawn	Checked	Approved
JL	AC	PN

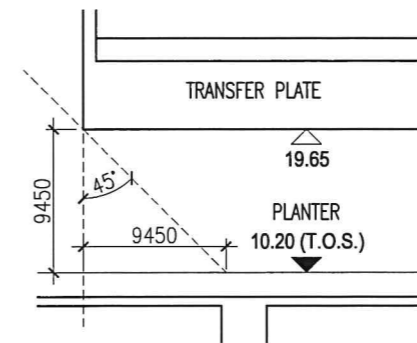
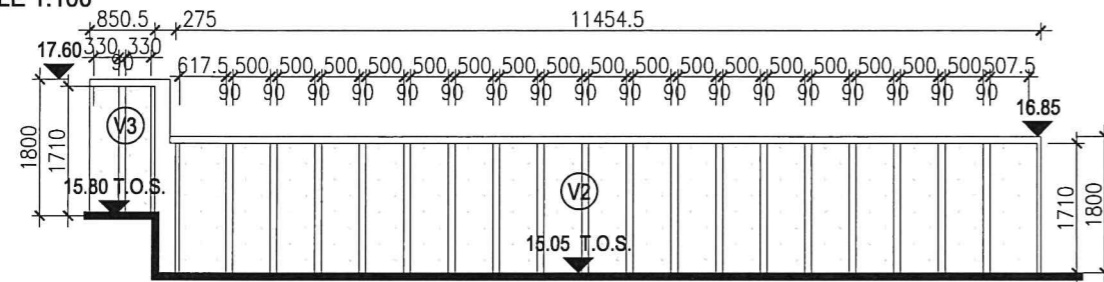
**LWK
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九龍尖沙咀海港城環球金融中心北座15樓



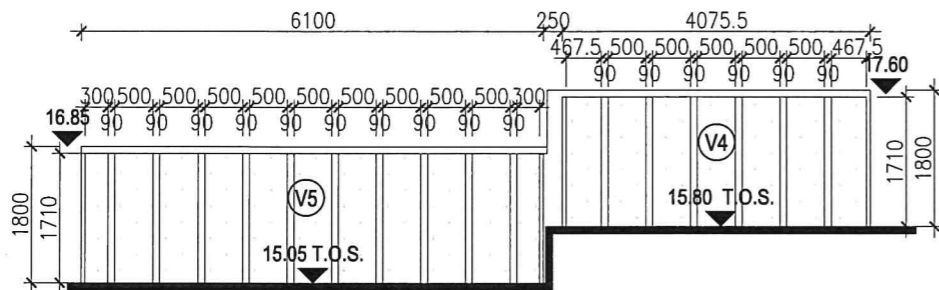
DIAGRAMMATIC ELEVATION FOR VERTICAL GREENING AREA (WIRED TYPE)

SCALE 1:100



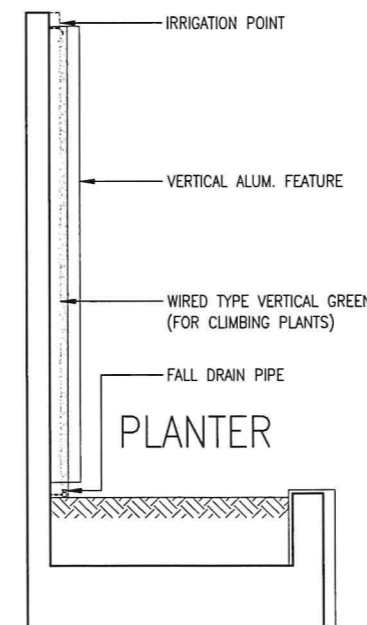
TYPICAL SECTION FOR COVERED GREENERY AREA

SCALE 1:50



DIAGRAMMATIC ELEVATION FOR VERTICAL GREENING AREA (WIRED TYPE)

SCALE 1:100



TYPICAL SECTION FOR WIRED TYPE VERTICAL GREEN (FOR CLIMBING PLANTS)

SCALE 1:50

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Client
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Project
PROPOSED RESIDENTIAL DEVELOPMENT AT K.I.L. 11230, NO. 233 PRINCE EDWARD ROAD WEST, KOWLOON

Drawing Title
SUSTAINABLE BUILDING DESIGN SCHEDULE OF GREENERY AREA CALCULATION

Job No.	Drawing No.	Revision No.
3891	SK-02	-
Scale	Date	CAD Ref.
A.S. (A3)	2019 SEPT	
Drawn	Checked	Approved
JL	AC	PN

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PLANTING AREA AT PRIMARY ZONE:

1 =	1.729 s.m.
2 =	1.063 s.m.
3 =	7.673 s.m.
4 =	14.344 s.m.
5 =	21.728 s.m.
5A =	4.703 s.m.
6 =	8.915 s.m.
7 =	2.020 s.m.
8 =	7.935 s.m.
9 =	12.723 s.m.
9A =	0.279 s.m.
10 =	6.189 s.m.
11 =	9.030 s.m.
12 =	14.811 s.m.
13 =	11.656 s.m.
14 =	17.350 s.m.
15 =	36.829 s.m.
16 =	10.792 s.m.

TOTAL = 189.769 s.m.

COVERED PLANTING AREA AT PRIMARY ZONE:

C1 =	7.76 s.m.
C2 =	13.505 s.m.
C3 =	2.944 s.m.
C4 =	3.851 s.m.
C5 =	0.804 s.m.
C6 =	5.341 s.m.

SUB TOTAL = 34.205 s.m.

REDUCTION FACTOR : 50%

TOTAL = 17.103 s.m.

VERTICAL GREENERY AREA AT PRIMARY ZONE:

V1 =	0.595(W.) x 2.410(H.) x 1 + 0.500(W.) x 2.410(H.) x 14	
	+ 0.245(W.) x 2.410(H.) x 1	= 18.894 s.m.
V2 =	0.618(W.) x 1.710(H.) x 1 + 0.500(W.) x 1.710(H.) x 17	
	+ 0.508(W.) x 1.710(H.) x 1	= 16.460 s.m.
V3 =	0.330(W.) x 1.710(H.) x 2	= 1.129 s.m.
V4 =	0.468(W.) x 1.710(H.) x 2 + 0.500(W.) x 1.710(H.) x 5	= 5.876 s.m.
V5 =	0.300(W.) x 1.710(H.) x 2 + 0.500(W.) x 1.710(H.) x 9	= 8.721 s.m.
V6 =	0.298(W.) x 1.710(H.) x 1 + 0.500(W.) x 1.710(H.) x 12	= 10.770 s.m.

SUB TOTAL = 61.850 s.m.

SITE COVERAGE OF GREENERY CALCULATION:

GREENERY AREA CALCULATION

SITE AREA	=	1340.100 s.m.	<	20000 s.m.
MINIMUM OVERALL SITE COVERAGE OF GREENERY	=	20% (1340.100 x 20% = 268.020)		
MINIMUM GREENERY AREA AT PRIMARY ZONE	=	10% (1340.100 x 10% = 134.001)		
MAXIMUM GREENING FEATURES AREA	=	30% OF TOTAL REQUIRED GREENERY AREA (268.020 x 30% = 80.406)		

GREENING FEATURES :

ACTUAL SITE COVERAGE OF GREENING FEATURES	=	$\frac{17.103 + 61.850}{\text{TOTAL REQUIRED GREENERY AREA}}$	x 100%
	=	$\frac{78.952}{268.020}$	x 100%
	=	29.458 %	< 30% MAX. OF THE TOTAL REQUIRED GREENERY AREA

COVERAGE OF GREENERY ON PRIMARY ZONE:

ACTUAL SITE COVERAGE OF GREENERY	=	$\frac{189.769 + 78.952}{\text{SITE AREA}}$	x 100%
	=	$\frac{268.721}{1340.100}$	x 100%
	=	20.052 %	> 10% (REQUIRED COVERAGE ON PRIMARY ZONE)

SITE COVERAGE OF GREENERY :

ACTUAL SITE COVERAGE OF GREENERY	=	$\frac{189.769 + 78.952}{\text{SITE AREA}}$	x 100%
	=	$\frac{268.721}{1340.100}$	x 100%
	=	20.052 %	> 20% (REQUIRED TOTAL SITE COVERAGE OF GREENERY)

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Project
PROPOSED RESIDENTIAL DEVELOPMENT AT K.I.L. 11230, NO. 233 PRINCE EDWARD ROAD WEST, KOWLOON

Drawing Title
SUSTAINABLE BUILDING DESIGN SCHEDULE OF GREENERY AREA CALCULATION

Job No.	Drawing No.	Revision No.
3891	SK-03	-
Scale	Date	CAD Ref.
A.S. (A3)	2019 SEPT	
Drawn	Checked	Approved
JL	AC	PN

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