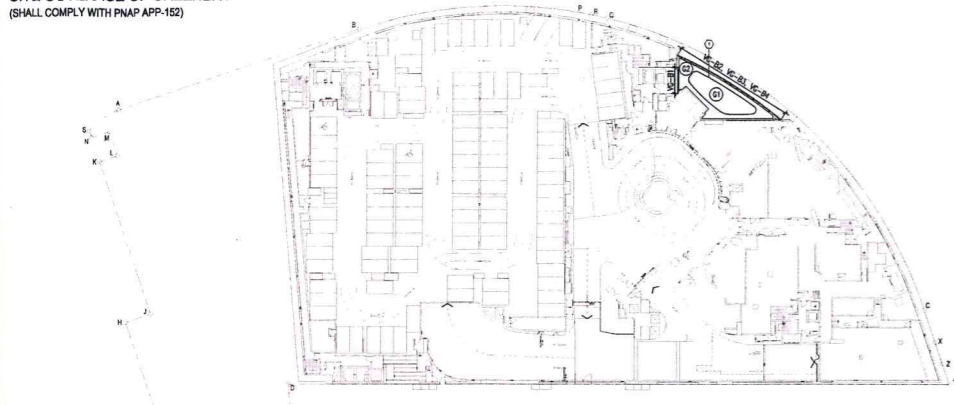


SUSTAINABLE BUILDING DESIGN DEMONSTRATION
SITE COVERAGE OF GREENERY
 (SHALL COMPLY WITH PNAP APP-152)



SITE COVERAGE OF GREENERY CALCULATION AT B1 FLOOR

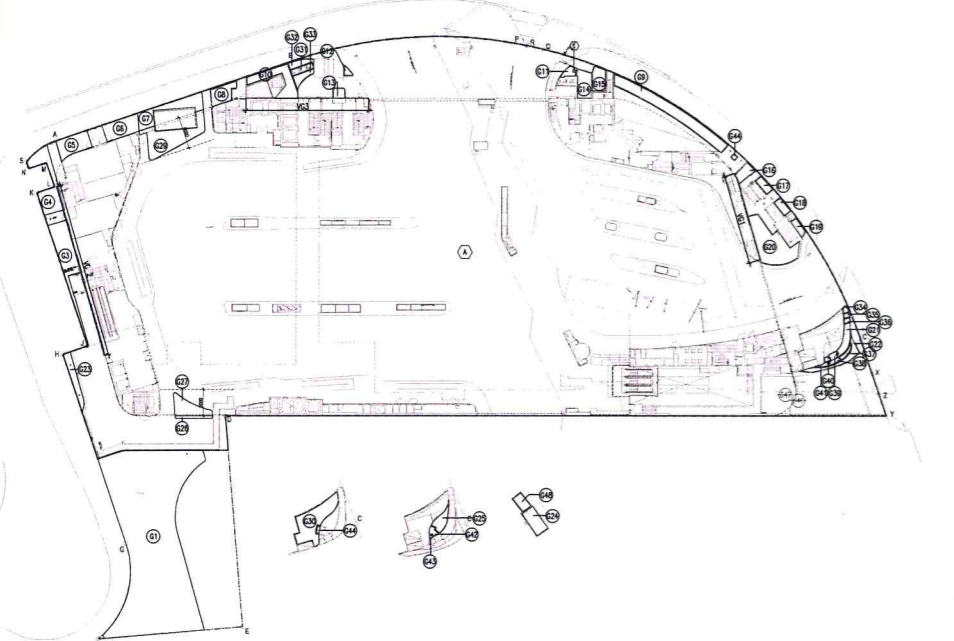
FOR PRIMARY ZONE:

G2 = 92.676 s.m.
SUB-TOTAL = 92.676 s.m.
DEDUCT 1 = 48.544 s.m.
SUB-TOTAL = 44.132 s.m.
TOTAL GREENERY ON GRADE = 44.132 s.m.

FOR WATER FEATURE (WFI) AREA:

G1 = 46.799 s.m. x 0.5 = 23.399 s.m.
SUB-TOTAL = 23.399 s.m.
TOTAL GREEN FEATURES AT B1F = 23.399 s.m.

SITE COVERAGE OF GREENERY DIAGRAM AT B1 FLOOR



SITE AREA STAGE 2: (FINAL STAGE)
 LEASE AREA = 10026 s.m. < 20000 s.m.

SITE AREA STAGE 1:
 A = 9257.154 s.m. < 20000 s.m.

SITE COVERAGE OF GREENERY CALCULATION AT GROUND FLOOR

FOR PRIMARY ZONE:

G1 = 444.309 s.m.	G32 = 4.747 s.m.	G53 = 48.411 s.m.	G72 = 4.747 s.m.
G3 = 40.411 s.m.	G33 = 5.163 s.m.	G4 = 20.491 s.m.	G33 = 5.163 s.m.
G4 = 32.858 s.m.	G34 = 0.827 s.m.	G5 = 21.498 s.m.	G34 = 0.827 s.m.
G5 = 21.498 s.m.	G35 = 0.801 s.m.	G6 = 22.229 s.m.	G35 = 0.801 s.m.
G6 = 22.229 s.m.	G36 = 0.825 s.m.	G7 = 28.775 s.m.	G36 = 0.825 s.m.
G7 = 28.775 s.m.	G37 = 1.581 s.m.	G8 = 13.453 s.m.	G37 = 1.581 s.m.
G8 = 13.453 s.m.	G40 = 0.863 s.m.	G9 = 48.797 s.m.	G40 = 0.863 s.m.
G9 = 48.797 s.m.	G41 = 0.862 s.m.	G10 = 22.861 s.m.	G41 = 0.862 s.m.
G10 = 22.861 s.m.	G43 = 0.266 s.m.	G11 = 3.975 s.m.	G43 = 0.266 s.m.
G11 = 3.975 s.m.	G44 = 0.765 s.m.	G12 = 1.789 s.m.	G44 = 0.765 s.m.
G12 = 1.789 s.m.	G46 = 0.266 s.m.	G13 = 3.683 s.m.	G46 = 0.266 s.m.
G13 = 3.683 s.m.	G48 = 5.731 s.m.	G14 = 13.265 s.m.	G48 = 5.731 s.m.
G14 = 13.265 s.m.		G15 = 10.265 s.m.	
G15 = 10.265 s.m.		G16 = 8.882 s.m.	
G16 = 8.882 s.m.		G17 = 4.473 s.m.	
G17 = 4.473 s.m.		G18 = 3.962 s.m.	
G18 = 3.962 s.m.		G19 = 46.492 s.m.	
G19 = 46.492 s.m.		G20 = 3.278 s.m.	
G20 = 3.278 s.m.		G21 = 8.896 s.m.	
G21 = 8.896 s.m.		G22 = 12.874 s.m.	
G22 = 12.874 s.m.		G23 = 12.874 s.m.	
G23 = 12.874 s.m.		G24 = 12.874 s.m.	
G24 = 12.874 s.m.		G25 = 7.471 s.m.	
G25 = 7.471 s.m.		G26 = 3.504 s.m.	
G26 = 3.504 s.m.		G27 = 30.230 s.m.	
G27 = 30.230 s.m.		G28 = 4.739 s.m.	
G28 = 4.739 s.m.			

SUB-TOTAL = 926.074 s.m.
 DEDUCT 1 = 0.203 s.m.
 SUB-TOTAL = 0.203 s.m.
 TOTAL GREENERY ON GRADE = 926.871 s.m.

FOR COVERED GREENERY (CGI) AREA:

G27 = 17.871 s.m.	G29 = 42.769 s.m.	G49 = 64.846 s.m.
SUB-TOTAL = 105.486 s.m.		
SUB-TOTAL = 30.170 s.m.		

FOR WATER FEATURE (WFI) AREA:

G38 = 1.427 s.m.	G44 = 0.654 s.m.
G39 = 1.781 s.m.	G42 = 1.952 s.m.
SUB-TOTAL = 5.784 s.m.	
SUB-TOTAL = 2.817 s.m.	
TOTAL GREEN FEATURES AT GF = 33.067 s.m.	

SITE COVERAGE OF GREENERY DIAGRAM AT GROUND FLOOR

GREENERY AREA CALCULATION
 (SHALL BE COMPLIED WITH APP-152)

SITE AREA = 10026 s.m. < 20000 s.m.
 REQUIRED COVERAGE ON PRIMARY ZONE = 10% (UNDER APP-152)
 REQUIRED TOTAL SITE COVERAGE OF GREENERY = 30% (UNDER APP-152)

MAXIMUM ACCOUNTABLE SITE COVERAGE OF GREENERY OF OTHER GREENING FEATURES
 (SHALL BE COMPLIED WITH APP-152 - APPENDIX D)

MAXIMUM ACCOUNTABLE SITE COVERAGE OF GREENERY OF OTHER GREENING FEATURES (VERTICAL GREENING & WATER FEATURES):
 = SITE AREA x 10% x 30%
 = 10026 x 10% x 30%
 = 3007.80 s.m.

PROVIDED SITE COVERAGE OF GREENERY OF OTHER GREENING FEATURES (COVERED GREENERY, WATER FEATURES & VERTICAL GREENING):
 = B1F WF AREA + (GF CG AREA + GF WF AREA) + GF VG AREA + B1F VG AREA
 = 33.398 + 33.067 + 92.690 + 108.269
 = 267.324 s.m.

GREENERY AREA CALCULATION (STAGE 1)
 (SHALL BE COMPLIED WITH APP-152)

SITE AREA (PHASE 1) A = 9257.154 s.m. < 20000 s.m.
 REQUIRED COVERAGE ON PRIMARY ZONE = 10% (UNDER APP-152)
 REQUIRED TOTAL SITE COVERAGE OF GREENERY = 20% (UNDER APP-152)

MAXIMUM ACCOUNTABLE SITE COVERAGE OF GREENERY OF OTHER GREENING FEATURES
 (SHALL BE COMPLIED WITH APP-152 - APPENDIX D)

MAXIMUM ACCOUNTABLE SITE COVERAGE OF GREENERY OF OTHER GREENING FEATURES (VERTICAL GREENING & WATER FEATURES):
 = SITE AREA (PHASE 1) x 20% x 30%
 = 9257.154 x 20% x 30%
 = 555.429 s.m.

PROVIDED SITE COVERAGE OF GREENERY OF OTHER GREENING FEATURES (COVERED GREENERY, WATER FEATURES & VERTICAL GREENING):
 = B1F WF AREA + (GF CG AREA + GF WF AREA) + GF VG AREA + B1F VG-B AREA
 = 33.398 + 33.067 + 340.885 + 108.269
 = 505.719 s.m.

COVERAGE OF GREENERY ON PRIMARY ZONE:
 (SHALL BE COMPLIED WITH APP-152)

ACTUAL SITE COVERAGE OF GREENERY = $\frac{44.132 + 904.871 + 257.334}{10026} \times 100\% = 33.032\%$
 $33.032\% > 10\%$ (REQUIRED COVERAGE ON PRIMARY ZONE)

COVERAGE OF GREENERY ON PRIMARY ZONE:
 (SHALL BE COMPLIED WITH APP-152)

ACTUAL SITE COVERAGE OF GREENERY = $\frac{44.132 + 440.562 + 505.719}{9257.154} \times 100\% = 10.889\%$
 $10.889\% > 10\%$ (REQUIRED COVERAGE ON PRIMARY ZONE)

SITE COVERAGE OF GREENERY:
 (SHALL BE COMPLIED WITH APP-152)

ACTUAL SITE COVERAGE OF GREENERY = $\frac{44.132 + 904.871 + 257.334 + 41.022 + 253.153 + 96.183 + 483.326}{10026} \times 100\% = 57.687\%$
 $57.687\% > 50\%$ (50% OF THE PRIMARY ZONE 20%)

SITE COVERAGE OF GREENERY:
 (SHALL BE COMPLIED WITH APP-152)

ACTUAL SITE COVERAGE OF GREENERY = $\frac{44.132 + 440.562 + 505.719 + 41.022 + 253.153 + 96.183 + 483.326}{9257.154} \times 100\% = 53.132\%$
 $53.132\% > 50\%$ (50% OF THE PRIMARY ZONE 20%)

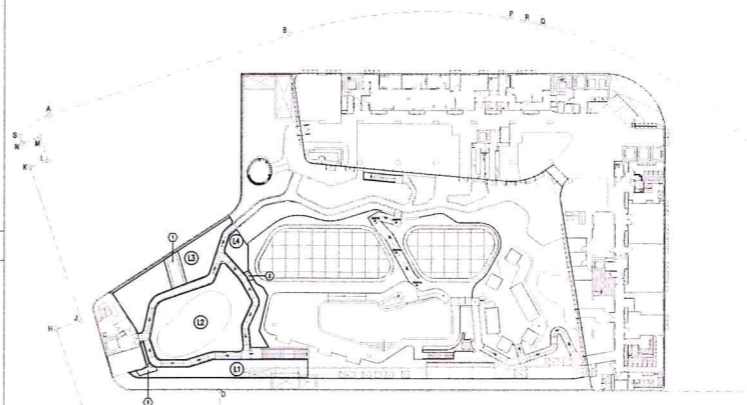
SITE COVERAGE OF GREENERY CALCULATION AT LEVEL 9 FLOOR

FOR OTHER GREENERY:

L1 = 84.543 s.m.	L2 = 226.144 s.m.	L3 = 138.322 s.m.	L4 = 48.248 s.m.
SUB-TOTAL = 597.257 s.m.			
DEDUCT 1 = 17.974 s.m.	2 = 1.727 s.m.	3 = 4.230 s.m.	
SUB-TOTAL = 23.931 s.m.			
TOTAL GREENERY ON GRADE = 483.326 s.m.			

FOR OTHER GREENERY (STAGE 1):

L1 = 84.543 s.m.	L2 = 226.144 s.m.	L3 = 138.322 s.m.	L4 = 48.248 s.m.
SUB-TOTAL = 507.257 s.m.			
DEDUCT 1 = 17.974 s.m.	2 = 1.727 s.m.	3 = 4.230 s.m.	
SUB-TOTAL = 23.931 s.m.			
TOTAL GREENERY ON GRADE = 483.326 s.m.			

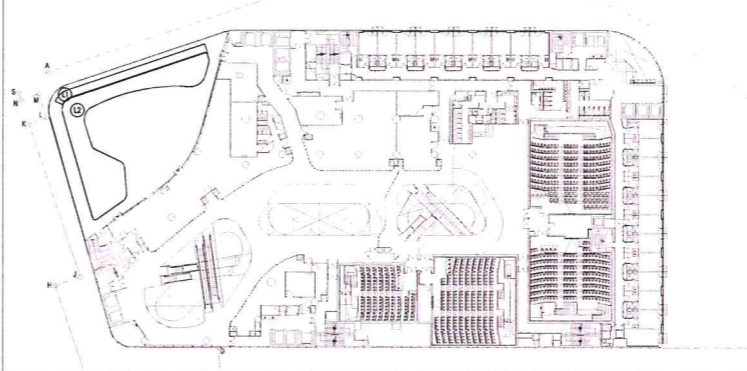


SITE COVERAGE OF GREENERY DIAGRAM AT LEVEL 9 FLOOR

SITE COVERAGE OF GREENERY CALCULATION AT LEVEL 6 FLOOR

FOR OTHER GREENERY:

L1 = 44.813 s.m.	L2 = 308.388 s.m.
TOTAL GREENERY COVERAGE = 253.153 s.m.	

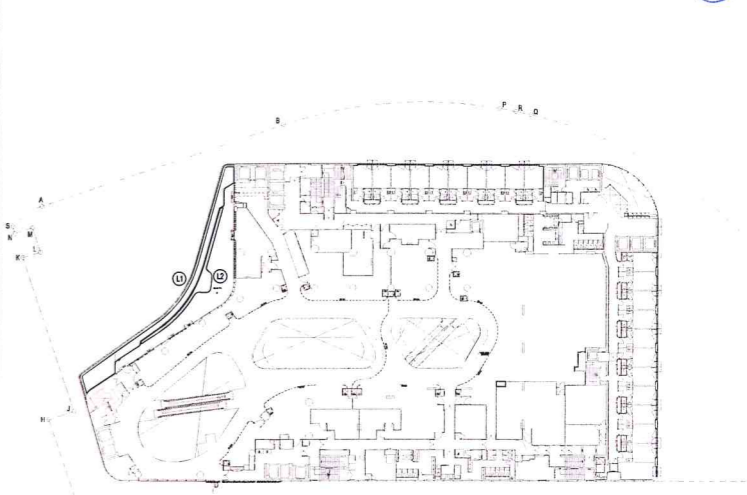


SITE COVERAGE OF GREENERY DIAGRAM AT LEVEL 6 FLOOR

SITE COVERAGE OF GREENERY CALCULATION AT LEVEL 8 FLOOR

FOR OTHER GREENERY:

L1 = 73.348 s.m.	L2 = 22.839 s.m.
TOTAL GREENERY COVERAGE = 96.183 s.m.	

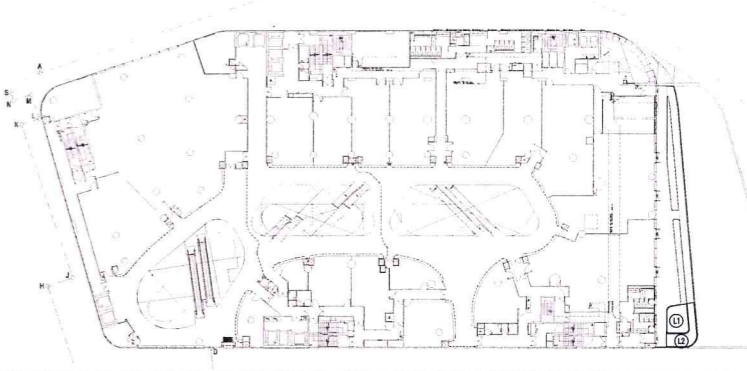


SITE COVERAGE OF GREENERY DIAGRAM AT LEVEL 7 (RETAIL) FLOOR

SITE COVERAGE OF GREENERY CALCULATION AT LEVEL 6 FLOOR

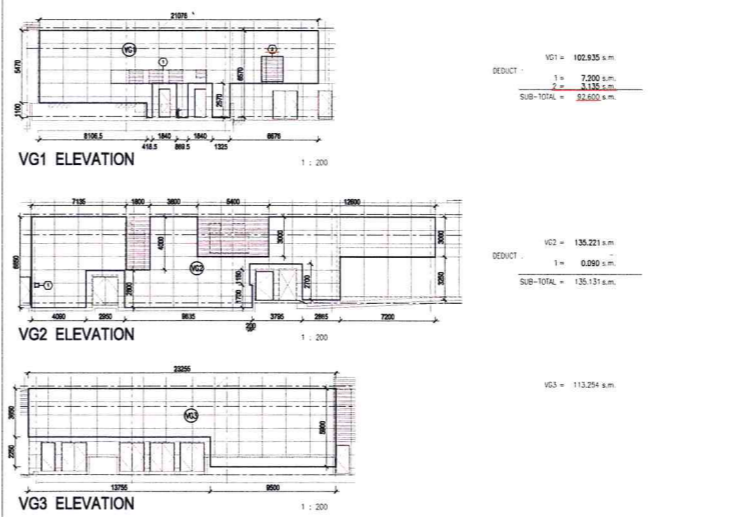
FOR OTHER GREENERY:

L1 = 20.982 s.m.	L2 = 30.929 s.m.
TOTAL GREENERY COVERAGE = 41.912 s.m.	



SITE COVERAGE OF GREENERY DIAGRAM AT LEVEL 4 FLOOR

OTHER GREENING FEATURES CALCULATION: FOR PRIMARY ZONE:



SITE COVERAGE OF GREENERY DIAGRAM AT GROUND FLOOR - VERTICAL GREENING (VG)

SITE COVERAGE OF GREENERY DIAGRAM AT BASEMENT 1 FLOOR - VERTICAL GREENING (VG-B)

