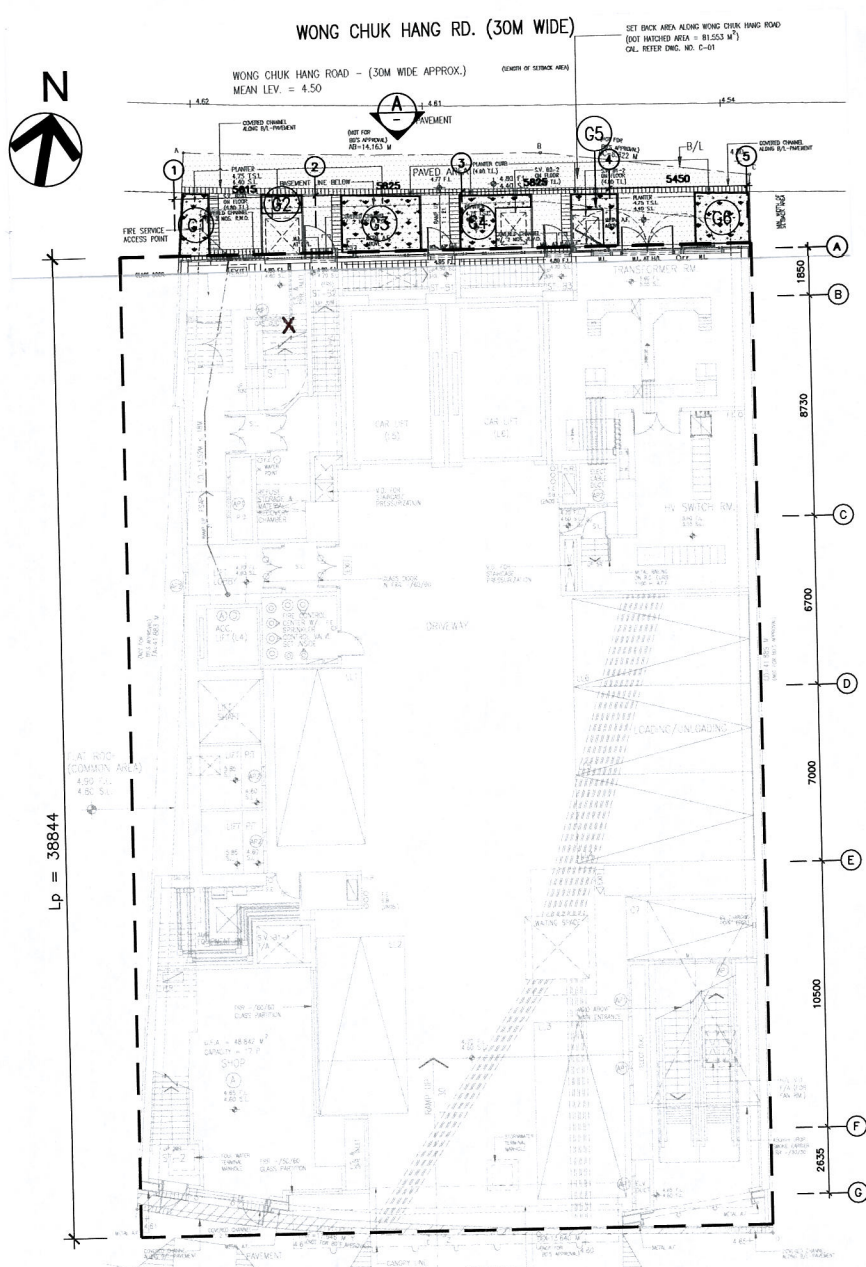


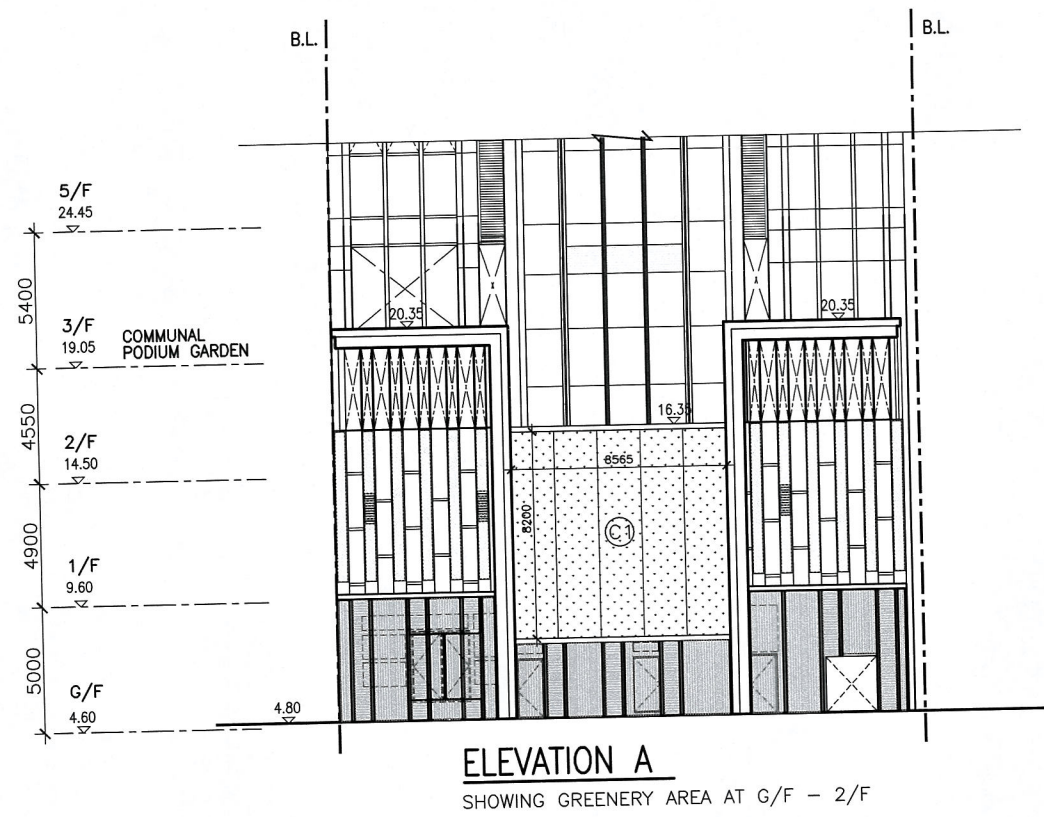
S.B.D. CAL. :-



G/F PLAN HEUNG YIP RD. (21M WIDE)

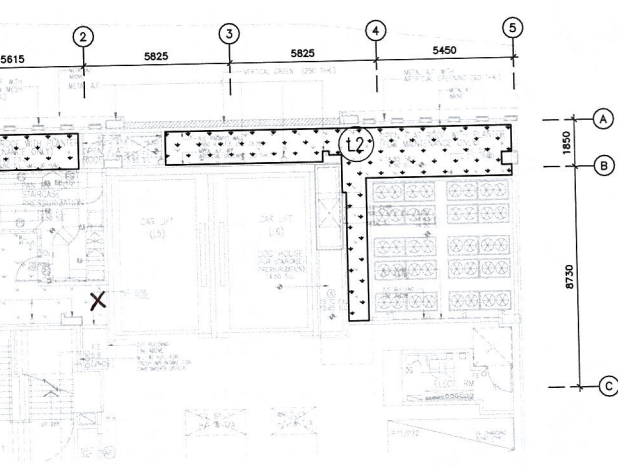
AREA CALCULATION :

(D1)	GREENERY AREA	= 2.624 M <sup>2</sup>
(D2)	GREENERY AREA	= 1.122 M <sup>2</sup>
(D3)	GREENERY AREA	= 6.330 M <sup>2</sup>
(D4)	GREENERY AREA	= 3.818 M <sup>2</sup>
(D5)	GREENERY AREA	= 1.832 M <sup>2</sup>
(D6)	GREENERY AREA	= 1.110 M <sup>2</sup>



ELEVATION A SHOWING GREENERY AREA AT G/F - 2/F

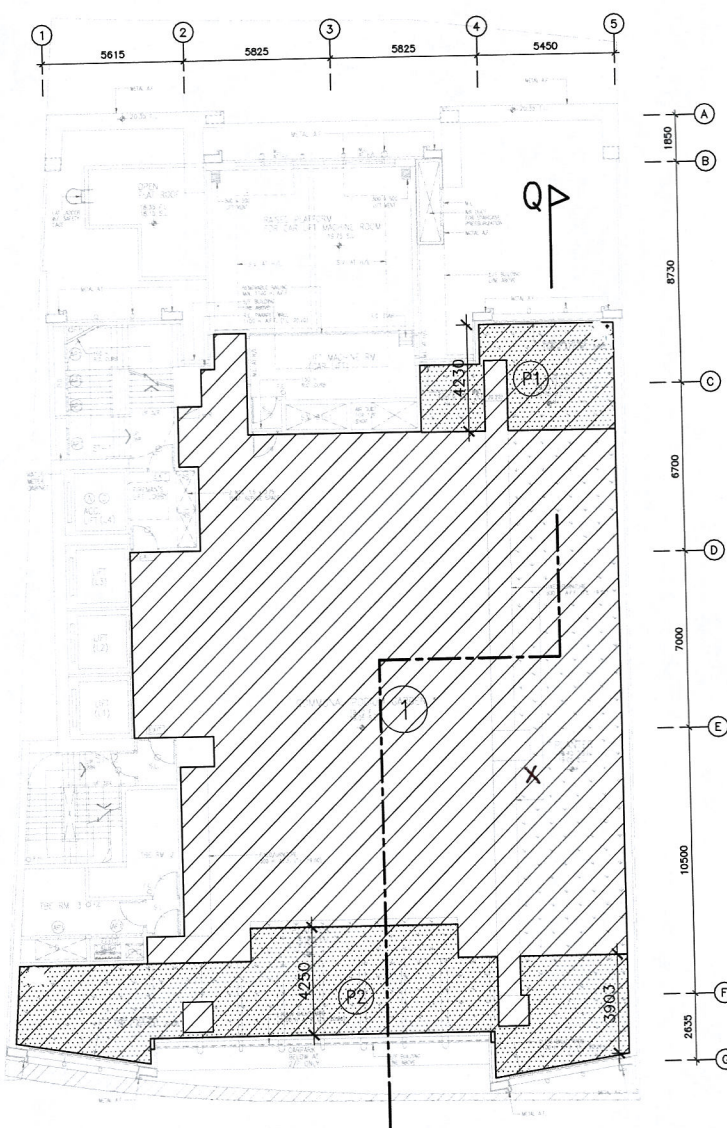
AREA CALCULATION :  
VERTICAL GREENING - MODULAR PLANTERS  
(C1) VERTICAL GREENING AREA = 8.565 x 8.200 = 70.233 M<sup>2</sup>



2/F PLAN

AREA CALCULATION :

(L1)	GREENERY AREA	= 15.436 M <sup>2</sup>
(L2)	GREENERY AREA	= 26.740 M <sup>2</sup>



3/F PLAN (COMMUNAL PODIUM GARDEN)

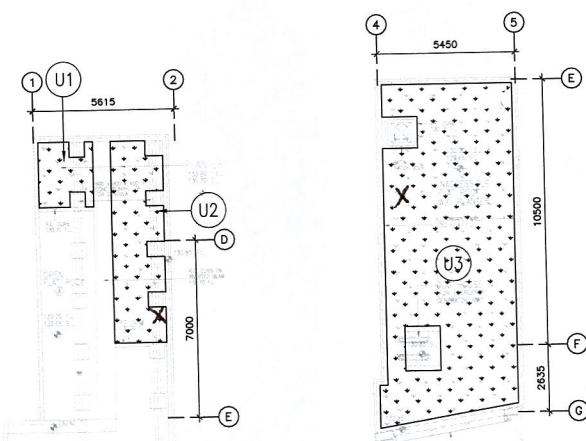
AREA CALCULATION :

(P1)	NET FLOOR AREA OF COMMUNAL PODIUM GARDEN	= 493.485 M <sup>2</sup>
(P2)	GREENERY AREA	= 26.277 M <sup>2</sup>
(P3)	GREENERY AREA	= 88.286 M <sup>2</sup>

LEGEND :  
NET AREA OF COMMUNAL PODIUM GARDEN  
GREENERY AREA WITHIN NET AREA OF COMMUNAL PODIUM GARDEN

NET AREA OF COMMUNAL PODIUM GARDEN :  
(1) = 493.485 M<sup>2</sup>

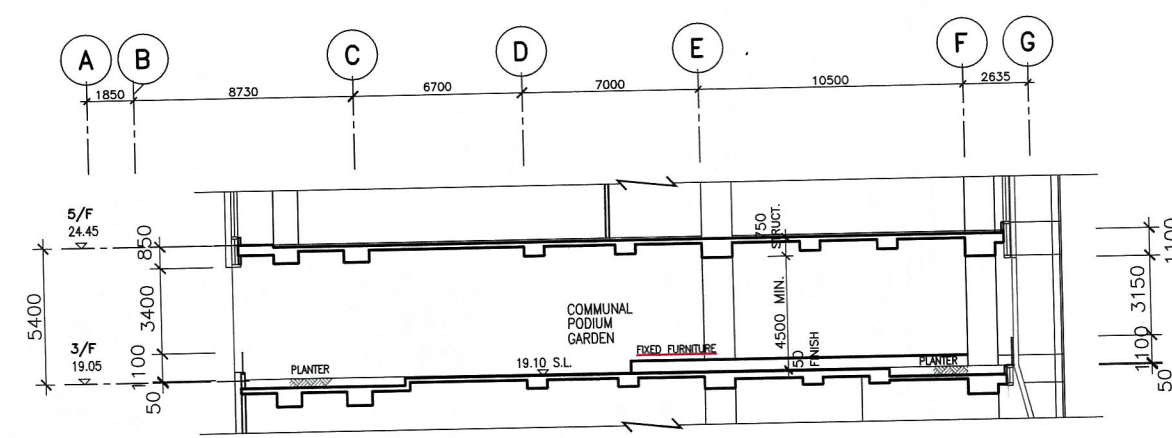
GREENERY AREA WITHIN NET AREA OF COMMUNAL PODIUM GARDEN :  
(P1) + (P2) = 114.563 M<sup>2</sup>



TOP ROOF PLAN

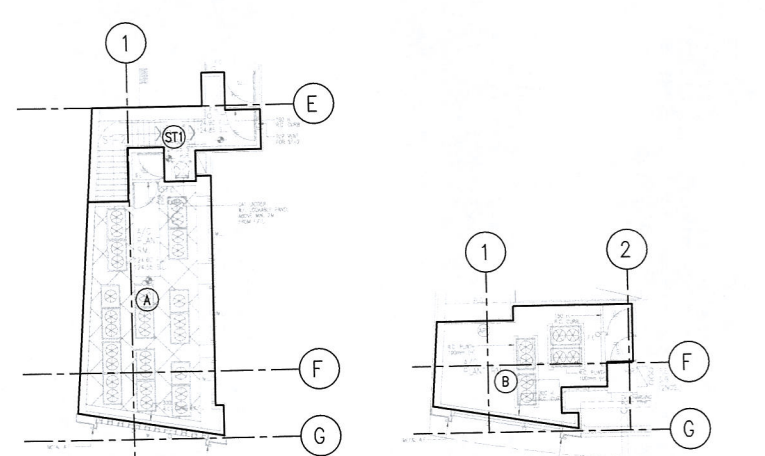
AREA CALCULATION :

(U1)	GREENERY AREA	= 4.881 M <sup>2</sup>
(U2)	GREENERY AREA	= 14.788 M <sup>2</sup>
(U3)	GREENERY AREA	= 63.625 M <sup>2</sup>



SECTION Q-Q SHOWING GREENERY AREA AT 3/F (COMMUNAL PODIUM GARDEN)

A/C PLANT ROOMS AREA CAL. :



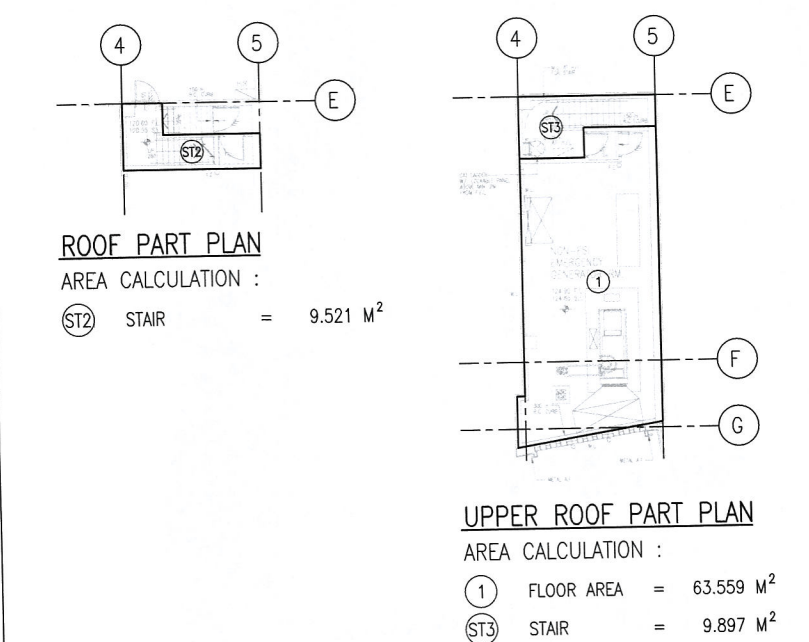
UPPER ROOF PART PLAN AREA CALCULATION :  
(A) FLOOR AREA = 50.766 M<sup>2</sup>  
(B) STAR = 17.015 M<sup>2</sup>  
A/C PLANT RM. AREA : (A) + (B) = 79.382 M<sup>2</sup>

PERCENTAGE OF AIR CONDITIONING AREA TO TOTAL G.F.A. :  
UPPER ROOF A/C RM. = 79.382 / 15163.231 x 100% = 0.524 % < 1 %

REFUSE STORAGE AND MATERIAL RECOVERY CHAMBER CAL. :

REFUSE STORAGE AND MATERIAL RECOVERY CHAMBER AREA CAL. :  
TOTAL U.F.S. PROVIDED (NON-DOMESTIC BUILDING - EXCEPT INDUSTRIAL BUILDING):  
G/F - 28/F = 10121.278 M<sup>2</sup>  
RS&MRC AREA REQUIRED (MIN.) : 10121.278 / 925 = 10.942 M<sup>2</sup>  
RS&MRC AREA PROVIDED : = 15.192 M<sup>2</sup> > 10.942 M<sup>2</sup>  
(AREA CAL. REFER TO DWG. NO. C-01)

NON-FSI EMERGENCY GENERATOR RM. AREA CAL. :



ROOF PART PLAN AREA CALCULATION :  
(S1) STAR = 9.521 M<sup>2</sup>  
UPPER ROOF PART PLAN AREA CALCULATION :  
(1) FLOOR AREA = 63.559 M<sup>2</sup>  
(S2) STAR = 9.897 M<sup>2</sup>

COMMUNAL PODIUM GARDEN AREA CALCULATION :

AREA OF THE FOOTPRINT OF THE TOWER (REFER TO FLOOR AREA OF 5/F-6/F, DWG. NO. C-03) = 734.251 M<sup>2</sup>  
NET AREA OF COMMUNAL PODIUM GARDEN PROVIDED :  
(1) = 493.485 M<sup>2</sup>  
PERCENTAGE OF PODIUM GARDEN AREA PROVIDED : 493.485 / 734.251 x 100% = 67.209 % > 50%  
GREENERY AREA WITHIN NET AREA OF COMMUNAL PODIUM GARDEN :  
GREENERY AREA WITHIN NET AREA OF COMMUNAL PODIUM GARDEN PROVIDED :  
(P1) + (P2) = 114.563 M<sup>2</sup>  
PERCENTAGE OF GREENERY AREA PROVIDED : 114.563 / 734.251 x 100% = 15.603 % > 15%

SUSTAINABLE BUILDING DESIGN (S.B.D.) ASSESSMENT :

(AS REQUIRED UNDER PNAP APP-152)  
SITE AREA = 1012.6 M<sup>2</sup>  
HEIGHT OF BUILDING = 115.50 M  
LEVEL ZERO = 4.50 MFD

BUILDING SEPARATION = 38.844 M < 60 M  
Lp OF BUILDING = 1012.600 M<sup>2</sup> < 20,000 M<sup>2</sup>  
THUS, BUILDING SEPARATION REQUIREMENT IS NOT APPLICABLE.

BUILDING SET BACK = 30 M (APPROX.) > 15 M  
WIDTH OF WONG CHUK HANG ROAD = 21 M > 15 M  
DISTANCE BETWEEN CENTRELINE OF HEUNG YIP ROAD AND THE PROPOSED BUILDING = 10.559 M  
THUS, BUILDING SET BACK REQUIREMENT IS COMPLIED.

SITE COVERAGE OF GREENERY

(WITHIN 15M VERTICAL ZONE OF A SITE ALONG THE ADJUTING STREET LEVEL)  
SITE COVERAGE OF GREENERY (NON-PRIMARY ZONE)  
X IRRIGATION POINT AND DRAINAGE POINT  
TOTAL SITE AREA (UNDER LEASE) = 1012.6 M<sup>2</sup> < 1,000 M<sup>2</sup>  
REQUIRED TOTAL GREENERY AREA UNDER SBD GUIDELINE = 20% OF SITE AREA = 202.520 M<sup>2</sup>  
REQUIRED TOTAL GREENERY AREA AT PRIMARY ZONE = 10% OF SITE AREA = 101.260 M<sup>2</sup>  
MAXIMUM VERTICAL GREENING ALLOWED = 30% OF TOTAL REQUIRED GREENERY AREA = 60.756 M<sup>2</sup>  
VERTICAL GREENING PROVIDED (MODULAR PLANTERS)  
(C1) = 70.233 M<sup>2</sup> > 60.756 M<sup>2</sup>  
GREENERY AREA PROVIDED AT G/F & 2/F (PRIMARY ZONE) :  
(L1) + (L2) + (C1) + (C2) + (C3) + (C4) + (C5) + (C6) = 123.118 M<sup>2</sup> > 101.260 M<sup>2</sup>  
GREENERY AREA PROVIDED AT UR/F :  
(U1) + (U2) + (U3) = 83.294 M<sup>2</sup>  
TOTAL SITE COVERAGE OF GREENERY PROVIDED :  
(C1) + (L1) + (L2) + (U1) + (U2) + (U3) = 241.912 M<sup>2</sup> > 202.540 M<sup>2</sup>

FIRE RESISTANCE RATING SCHEDULE FOR ELEMENT OF CONSTRUCTION

FLOOR	USE	CLASS	FIRE COMPARTMENT LIMITATIONS AREA M <sup>2</sup> (MAX.)	VOL. M <sup>3</sup> (MAX.)	F.R.R. REQ'D (MINUTES)	MIN. DIM. FOR ELEMENT OF CONSTRU.							
						R.C.COL.	R.C.BEAM	R.C.WALL	R.C.SLAB				
R/F TO UR/F	LIFT MACHINE RM., A/C PLANT RM., EMERGENCY GENERATOR RM. & NON-FSI EMERGENCY GENERATOR RM.	8	IN ALL CASES		120	300	35	200	50*	100	25	125	35
5/F TO 28/F (EACH FL.)	OFFICE	4a	NOT EXCEEDING 10,500 M <sup>2</sup>		60	200	25	200	30	75	15	100	20
3/F	COMMUNAL PODIUM GARDEN	-	-	-	-	-	-	-	-	-	-	-	-
	ELECT RM. & TBE RM.	8	IN ALL CASES		120	300	35	200	50*	100	25	125	35
	LIFT MACHINE RM. (CAR LIFT)	7	NOT EXCEEDING 10,500 M <sup>2</sup>		60	200	25	200	30	75	15	100	20
2/F	CARETAKER'S OFFICE & GUARD RM.	4a	NOT EXCEEDING 10,500 M <sup>2</sup>		60	200	25	200	30	75	15	100	20
	EV CHARGING METER RM., TBE RM. & FAN RM.	8	IN ALL CASES		120	300	35	200	50*	100	25	125	35
	A/C PLANT RM.	4b	NOT EXCEEDING 2,500 M <sup>2</sup>		60	200	25	200	30	75	15	100	20
1/F	SHOP	8	IN ALL CASES		120	300	35	200	50*	100	25	125	35
	LV SWITCH RM.	4b	NOT EXCEEDING 2,500 M <sup>2</sup>		60	200	25	200	30	75	15	100	20
2/F	SHOP	8	IN ALL CASES		120	300	35	200	50*	100	25	125	35
	CAR PARK & DRIVEWAY	7	NOT EXCEEDING 10,500 M <sup>2</sup>		60	200	25	200	30	75	15	100	20
G/F	CAR PARK & DRIVEWAY	7	NOT EXCEEDING 10,500 M <sup>2</sup>		60	200	25	200	30	75	15	100	20
	F.S. CONTROL CENTER, & R.S.M.R.C.	8	IN ALL CASES		120	300	35	200	50*	100	25	125	35
	TRANSFORMER RM. & HV SWITCH RM.	7	NOT EXCEEDING 10,500 M <sup>2</sup>		60	200	25	200	30	75	15	100	20
	CAR PARK & DRIVEWAY	7	NOT EXCEEDING 10,500 M <sup>2</sup>		240	450	35	280	80*	180	25	170	55*
	CAR PARK & DRIVEWAY	7	NOT EXCEEDING 10,500 M <sup>2</sup>		240	450	35	280	80*	180	25	170	55*
	FAN RM. FOR STAIRCASE PRESSURIZATION, FAN RM., TBE RM., F.S. PUMP TANK RM., SPRINKLER PUMP TANK RM., POTABLE WATER PUMP RM., FLOUSHING WATER PUMP RM. & EV CHARGING METER & SWITCH RM.	8	IN ALL CASES		240	450	35	280	80*	180	25	170	55*

\* SLAB AT G/F : FRR NOT LESS THAN 240/240 (i.e. 170 W/ 55 \* COVER)  
\* FIRE COMPARTMENT WALL WITHIN BASEMENT FL. (ZONE SEPARATION) : F.R.R. NOT LESS THAN -/120/120  
\* LIFT WELLS EXCEPT OPENING : FRR NOT LESS THAN 120/120/120  
\* FLOOR NO. 4/F, 13/F, 14/F & 24/F OMITTED  
\* REINFORCEMENT CONSISTING OF EXPANDED METAL LATH OR WIRE FABRIC NOT LIGHTER THAN 0.5KG/M WITH 2MM DIAMETER WIRE AT NOT MORE THAN 100MM CENTRES OR A CONTINUOUS ARRANGEMENT OF LINKS AT NOT MORE THAN 200MM CENTERS SHOULD BE INCORPORATED IN THE CONCRETE COVER AT A DISTANCE NOT EXCEEDING 20MM FROM THE FACE.

SANITARY FITTING SCHEDULE

FLOOR	USE	U.F.A. MAX. (M <sup>2</sup> ) (EACH UNIT)	FACTOR	CAPACITY (EACH UNIT)	REQUIRED			PROVIDED			REMARK	
					W.C.	URINAL	BATH / SHOWER	W.C.	URINAL	BATH / SHOWER		
G/F	SHOP	48.842	15	4	M. 12	2	1	-	2	1	2	-
1/F	SHOP	228.709	15	16	M. 12	2	1	-	2	1	2	-
	PANTRY	2.250	9	1	F. 13	2	-	-	3	-	3	-
	STORE	7.774	30	1	F. 13	2	-	-	3	-	3	-
2/F	CARETAKER'S OFFICE & GUARD ROOM	22.899	9	3	M. 30	2	1	2	-	3	3	-
5/F-6/F	UNIT A	528.668	59	1	M. 30	2	1	2	-	3	3	-
	PANTRY	2.250	9	1	F. 30	3	-	2	-	4	-	-
7/F-28/F	UNIT A	458.222	51	1	M. 26	2	1	2	-	3	3	-
	PANTRY	2.250	9	1	F. 26	3	-	2	-	4	-	-

\* FLOOR NO. 4/F, 13/F, 14/F & 24/F OMITTED

BD REF. NO. : 2/2018/17  
FSD REF. NO. : FP 8/5777

THE WORKS SHOWN ON THESE PLANS ARE TYPE II WORKS BUILDING IN RESPECT OF WHICH CONSENT IS APPLIED FOR THE PURPOSE OF FAST TRACK CONSENT APPLICATION UNDER REGULATION 33 OF THE BUILDING (ADMINISTRATION) REGULATIONS.

K.	05/2022	GEN. REV.
J	03/2022	GEN. REV.
H	11/2021	GEN. REV.
G	08/2021	GEN. REV.
F	04/2021	GEN. REV.
E	09/2020	GEN. REV.
D	07/2020	GEN. REV.
C	03/2020	GEN. REV.
B	08/2019	GEN. REV.
A	03/2019	GEN. REV.
NUMBER / 編號	DATE / 日期	AMENDMENT / 備註

P&T Architects and Engineers Ltd  
巴馬丹拿建築及工程師有限公司  
www.p-t-group.com T: 852-2575 6575  
Hong Kong, Singapore, Bangkok, Shanghai, Beijing, Wuhan, Dalian, Chongqing, Shenzhen, Macau, Hanoi, Ho Chi Minh City, Jakarta, Kuala Lumpur, Dubai, Abu Dhabi, Doha

PROJECT / 工程項目  
PROPOSED COMMERCIAL BUILDING AT A.I.L. 351, 36 WONG CHUK HANG ROAD, ABERDEEN, H.K.

DRAWING / 圖名  
SCHEDULES, SBD & MISC. CAL.

SCALE / 比例  
1 : 300  
DATE / 日期  
12/2018  
JOB NUMBER / 工程編號  
5438  
DRAWING NUMBER / 圖號  
LA-02  
DESIGNED / 設計  
B.W.  
CHECKED / 審核  
LCSE  
APPROVED / 審定

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80'S OFFICIAL USE

Plan Approved  
LIE FONG YU, Fanny  
Senior Building Surveyor  
for BUILDING AUTHORITY  
14 JUN 2022

Note: This plan has been processed on a curtailed check basis under the centralized processing system as promulgated in PNAP-ADM-15. The duties of the authorized person, registered structural engineer and/or registered geotechnical engineer concerned as specified under section 4(3)(b) and the provision of section 14(2)(c) of the Buildings Ordinance are of particular relevance in this regard.

LEE MING YEN JENNIFER  
AUTHORIZED PERSON - ARCHITECT

AMENDED