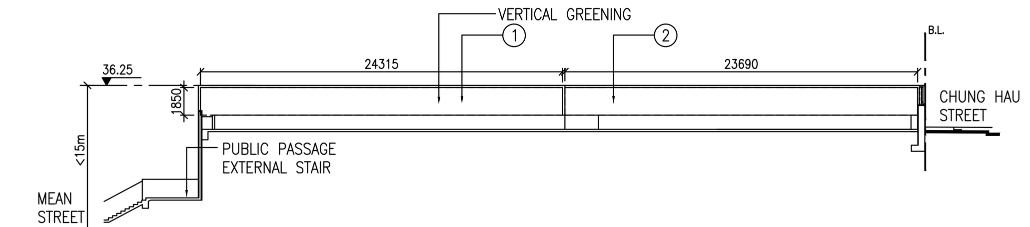
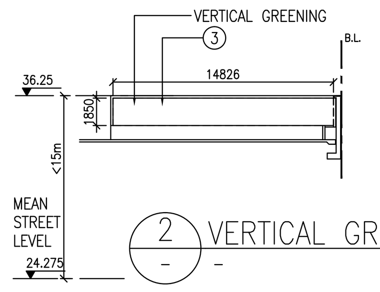
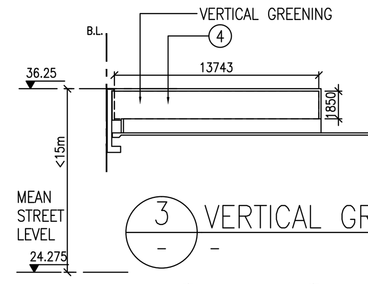


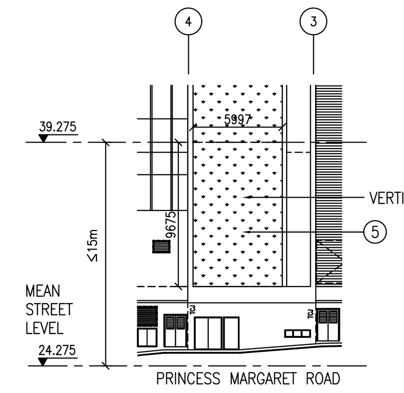
① VERTICAL GREENERY DIAGRAM



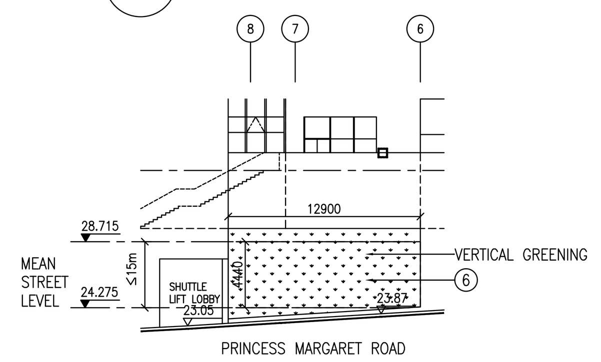
② VERTICAL GREENERY DIAGRAM



③ VERTICAL GREENERY DIAGRAM



④ VERTICAL GREENERY DIAGRAM



⑤ VERTICAL GREENERY DIAGRAM

VERTICAL GREENERY CALCULATION :

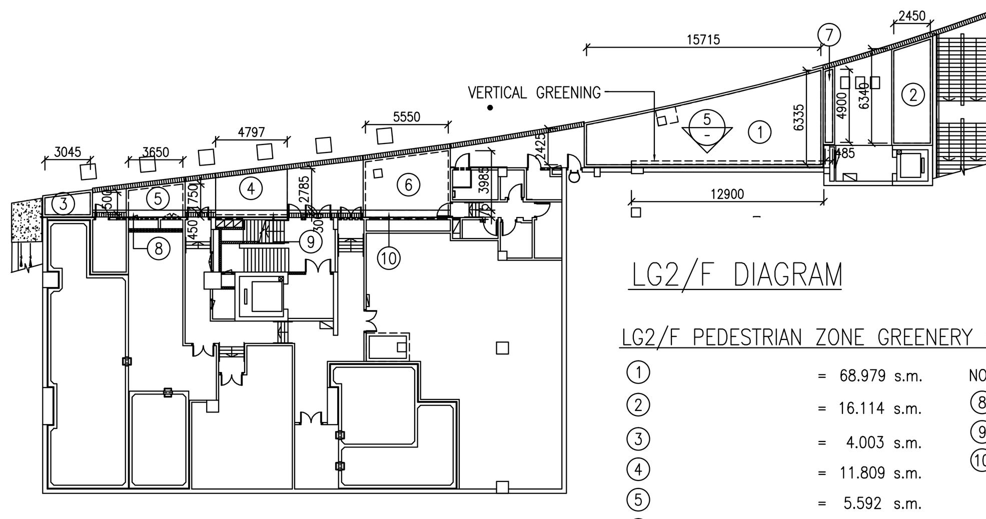
MAX. COUNTED FOR TOTAL GREENERY AREA

856.6 x 30% = 256.98 m^2

① + ② + ③ + ④ + ⑤ + ⑥

44.983 s.m. + 43.826 s.m. + 27.428 s.m. + 25.425 s.m. + 58.026 s.m. + 57.292 s.m.

= 256.98 s.m.



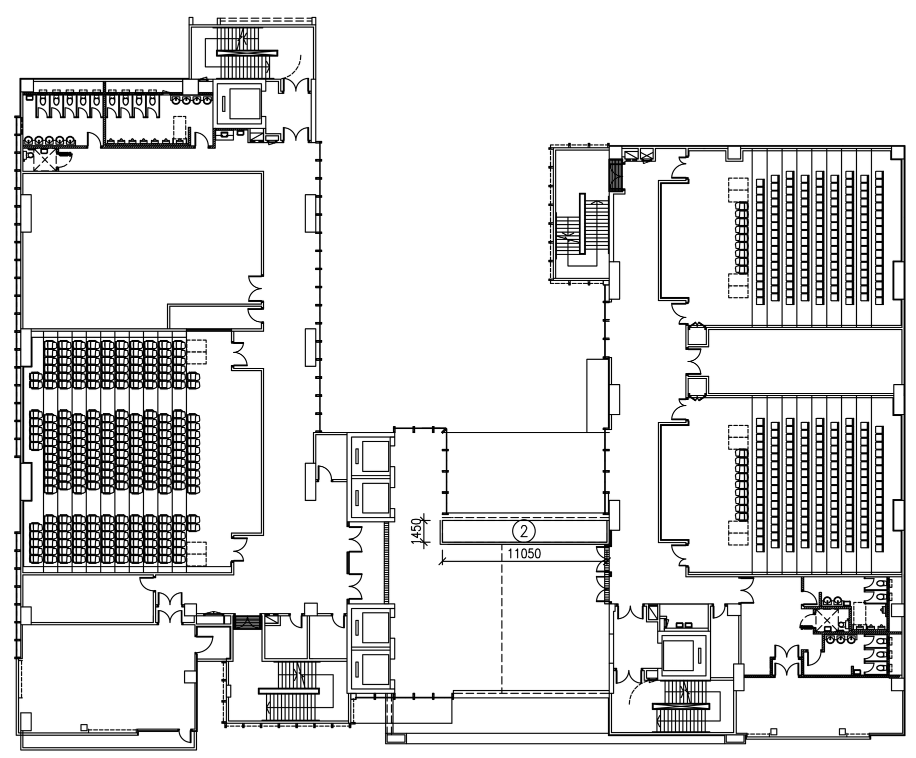
LG2/F DIAGRAM

LG2/F PEDESTRIAN ZONE GREENERY CALCULATION

①	=	68.979 s.m.
②	=	16.114 s.m.
③	=	4.003 s.m.
④	=	11.809 s.m.
⑤	=	5.592 s.m.
⑥	=	20.049 s.m.
⑦	=	2.348 s.m.
TOTAL:	=	128.894 s.m.

NOT ACCOUNTABLE AREA

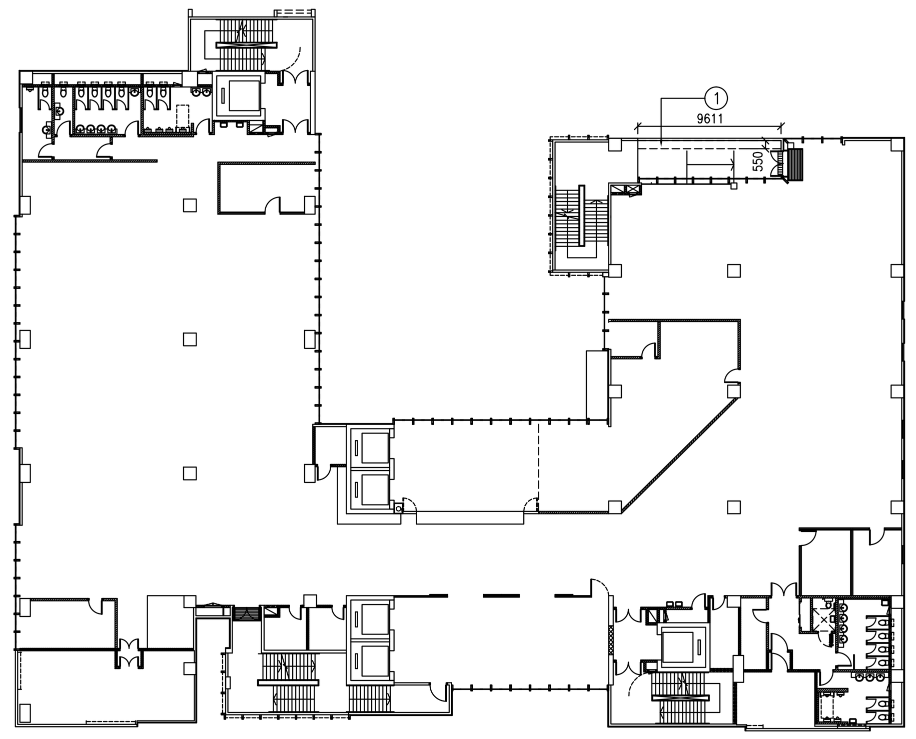
⑧	=	1.643 s.m.
⑨	=	1.349 s.m.
⑩	=	2.636 s.m.



3/F DIAGRAM

3/F GREENERY CALCULATION

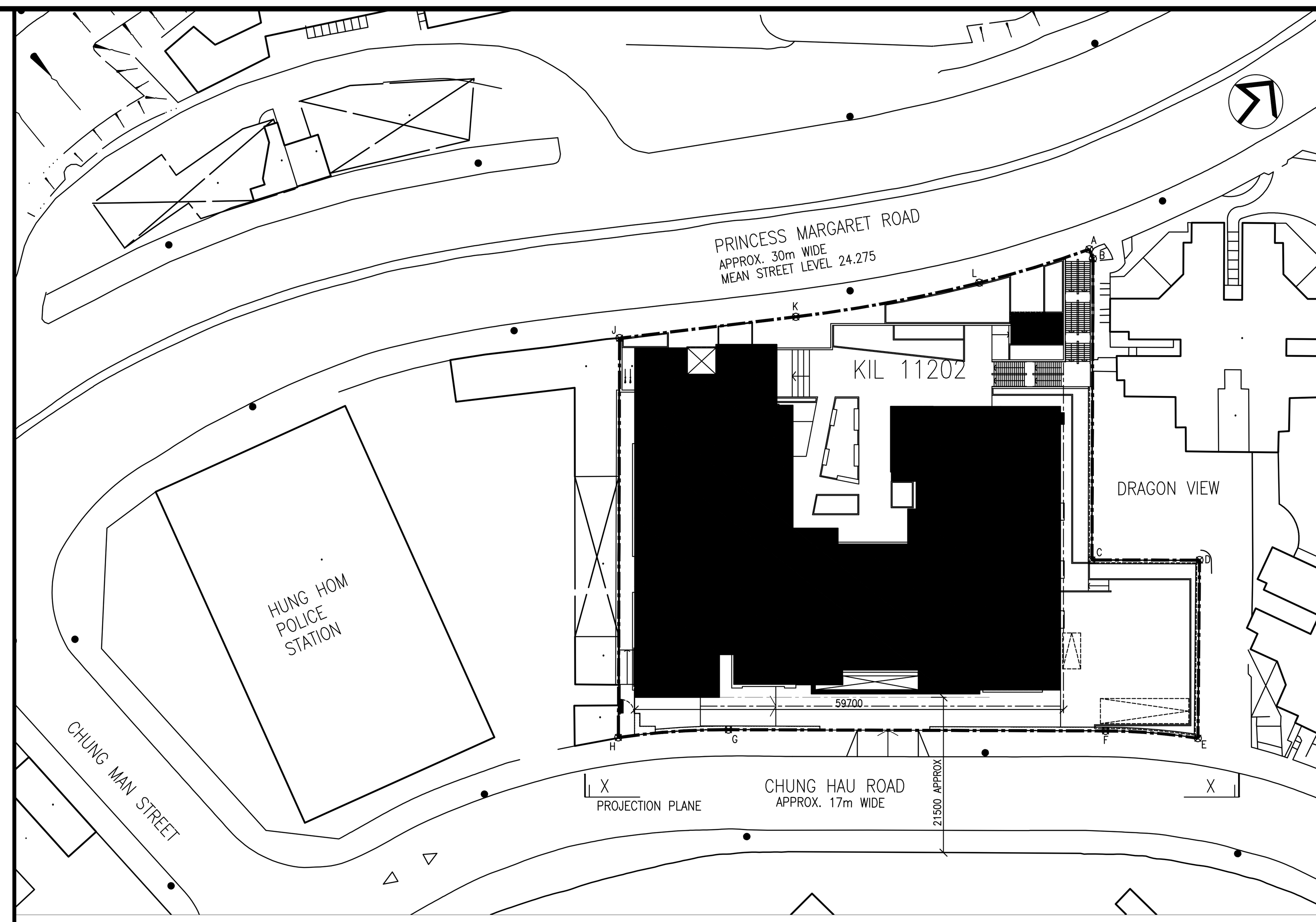
② = 16.023 s.m. —— NOT ACCOUNTABLE



5/F DIAGRAM

5/F GREENERY CALCULATION

①	=	5.286 s.m.
TOTAL:	=	5.286 s.m.



BLOCK PLAN SCALE 1 : 500

SUSTAINABLE BUILDING DESIGN (SBD)

SITE AREA = 4283 m^2 < 20000 m^2

BUILDING HEIGHT = 96.800 − 24.275 = 72.525 m > 60 m

1. BUILDING SEPARATION NOT REQUIRED
   PROJECTION FACADE LENGTH (Lp) = 59.70 m < 60 m
2. BUILDING SET BACK NOT REQUIRED
   MIN. WIDTH OF STREET ABUTTING BUILDING >15 m WIDE (CHUNG HAU STREET)
3. GREENERY SITE COVERAGE REQUIRED
   TOTAL GREENERY AREA REQUIRED = 4283 m^2 x 20% = 856.6 m^2

PROPOSED GREENERY AREA AT PEDESTRIAN ZONE

(min 10% OF SITE AREA)

1. LG2/F	= 128.894 m^2
2. G/F	= 312.876 m^2
3. VERTICAL GREENERY	= 256.980 m^2
TOTAL	= 698.750 m^2 > 428.3 m^2

PROPOSED GREENERY AREA OF OTHER LOCATIONS

NOTE :
1. NOT STATUTORY ACCOUNTABLE GREENERY AREA ON 1/F, 2/F, 3/F, 4/F, 7/F, 8/F, 9/F , 10/F AND TR/F.
2. TOTAL GREENERY AREA INCLUDING VERTICAL GREENERY & COVERED PLANTERS=1720s.m.

(MAX 10% OF SITE AREA)

~~1. 1/F~~	~~= 28.000 m^2~~
2. 2/F	= 24.345 m^2
~~3. 3/F~~	~~= 9.775 m^2~~
4. 5/F	= 5.286 m^2
5. 6/F	= 85.328 m^2
6. 11/F	= 111.376 m^2
7. 12/F	= 361.301 m^2
~~8. TR/F~~	~~= 501.248 m^2~~
TOTAL	= 587.636 m^2

TOTAL GREENERY SITE COVERAGE

$$= \frac{698.750\ m^2 + 587.636\ m^2}{4283\ m^2} \times 100\%$$

= 30.035% > 20%

GREENERY AREA PROVIDED UNDER APPROVED SECTION 16 SCHEME = 770 m^2

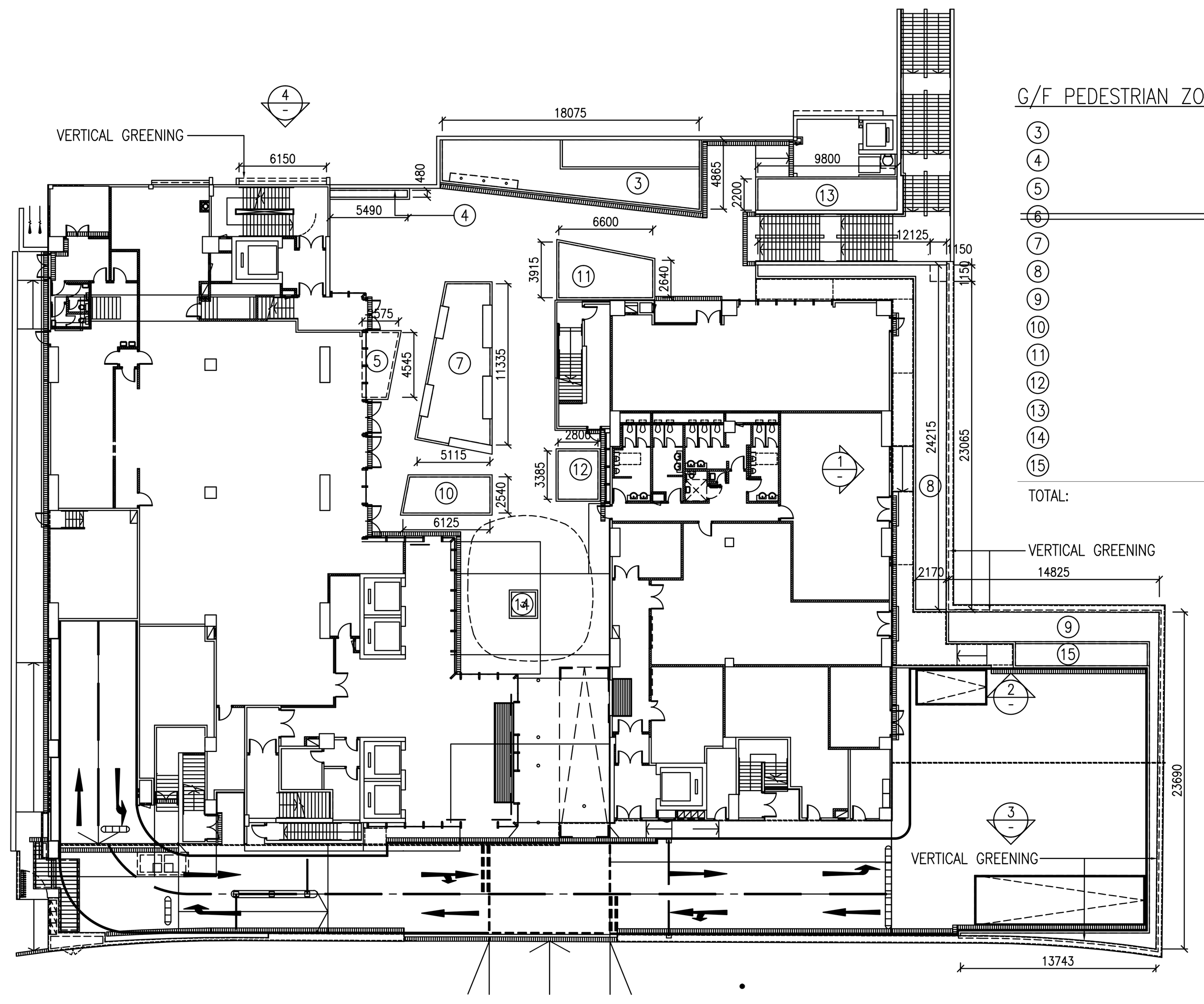
GREENERY AREA PROVIDED UNDER CURRENT SCHEME
(EXCLUDE VERTICAL GREENERY)

(698.750 m^2 + 587.636 m^2) − 256.980 m^2 = 1029.406 m^2 > 770 m^2

BD REF. NO. : BD 2/4088/11(P)
FSD REF. NO. : FP8/10997

RECORD PLAN

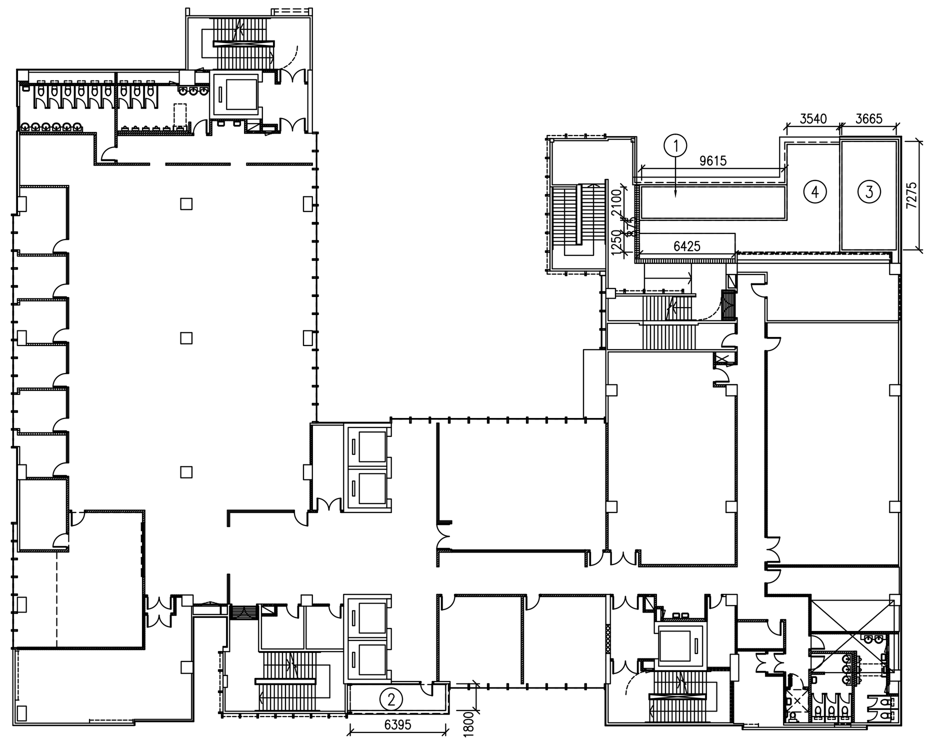
14 JAN 2014



G/F DIAGRAM

G/F PEDESTRIAN ZONE GREENERY CALCULATION

③	=	67.117 s.m.
④	=	2.600 s.m.
⑤	=	9.716 s.m.
~~⑥~~	~~=~~	~~9.020 s.m.~~
⑦	=	40.136 s.m.
⑧	=	59.833 s.m.
⑨	=	48.603 s.m.
⑩	=	14.925 s.m.
⑪	=	21.641 s.m.
⑫	=	9.479 s.m.
⑬	=	21.554 s.m.
⑭	=	2.890 s.m.
⑮	=	14.382 s.m.
TOTAL:	=	312.876 s.m.



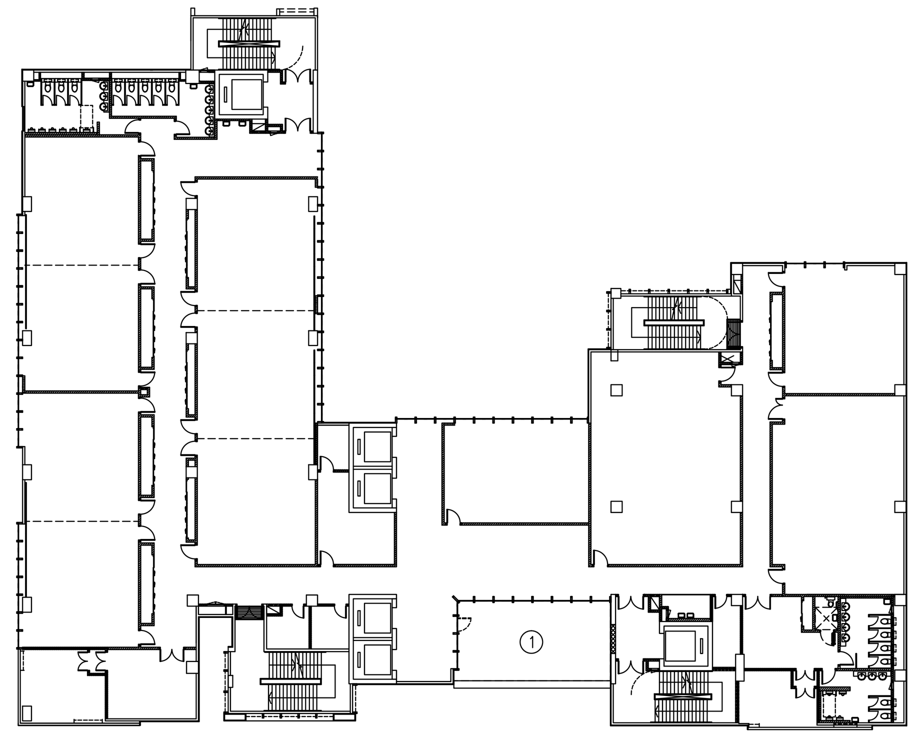
6/F DIAGRAM

6/F GREENERY CALCULATION

①	=	20.192 s.m.
③	=	26.554 s.m.
④	=	38.582 s.m.
TOTAL:	=	85.328 s.m.

NOT ACCOUNTABLE AREA

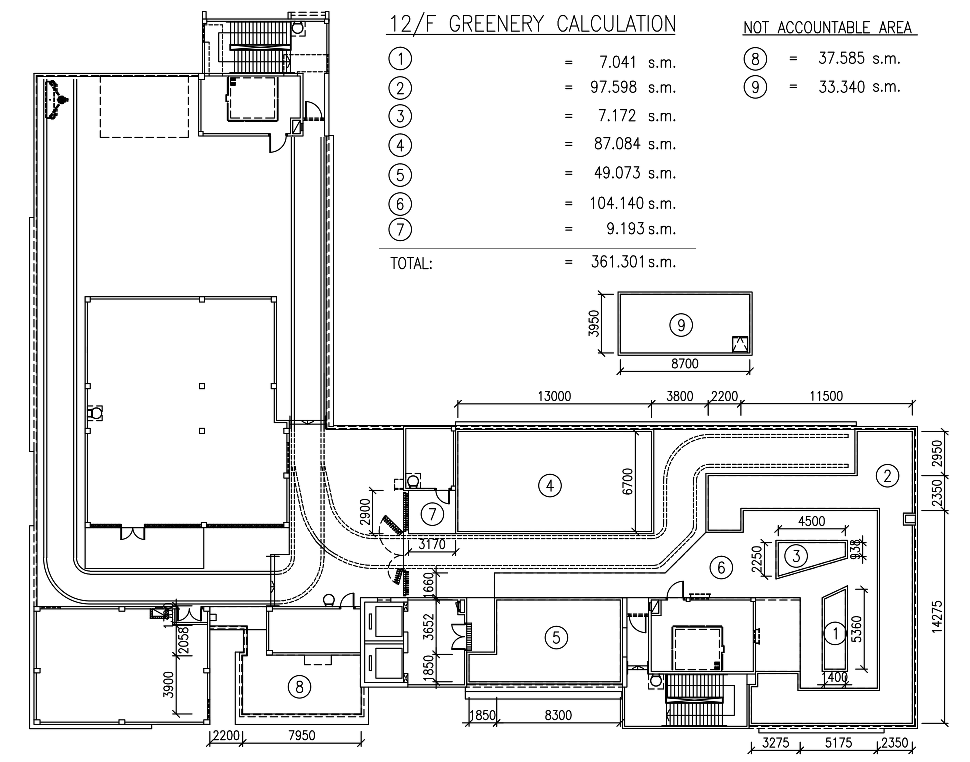
② = 11.512 s.m.



8/F DIAGRAM

8/F GREENERY CALCULATION (NOT ACCOUNTABLE)

①	=	55.041 s.m.
TOTAL:	=	55.041 s.m.



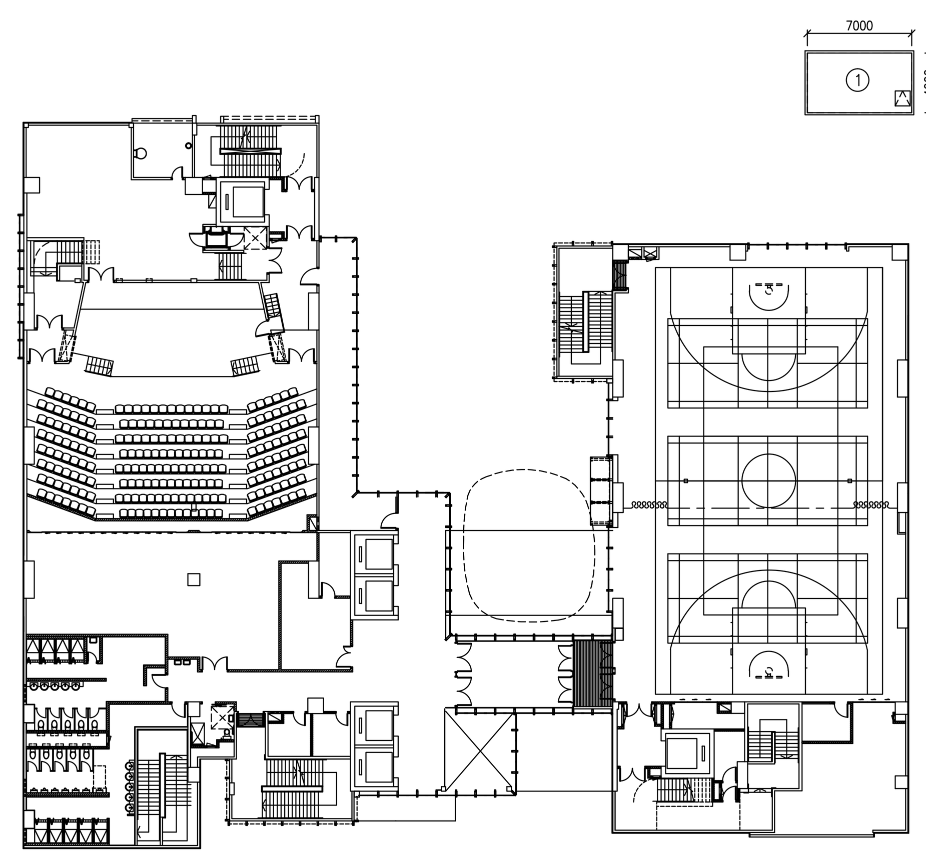
12/F DIAGRAM

12/F GREENERY CALCULATION

①	=	7.041 s.m.
②	=	97.598 s.m.
③	=	7.172 s.m.
④	=	87.084 s.m.
⑤	=	49.073 s.m.
⑥	=	104.140 s.m.
⑦	=	9.193 s.m.
TOTAL:	=	361.301 s.m.

NOT ACCOUNTABLE AREA

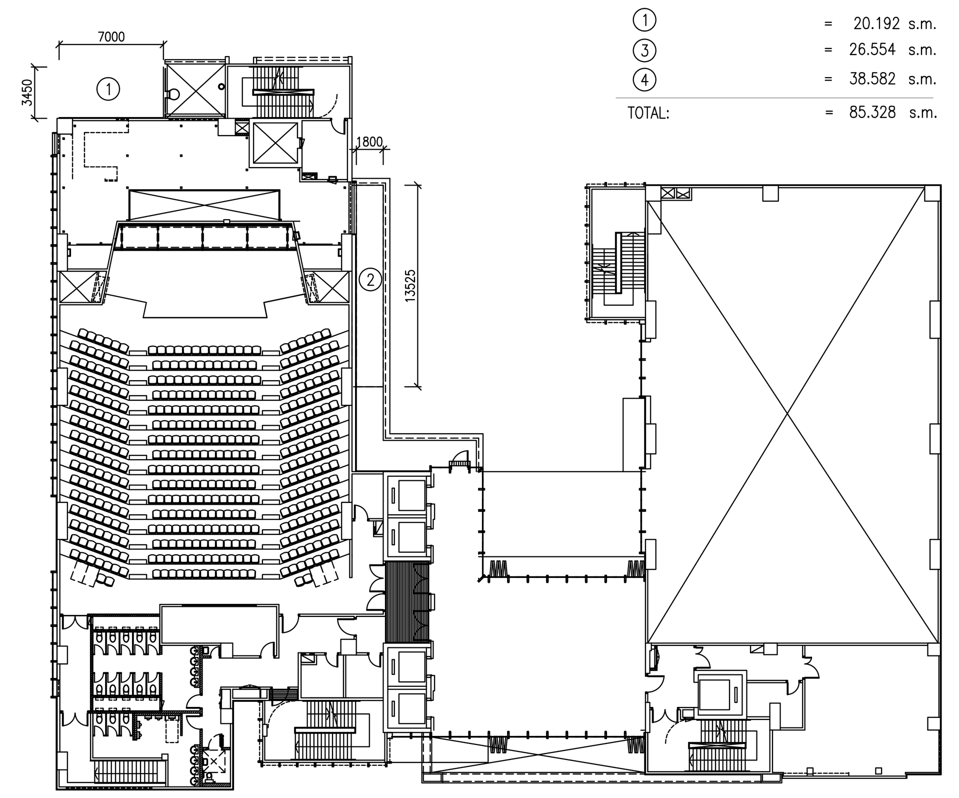
⑧	=	37.585 s.m.
⑨	=	33.340 s.m.



1/F DIAGRAM

1/F GREENERY CALCULATION (NOT ACCOUNTABLE)

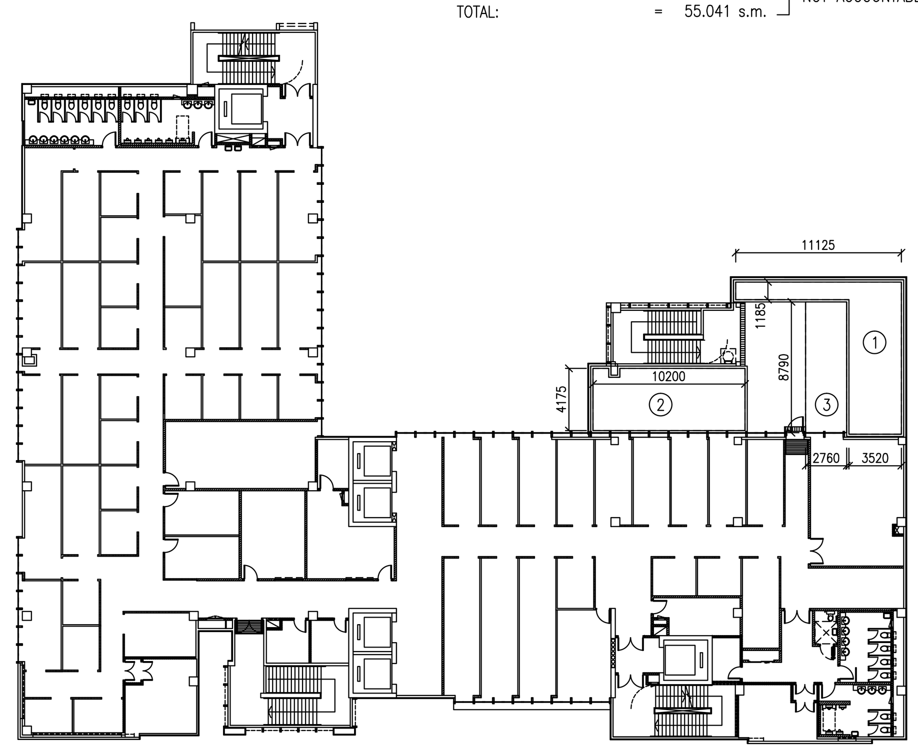
① = 28.000 s.m.



2/F DIAGRAM

2/F GREENERY CALCULATION

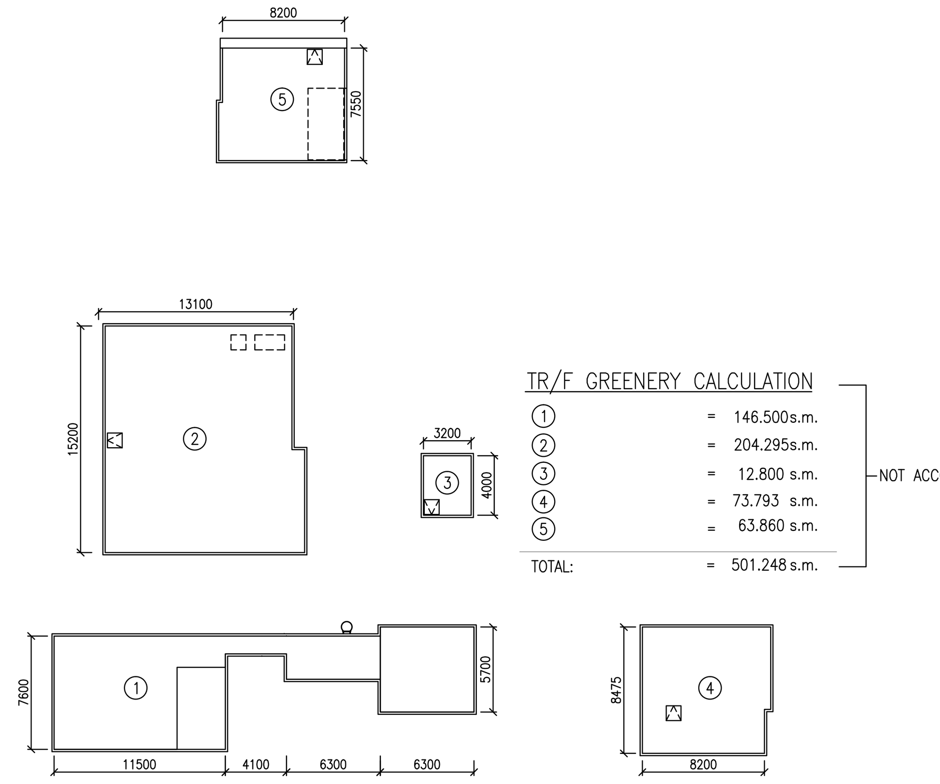
①	=	23.977 s.m.	— NOT ACCOUNTABLE
②	=	24.345 s.m.	



11/F DIAGRAM

11/F GREENERY CALCULATION

①	=	44.990 s.m.
②	=	42.126 s.m.
③	=	24.260 s.m.
TOTAL:	=	111.376 s.m.



TR/F DIAGRAM

TR/F GREENERY CALCULATION (NOT ACCOUNTABLE)

①	=	146.500 s.m.
②	=	204.295 s.m.
③	=	12.800 s.m.
④	=	73.793 s.m.
⑤	=	63.860 s.m.
TOTAL:	=	501.248 s.m.

NUMBER / 編號	DATE / 日期	AMENDMENT / 修訂
E	12-2013	BD AMENDMENT
D	06-2013	BD AMENDMENT
C	09-2012	BD AMENDMENT
B	06-2012	BD AMENDMENT
A	01-2012	BD RE-SUBMISSION
–	10-2011	BD SUBMISSION

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

P&T ARCHITECTS AND ENGINEERS LTD 巴馬丹拿建築及工程師有限公司 33/F, 633 KING'S ROAD, NORTH POINT, HONG KONG 香港北角英皇道633號33樓 TEL/電話:852-2575 6575 FAX/傳真:852-2891 3834
P&T GROUP INTERNATIONAL LTD 巴馬丹拿集團國際有限公司 TEL/電話:852-2575 6575 FAX/傳真:852-2891 3834
P&T CONSULTANTS PTE LTD 巴馬丹拿顧問有限公司 TEL/電話:65-6535 2011 FAX/傳真:65-6535 1283
PALMER & TURNER (THAILAND) LTD 巴馬丹拿(泰國)有限公司 TEL/電話:66-2-651 9180 FAX/傳真:66-2-651 9170
PALMER & TURNER CONSULTANTS (SHANGHAI) LTD 巴馬丹拿建築設計諮詢(上海)有限公司 TEL/電話:86-21-6237 2808 FAX/傳真:86-21-6237 2220
PALMER & TURNER CONSULTANTS (SHANGHAI) LTD (BEIJING BRANCH) 巴馬丹拿建築設計諮詢(上海)有限公司 (北京分公司) TEL/電話:86-10-8587 9851 FAX/傳真:86-10-8587 9812
P&T ARCHITECTS AND ENGINEERS LTD (MACAU BRANCH) 巴馬丹拿建築及工程師有限公司 (澳門分公司) TEL/電話:853-2855 0341 FAX/傳真:853-2831 4214
P&T ARCHITECTS AND ENGINEERS SDN. BHD. TEL: 852-2575 6575 FAX: 852-2891 3834
P&T INDONESIA TEL: 852-2575 6575 FAX: 852-2891 3834
P&T TAIWAN LTD 巴馬丹拿(台灣)有限公司 TEL/電話:852-2575 6575 FAX/傳真:852-2891 3834

PROJECT / 工程項目
THE OPEN UNIVERSITY OF HONG KONG
CHUNG HAU STREET CAMPUS DEVELOPMENT

DRAWING / 圖名
SUSTAINABLE BUILDING DESIGN
AREA CALCULATIONS

SCALE / 比例: 1:300@A0	JOB NUMBER / 工程編號: 4622
DATE / 日期: 10-2011	DRAWING NUMBER / 圖號: C-11
	– | A | B | C | D | E | | |
DESIGNED / 設計: P&T	CHECKED / 審核: P&T — APPROVED / 審定: P&T

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED 除特別注明外,所有尺寸是以毫米制
- DO NOT SCALE DRAWING 圖中以所有標注尺寸為準,不應量度
- ALL MEASUREMENTS SHOULD BE VERIFIED ON SITE 最終尺寸須在現場核對準確

THE OWNERSHIP OF THE COPYRIGHT OF THIS DRAWING IS RETAINED BY P&T ARCHITECTS AND ENGINEERS LTD. WHOSE CONSENT MUST BE OBTAINED BEFORE ANY USE OR REPRODUCTION OF THE DRAWING OR ANY PART THEREOF CAN BE MADE.
圖紙內容版權屬巴馬丹拿建築及工程師有限公司所有,採用或複製此圖紙內容,必需得本公司的同意。