

Appendix 2

Fire Service Installations Proposal

規 劃 署

粉嶺、上水及元朗東規劃處
新界荃灣青山公路 388 號
中染大廈 22 樓 2202 室

**Planning Department**

Fanling, Sheung Shui & Yuen Long East
District Planning Office
Unit 2202, 22/F, CDW Building,
388 Castle Peak Road, Tsuen Wan, N.T.

來函檔號 Your Reference :
本署檔號 Our Reference : TPB/A/YL-NSW/318
電話號碼 Tel. No. : 3168 4043/3168 4048
傳真機號碼 Fax No. : 3168 4074 / 3168 4045

By Post and Fax (3590 6233)

DeSPACE (International) Limited



(Attn.: Calton HEUNG)

29 October 2024

Dear Sir/ Madam,

Submission for Compliance with Approval Condition**(h) – The Submission of a Fire Service Installation Proposal**

**Proposed Temporary Public Vehicle Park (Excluding Container Vehicle) with
Ancillary Electric Vehicle Charging Facility and Office for a Period of 5 Years and
Associated Filling of Land in “Village Type Development” Zone,
Lots 3669 S.A ss.2, 3669 S.B ss.1, 3670 RP (Part), 3671 S.A,
3672 S.A, 3673 S.A and 3674 RP in D.D. 104, Pok Wai, Yuen Long**
(Application No. A/YL-NSW/318)

I refer to your submission dated 19.9.2024 for compliance with the captioned approval condition. The relevant department has been consulted on your submission. Your submission is considered:

- ☒ Acceptable. The captioned condition has been complied with.
- ☐ Acceptable. Since the captioned condition requires both the submission and implementation of the proposal, it has not been fully complied with. Please proceed to implement the accepted proposal for full compliance with the approval condition.
- ☐ Not acceptable. The captioned condition has not been complied with. Please find detailed departmental comments in *Appendix*.

- 2 -

Should you have any queries on the departmental comments, please contact Mr. CHEUNG Wing-hei (Tel: 2733 7737) of the Fire Services Department directly.

Yours faithfully,



(Alexander MAK)
District Planning Officer/
Fanling, Sheung Shui & Yuen Long East
Planning Department

c.c.

D of FS

(Attn.: Mr. CHEUNG Wing-hei)

Internal

CTP/TPB

AM/GL/YM/ms

1. GENERAL NOTES

- 1.1 ALL DIMENSIONS SHOWN ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES AND REFER TO HONG KONG PRINCIPAL DATUM.
1.2 ALL BRICK WORK AND MASONRY TO BE BUILT 1:3 CEMENT MORTAR.
1.3 ALL REINFORCED CONCRETE WORKS TO BE 1:2:4 MIX UNLESS OTHERWISE STATED.
1.4 REQUIREMENTS FOR NEW REQUIRED STAIRCASE RS-1:-
a. A CLEAR HEIGHT OF NOT LESS THAN 2000MM SHALL BE PROVIDED.
b. TREADS SHALL BE NOT LESS THAN 225MM WIDE AND RISERS SHALL BE NOT MORE THAN 175MM HIGH.
c. THE STAIRCASE SHALL BE PROVIDED WITH ADEQUATE NATURAL LIGHTING AT EACH STOREY ABOVE THE GROUND FLOOR AND BE VENTILATED AT LEAST AT ITS HIGHEST POINT.
d. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES.
1.5 BARRIER FREE ACCESS REQUIREMENTS:-
a. DISABLED FACILITIES SHALL COMPLY WITH THE REQUIREMENTS LAID DOWN IN DESIGN MANUAL BARRIER FREE ACCESS 2008.
b. HANDRAILS SHALL BE INSTALLED ON BOTH SIDES OF ALL DISABLED RAMPS.
1.6 NO WORKS TO BE COMMENCED UNLESS THE CONSENT FOR COMMENCEMENT OF WORKS HAS BEEN OBTAINED FROM THE BUILDING AUTHORITY.
1.7 STRUCTURAL PLAN AND DRAINAGE PLAN TO BE SUBMITTED SEPARATELY.

2. F.S. NOTES

- 1.THE WHOLE OF THE FIRE SERVICES INSTALLATIONS SHALL COMPLY WITH THE CODES OF PRACTICE (2022EDITION) ISSUED BY THE HONG KONG FIRE SERVICES DEPARTMENT.
2.ALL LININGS FOR ACOUSTIC AND THERMAL INSULATION PURPOSES IN DUCTINGS AND CONCEALED LOCATIONS SHALL BE OF CLASS 1 OR 2 RATE OF SURFACE SPREAD OF FLAME AS PER BRITISH STANDARD 476: PART 7 OR ITS INTERNATIONAL EQUIVALENT OR BE BROUGHT UP TO THAT STANDARD BY USE ON APPROVED FIRE RETARDANT PRODUCT.
3.ALL LININGS FOR ACOUSTIC, THERMAL INSULATION AND DECORATIVE PURPOSES WITHIN PROTECTED MEANS OF ESCAPE SHALL BE OF CLASS 1 OR 2 RATE OF SURFACE SPREAD OF FLAME AS PER BRITISH STANDARD 476: PART 7 OR ITS INTERNATIONAL EQUIVALENT, OR BE BROUGHT UP TO THAT STANDARD BY USE OF AN APPROVED FIRE RETARDANT PRODUCT.
4.ANY INTENDED STORAGE OR USE OF DANGEROUS GOODS AS DEFINED IN CHAPTER 295 OR THE LAWS OF HONG KONG SHOULD BE NOTIFIED TO THE DIRECTOR OF FIRE SERVICES.
5.EMERGENCY LIGHTING SHALL BE PROVIDED THROUGHOUT THE ENTIRE BUILDING AND ALL EXIT ROUTES LEADING TO GROUND LEVEL AND COMPLY WITH BS STANDARD BS 5266-1:2016, BS EN STANDARD 1838:2013 AND FSD CIRCULAR LETTER 4/2021 AND TECHNICAL GUIDANCE FOR EMERGENCY LIGHTING (MAY 2021). EMERGENCY LIGHTING SHALL BE BACKED UP BY BATTERY.
6.SUFFICIENT DIRECTIONAL AND EXIT SIGNS TO ENSURE THAT ALL EXIT ROUTES FOR ENTIRE BUILDING ARE CLEARLY INDICATED AS REQUIRED BY THE CONFIGURATION OF STAIRCASE SERVING THE ENTIRE BUILDING. THE DIRECTIONAL AND EXIT SIGNS SHALL BE BACKED UP BY BATTERY.
7.MANUAL FIRE ALARM SYSTEM IN ACCORDANCE WITH BS5839-1:2017 (INCORPORATING CORRIGENDUM NO. 1) AND FSD CIRCULAR LETTER 6/2021 SHALL BE PROVIDED FOR EACH BUILDING AND INCORPORATED WITH FIRE HYDRANT/ HOSE REEL SYSTEM.
8.THE MANUAL FIRE ALARM SHALL BE CONNECTED TO THE AUTOMATIC FIRE ALARM SYSTEM AND BE LINKED TO FIRE SERVICES COMMUNICATIONS CENTRE BY A DIRECT TELEPHONE LINE.
9. THE MANUAL CALL POINT SHALL INCLUDE FACILITIES FOR FIRE PUMP START AND AUDIO ALARM BELL.
10.ONE ACTUATING POINT AND ONE AUDIO WARNING DEVICE TO BE LOCATED AT EACH HOSE REEL POINT. VISUAL ALARM SIGNALS SHALL BE PROVIDED WHERE NECESSARY IN ACCORDANCE WITH CURRENT DESIGN MANUAL BARRIER FREE ACCESS. THIS ACTUATING POINT SHALL INCLUDE FACILITIES FOR FIRE PUMP START AND AUDIO/ VISUAL WARNING DEVICE INITIATION.
11.VISUAL FIRE ALARM IN FORM OF FLASHING RED LIGHT WILL BE PROVIDED IN ACCORDANCE WITH DESIGN MANUAL: BARRIER FREE ACCESS 2008 & FSD CIRCULAR LETTER 2/2012 & 6/2021.
12.FIRE DETECTION WITH SMOKE DETECTORS IN ACCORDANCE WITH BS 5839-1:2017 (INCORPORATING CORRIGENDUM NO. 1) AND FSD CL 6/2021 SHALL BE PROVIDED FOR E&M PLANT ROOM. THE DETECTION SYSTEM SHALL BE LINKED TO THE FIRE SERVICES COMMUNICATIONS CENTRE (FSCC) VIA TELEPHONE LINK FOR ENTIRE DEVELOPMENT.
13. FIRE HYDRANT/ HOSE REEL SYSTEM (EACH SYSTEM FOR EACH BUILDING B1 TO B4, TOTAL 4 NOS. SYSTEM)
i. A FIRE HYDRANT AND HOSE REEL SYSTEM IN ACCORDANCE WITH THE CODE OF PRACTICE FOR MINIMUM FIRE SERVICES INSTALLATIONS AND EQUIPMENT 2022 EDITION SHALL BE PROVIDED FOR THE BUILDING.
ii. ONE FS WATER TANK OF CAPACITY 9,000 LITRES FOR EACH SYSTEM (BUILDING) WILL BE PROVIDED TO SUPPLY THE FH/HR SYSTEM.
iii. THE FIXED FIRE PUMPS (ONE DUTY AND ONE STANDBY) IN FS PUMP ROOM AT G/F FOR EACH SYSTEM (BUILDING) , POSITION AS INDICATED ON PLANS.
iv. F.S. INLETS, FH/HR ARE TO BE PROVIDED AT POSITIONS AS INDICATED ON THE DRAWINGS. AND FS INLETS SHALL BE INTERCONNECTED.
v. THERE SHALL BE SUFFICIENT HYDRANTS AND HOSE REELS ON EACH FLOOR. FIRE HYDRANTS SHALL BE PROVIDED ACCORDING TO FSD C/LS/2013 IN ALL APPROACH LOBBIES TO REQUIRED STAIRCASE OR REQUIRED STAIRCASE ENCLOSURES. HOSE REELS SHALL BE PROVIDED TO ENSURE THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30M OF HOSE REEL TUBING.
14. 4.5KG CO2 FIRE EXTINGUISHERS AND SAND BUCKET TO BE PROVIDED AT POSITION AS INDICATED ON PLANS.
15. WHEN A VENTILATION/ AIR CONDITIONING CONTROL SYSTEM TO A BUILDING IS PROVIDED, IT SHALL STOP MECHANICALLY INDUCED AIR MOVEMENT WITHIN A DESIGNATED FIRE COMPARTMENT IN CASE OF FIRE.
16. SECONDARY POWER SUPPLY WILL BE PROVIDED FROM " TEE-OFF " BEFORE MAIN SWITCH OF POWER SUPPLY EXCEPT EMERGENCY LIGHTING.
17. EMERGENCY FIREMEN'S SWITCH - A MANUAL EMERGENCY STOP DEVICE FOR ELECTRIC VEHICLE CHARGING FACILITIES SHALL BE PROVIDED AT FIREMAN SWITCH CABINET AS INDICATED ON PLAN AT GROUND FLOOR. IN ACCORDANCE WITH FSD COP (2022)
18. STANDARD F.S. REQUIREMENT FOR TRANSFORMER ROOM AND SWITCH ROOM TO BE COMPLIED WITH. OUTDOOR DRY TYPE TRANSFORMER WITH A TOTAL CAPACITY OF 1500 KVA TO BE HOUSED INSIDE THE TRANSFORMER ROOM.

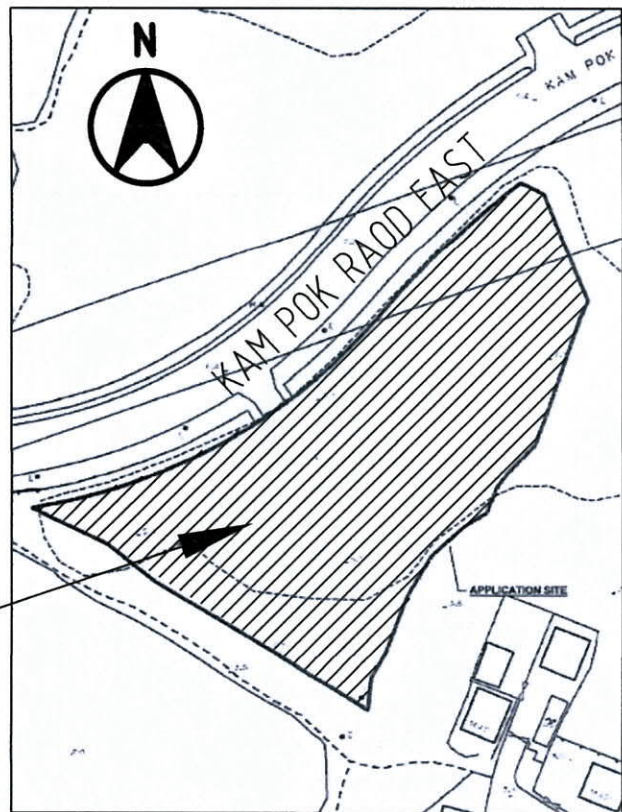
NOTES FOR T.D.

1. SUFFICIENT HEADROOM SHALL BE PROVIDED FOR THE 4 NOS. OF COVERED COACH PARKING SPACES.
2. THE EV CHARGING PROVISIONS SHALL FOLLOW THE "TECHNICAL GUIDELINES ON CHARGING FACILITIES FOR ELECTRIC VEHICLES" BY EMBD AND OTHER RELEVANT GUIDELINES ON THE PROVISIONS OF EV CHARGERS.
3. NO VEHICLE IS ALLOWED TO QUEUE BACK TO OR REVERSE ONTO/FROM PUBLIC ROAD AT ANY TIME DURING THE PLANNING APPROVAL PERIOD.

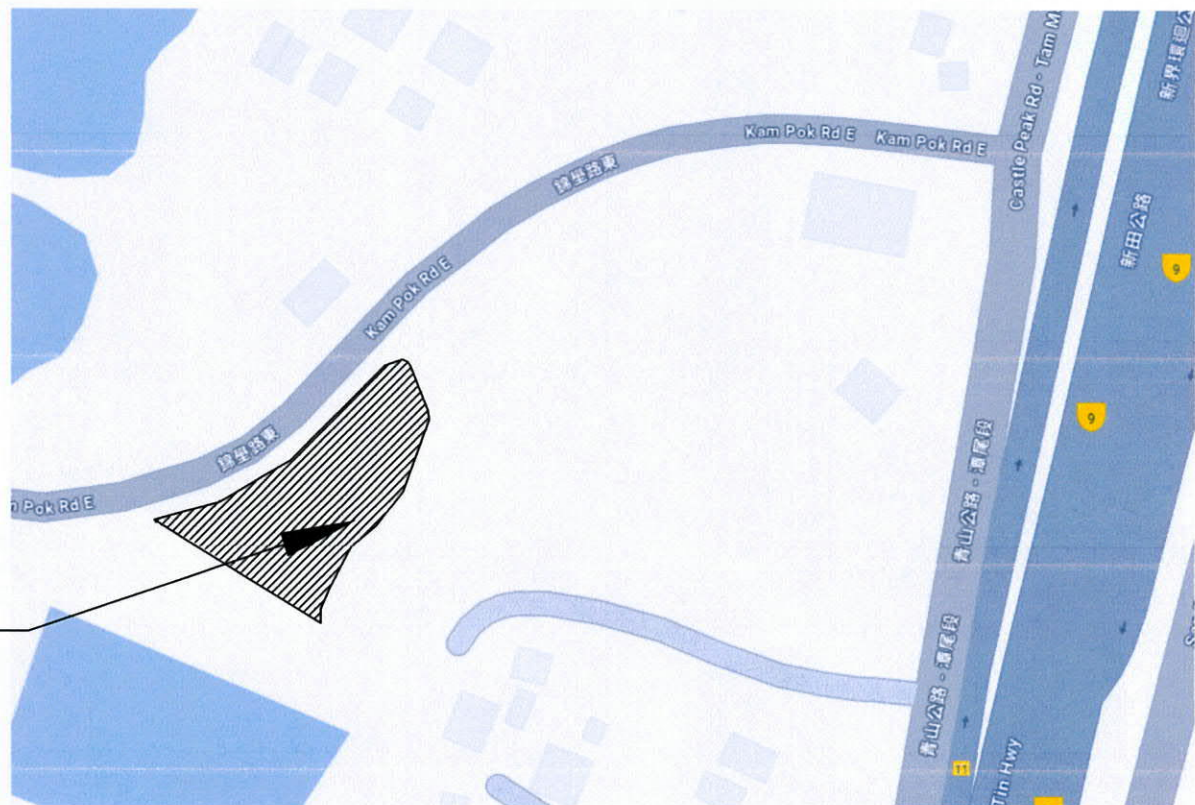
3. SYMBOL AND ABBREVIATIONS

+	EXISTING STREET LEVEL	NEW R.C. WALL / SLAB
⊕	STRUCTURAL LEVEL	
⋄	FINISHED LEVEL	
Ⓢ	WINDOW MARK	FRR FIRE RESISTING RATING
A.U.T.	ACCESSIBLE UNISEX TOILET	F.S. FIRE SERVICE
B.	BATH	FSD FIRE SERVICES DEPARTMENT
B.L.	BOUNDARY LINE	FSI FIRE SERVICE INLET
B(P)R	BUILDING (PLANNING) REGULATION	G.F.A GROSS FLOOR AREA
DN	DOWN	GRP GLASS REINFORCED POLYESTER
EX.	EXISTING	HR HOSE REEL
FE	FIRE EXTINGUISHER	LAV LAVATORY
		P PERSON
		R.C. REINFORCED CONCRETE
		RU RAMP UP
		UFA USABLE FLOOR AREA
		UFS USABLE FLOOR SPACE

6. BLOCK PLAN SCALE 1:1000



7. KEY PLAN SCALE 1:2500



4. INDICATIONS

	BRICK		GLASS		DRY WALL PARTITION
	METAL WORK		SANITARY FITTINGS		
	TIMBER DOORS		CONCRETE		

5. FIRE SERVICES INSTALLATION

FE	4.5 KG CO2 FIRE EXTINGUISHER
SB	SAND BUCKET
EXIT	EXIT SIGN
HLR	HOSE REEL

8. SCHEDULE

PROVISION OF SANITARY FITMENT

FLOOR	USE	PERMITTED DENSITY (M ² / PERSON)	USABLE FLOOR AREA (M ²)	CAPACITY OF EACH FLOOR	MALE : FEMALE	NO. OF MALE	NO. OF FEMALE	SANITARY FITMENT							
								W.C. PAN		BASIN		URINAL		BATH/SOWER	
								REQ.	PROD.	REQ.	PROD.	REQ.	PROD.	REQ.	PROD.
G/F	SECURITY ROOM	9	3,780	1	1 : 1	1	—	M: 1	M: 1*	M: 1	M: 1*	—	—	—	—
1/F	STORE ROOM	30	72,722 x 3 = 218,166	8	1 : 1	4	4	F: 1	F: 1*	F: 1	F: 1*	—	—	—	—

* ACCESSIBLE UNISEX TOILET TO BE PROVIDED

PROVISION OF FIRE RESISTANCE RATING AND FIRE COMPARTMENT LIMITATIONS

FLOOR	USE CLASSIFICATION	CLASS	COMPARTMENT AREA / VOLUME		F.R.R. REQUIRED (MINUTES)	MIN. DIMENSION OF ELEMENT									
						R.C. SLAB			R.C. BEAM			R.C. COLUMN		R.C. WALL	
			PERMITTED	ACTUAL		THICKNESS	COVER TO STEEL		WIDTH	COVER TO STEEL		MIN. OVERALL SIZE	COVER TO STEEL	THICKNESS	COVER TO STEEL
							S	C		S	C				
G/F	CAR PORT & SECURITY ROOM	—	NOT LIMITED	—	60	100	20	20	200	30	30	200	25	100	15
1/F	STORE ROOM	—	NOT LIMITED	—	60	100	20	20	200	30	30	200	25	100	15

* REINFORCEMENT CONSISTING OF EXPANDED METAL LATH OR A WIRE FABRIC NOT LIGHTER THAN 0.5KG/SQ.M. WITH 2mm DIAMETER WIRE AT NOT MORE THAN 100mm CENTERS OR A CONTINUOUS ARRANGEMENT OF LINKS AT NOT MORE THAN 200mm CENTRES SHOULD BE INCORPORATED IN THE CONCRETE COVER AT A DISTANCE NOT EXCEEDING 20mm FROM THE FACE.

SCHEDULE OF REQUIREMENT OF EXIT ROUTE & EXIT DOOR

FLOOR	USE	CAPACITY OF STOREYS (IN PERSONS)	MIN. NOS. OF EXIT ROUTE & EXIT DOOR		MIN. TOTAL WIDTH IN MM OF				MIN. WIDTH IN MM EACH			
			REQ'D	PRO'D	EXIT DOOR REQ'D	EXIT ROUTE REQ'D	EXIT DOOR PRO'D	EXIT ROUTE PRO'D	EXIT DOOR REQ'D	EXIT ROUTE REQ'D	EXIT DOOR PRO'D	EXIT ROUTE PRO'D
G/F	SECURITY ROOM	1	—	1	—	900	—	1050	—	900	—	1050
1/F	STORE ROOM	3	—	1	—	900	—	1050	—	900	—	1050

WINDOW AREA CALCULATION

FLOOR	USE	UFA (M ²)	REQ. OPENABLE WINDOW AREA (M ²)	PROVIDED OPENABLE WINDOW AREA (M ²)
G/F	SECURITY ROOM	3,780	3,780/10 = 0.378	1m x 0.6m x 70% = 0.420 > 0.378
G/F	ACCESSIBLE UNISEX TOILET 1	3.570	3.570/10 = 0.357	1m x 0.6m x 70% = 0.420 > 0.357
G/F	ACCESSIBLE UNISEX TOILET 2	3.570	3.570/10 = 0.357	1m x 0.6m x 70% = 0.420 > 0.357

PROVISION OF MEANS OF ESCAPE IN CASE OF FIRE

BUILDING	FLOOR	NUMBER OF STOREYS SERVED	TYPE OF STAIRCASE	WIDTH OF STAIRCASE	REDUCTION FACTOR	PERMITTED DISCHARGE VALUE	PROPOSED DISCHARGE VALUE
STORE	G/F - 1/F	1	NON-SPRINKLERED	1050	—	210	6

SITE COORDINATE

BOUNDARY POINT	NORTHING (m)	EASTING (m)
A	836550.671	823528.995
B	836548.469	823533.716
C	836550.533	823543.238
D	836538.752	823515.906
K	836523.600	823542.300
L	836518.408	823540.002
M	836533.759	823509.987
Q	836517.095	823495.704
R	836497.235	823532.355
S	836496.255	823531.970
T	836490.374	823526.372
U	836487.306	823524.144
V	836482.210	823522.266
W	836503.717	823479.529
X	836505.483	823481.855
Y	836508.340	823485.365
AE	836479.640	823518.231
AF	836479.375	823517.816
AG	836473.238	823511.218
AH	836495.381	823466.460
AJ	836498.442	823471.906
AK	836501.764	823476.839
AP	836465.048	823506.420
AQ	836458.199	823503.894
AR	836488.350	823450.761
AS	836492.030	823459.595
BA	836488.350	823450.761
BB	836458.199	823503.894
BC	836453.017	823501.965
BD	836482.210	823499.122
BE	836441.595	823498.390
BF	836467.738	823455.561
BG	836475.401	823445.931
BH	836483.074	823430.363
BJ	836485.528	823441.660

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS ON SITE.

BD REF : 2/9007/24

FSD REF :

BD'S COPY

WONG SHING TSANG
Authorized Person (Engineer)
Hong Kong Professional Engineer
No. 12/00

Note: This plan has been processed on a curtailed check basis under the centralized processing system as promulgated in PNAP ADM-19. The duties of the authorized person, registered structural engineer and/or registered geotechnical engineer concerned are 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.

Plan approved
CHENG Hang-on, Colin
Chief Building Surveyor
for BUILDING AUTHORITY
15 JUL 2024

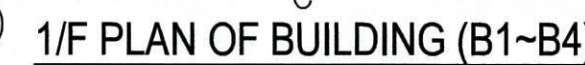
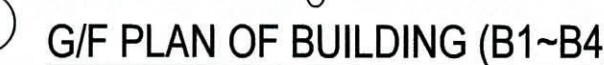
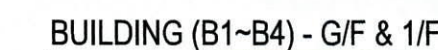
REV	DESCRIPTION	DATE	BY	CHK'D	APP
	STW S.T. WONG & PARTNERS LIMITED CONSULTING ENGINEERS				
	E&M CONSULTANT W WEC Engineering Consultants (International) Limited				
PROJECT PROPOSED TEMPORARY PUBLIC VEHICLE PARK WITH ANCILLARY ELECTRIC VEHICLE CHARGING FACILITY AND OFFICE AT POK WAI, YUEN LONG, NT —LOTS 3669 s.A ss.2, 3669 s.B ss.1, 3670 R.P. (PART), 3671 s.A, 3672 s.A, 3673 s.A & 3674 R.P. IN DD104					
PROJECT No. P530-24					
DRAWING TITLE NOTES, BLOCK PLAN & SCHEDULES					
SCALE AT A1	DESIGNED	DRAWN	CHECKED	APPROVED	
AS SHOWN	DATE	DATE FEB. 2024	DATE	DATE	
DRAWING No. GP-01					REV.

NO. OF PRIVATE CAR AND TAXI : 38
PARKING SPACE WITH EV CHARGER : 38
(INCLUDING 2 ACCESSIBLE PARKING SPACE)
DIMENSION OF PARKING SPACE : 5m(L) x 2.5m(W)

NO. OF LIGHT GOODS VEHICLE : 16
PARKING SPACE WITH EV CHARGER : 16
DIMENSION OF PARKING SPACE : 7m(L) x 3.5m(W)

NO. OF COACH : 11
PARKING SPACE WITH EV CHARGER : 11
DIMENSION OF PARKING SPACE : 12m(L) x 3.5m(W)

9



BUILDING B1~B4 (EACH)

SECURITY ROOM & ACCESSIBLE UNISEX TOILETS

SITE COVERAGE CALCULATION

4 NOS. FS WATER TANK (EACH)
2.000 x 5.000 = 10.000 SQ.M.



1:100

SITE AREA:	4,736 m ²
BUILDING HEIGHT:	3.5m-8m
SITE CLASSIFICATION:	A
PERMITTED SITE COVERAGE:	11%
COVERED AREA :	$96.000\text{m}^2 \times 4 + 15.000\text{m}^2 + 62.273\text{m}^2 + 10.000\text{m}^2 \times 4 = 501.273\text{m}^2$
UNCOVERED AREA :	$4,736\text{m}^2 - 501.273\text{m}^2 = 4,234.727\text{m}^2$
ACTUAL SITE COVERAGE :	$501.273\text{m}^2 / 4,736\text{m}^2 = 10.584\% < 11\%$
DOMESTIC G.F.A. :	NOT APPLICABLE
PERMITTED NON-DOMESTIC G.F.A.:	918.000m ²
TOTAL NON-DOMESTIC G.F.A:	$192.000\text{m}^2 \times 4 + 15.000\text{m}^2 + 62.273\text{m}^2 = 845.273\text{m}^2 < 918.000\text{m}^2$
PERMITTED NON-DOMESTIC PLOT RATIO:	0.19
ACTUAL NON-DOMESTIC PLOT RATIO:	$845.273\text{m}^2 / 4,736\text{m}^2 = 0.178 < 0.19$

Note: This plan has been processed on curtailed check basis under the centralized processing system as promulgated in PNAD-ADM-19. 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 report.

Plan Approved

CHENG Hang-on, Colin
Chief Building Surveyor
for BUILDING AUTHORITY

15 JUL 2024

WONG SHING TSAN
Authorized Person (Engine)
BEng CEng MHKIE RPE
AP (E) 12/00

SITE AREA:	4,736 m ²
BUILDING HEIGHT:	3.5m-8m
ZONING::	VILLAGE TYPE DEVELOPMENT
USE:	PUBLIC VEHICLE PARK
MAXIMUM BUILDING HEIGHT:	8.23m (3 STOREY)
ACTUAL BUILDING HEIGHT:	8.00m (2 STOREY)

SITE AREA:	4,736 m ²
BUILDING HEIGHT:	3.5m-8m
ZONING::	VILLAGE TYPE DEVELOPMENT
USE:	PUBLIC VEHICLE PARK
MAXIMUM BUILDING HEIGHT:	8.23m (3 STOREY)
ACTUAL BUILDING HEIGHT:	8.00m (2 STOREY)

DO NOT SCALE DRAWINGS, VERIFY ALL DIMENSIONS ON SITE.

BD REF : 2/9007/24

FSD REF :

PART PLAN FOR SECURITY ROOM

1:100

R/F PLAN OF BUILDING (B1-B4)

1:150

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ntralized
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AP & RSE

S.T. WONG & PARTNERS LIMITED
CONSULTING ENGINEERS

E&M CONSULTANT

WEC Engineering Consultants
(International) Limited

PROJECT

PROPOSED TEMPORARY PUBLIC VEHICLE PARK WITH ANCILLARY ELECTRICAL
VEHICLE CHARGING FACILITY AND OFFICE AT POK WAI, YUEN LONG, NT
- LOTS 3669 s.A ss.2, 3669 s.B ss.1, 3670 R.P. (PART), 3671 s.A
3672 s.A, 3673 s.A & 3674 R.P. IN DD104

PROJECT No.

P530-24

DRAWING TITLE

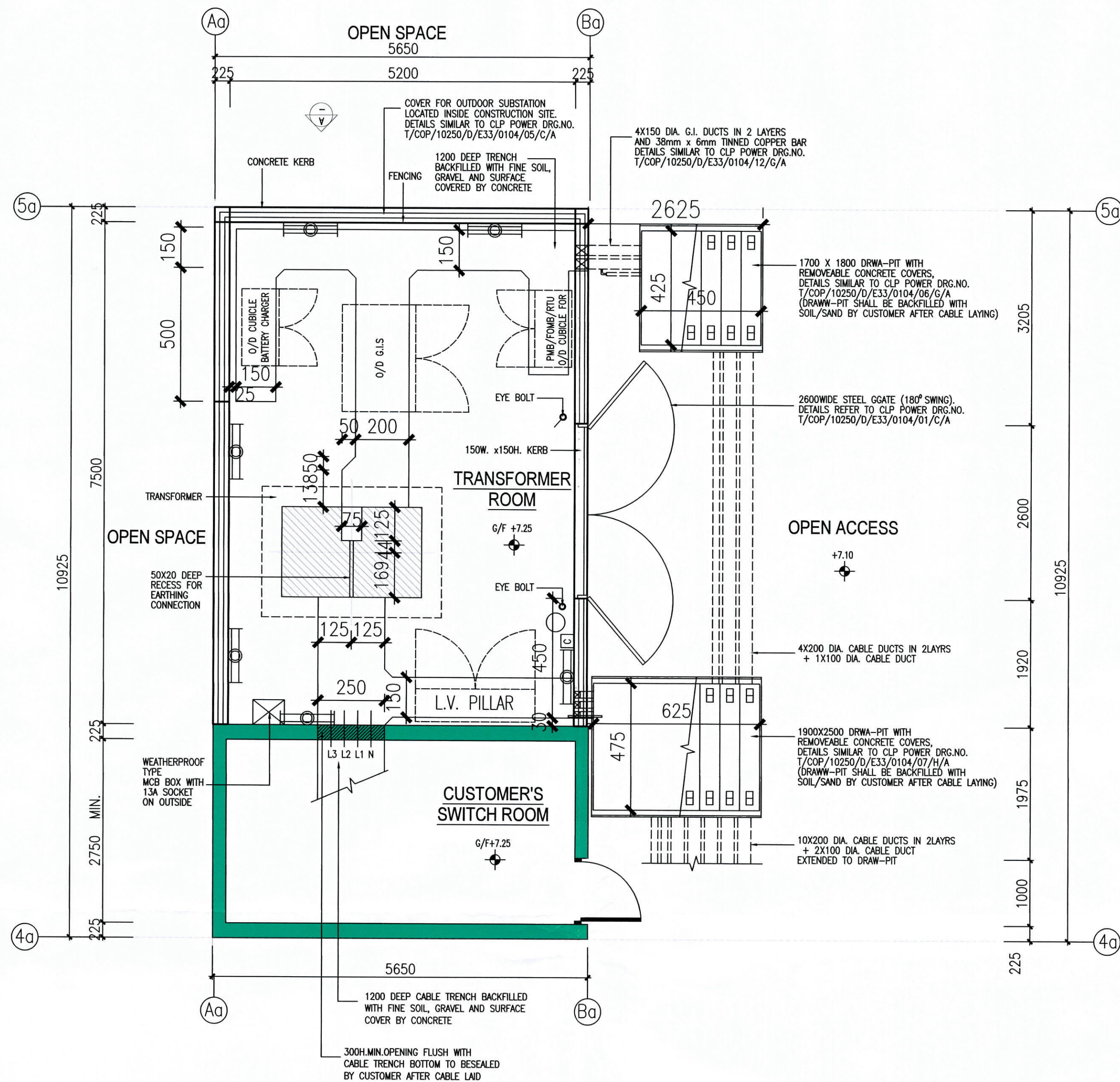
MASTER LAYOUT PLAN,
CALCULATIONS & PART PLANS

SCALE AT A1	DESIGNED JL	DRAWN JL	CHECKED JL	APPROVED ST
AS SHOWN	DATE JUN 2024	DATE JUN 2024	DATE JUN 2024	DATE JUN 2024

PROJECT No.

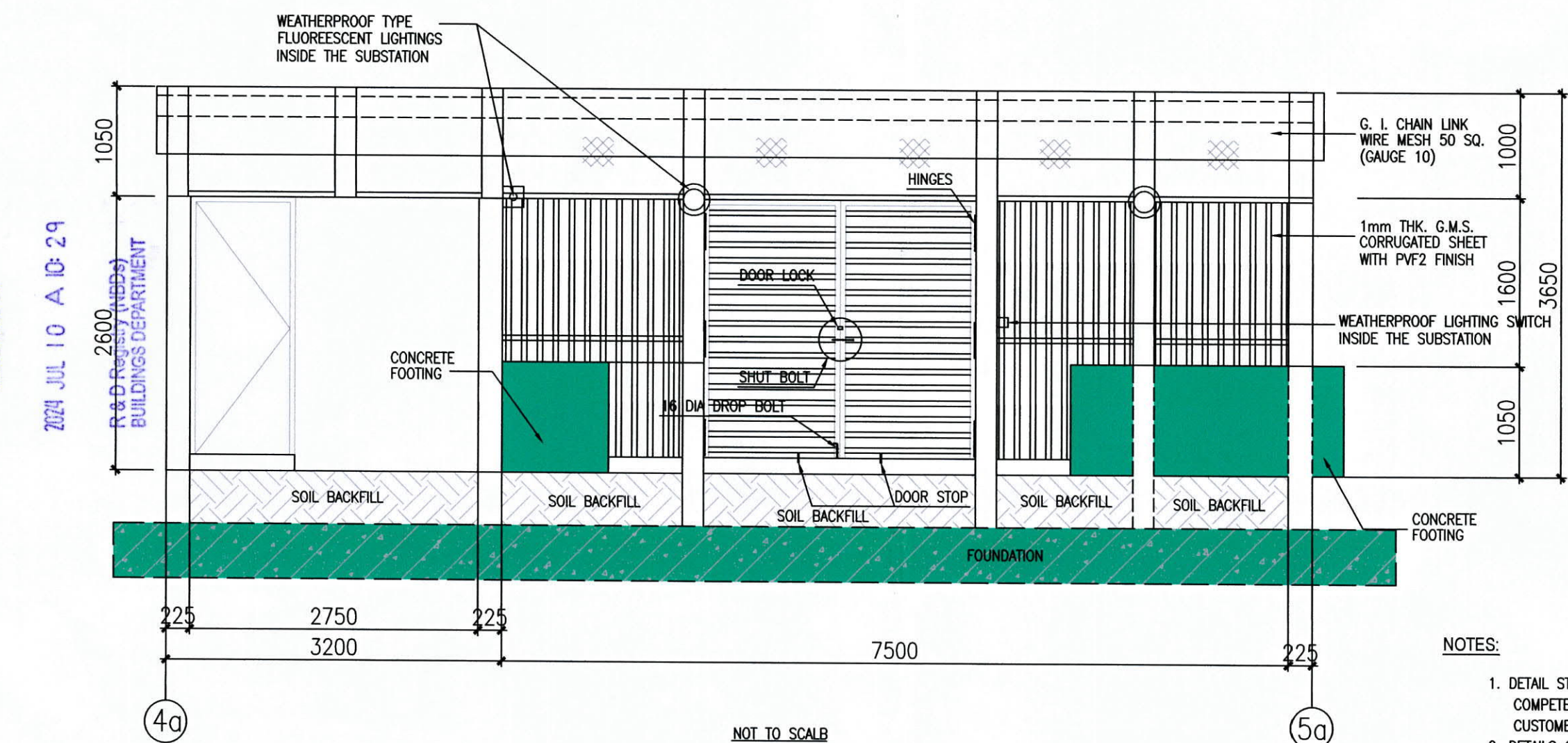
GP-02

REV.



TX ROOM & CUSTOMER'S SWITCH ROOM G/F LAYOUT PLAN 1:50

LEGEND: WEATHERPROOF FLUORESCENT LAMPS
 WEATHERPROOF LIGHTING SWITCH

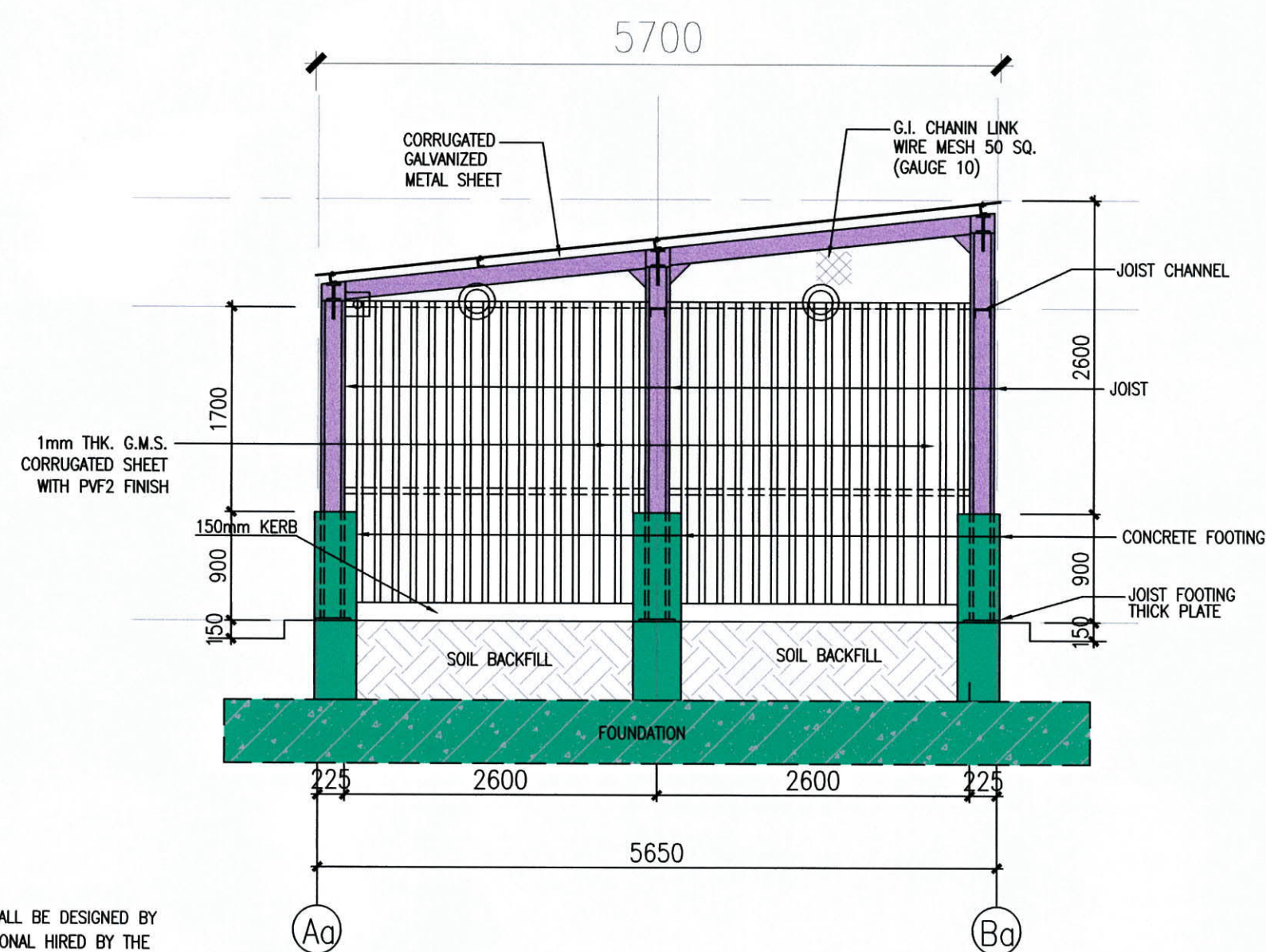


FRONT VIEW 1:50

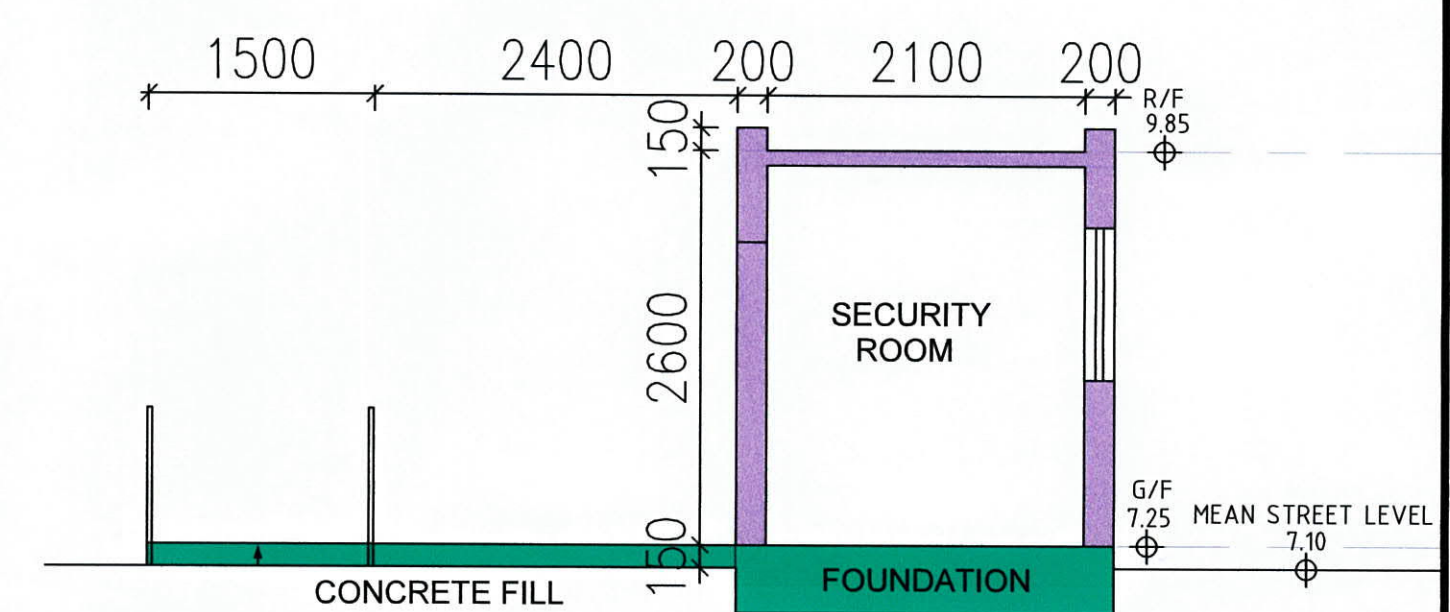
- NOTES:
1. DETAIL STRUCTURE SHALL BE DESIGNED BY COMPETENT PROFESSIONAL HIRED BY THE CUSTOMER/DEVELOPER
 2. DETAILS OF METAL GATE, DRAIN PIPE, EARTHING BAR ARRANGEMENT REFER TO DRG.NO. T-COP-10250-D-E33-0104-01
 3. SUPPORTING METAL STRUCTURE SHALL BE APPLIED WITH ANTI-RUST PAINTING.
 4. FLUORESCENT LIGHTINGS (WEATHERPROOF TYPE) SHALL BE INSTALLED INSIDE THE SUBSTATION



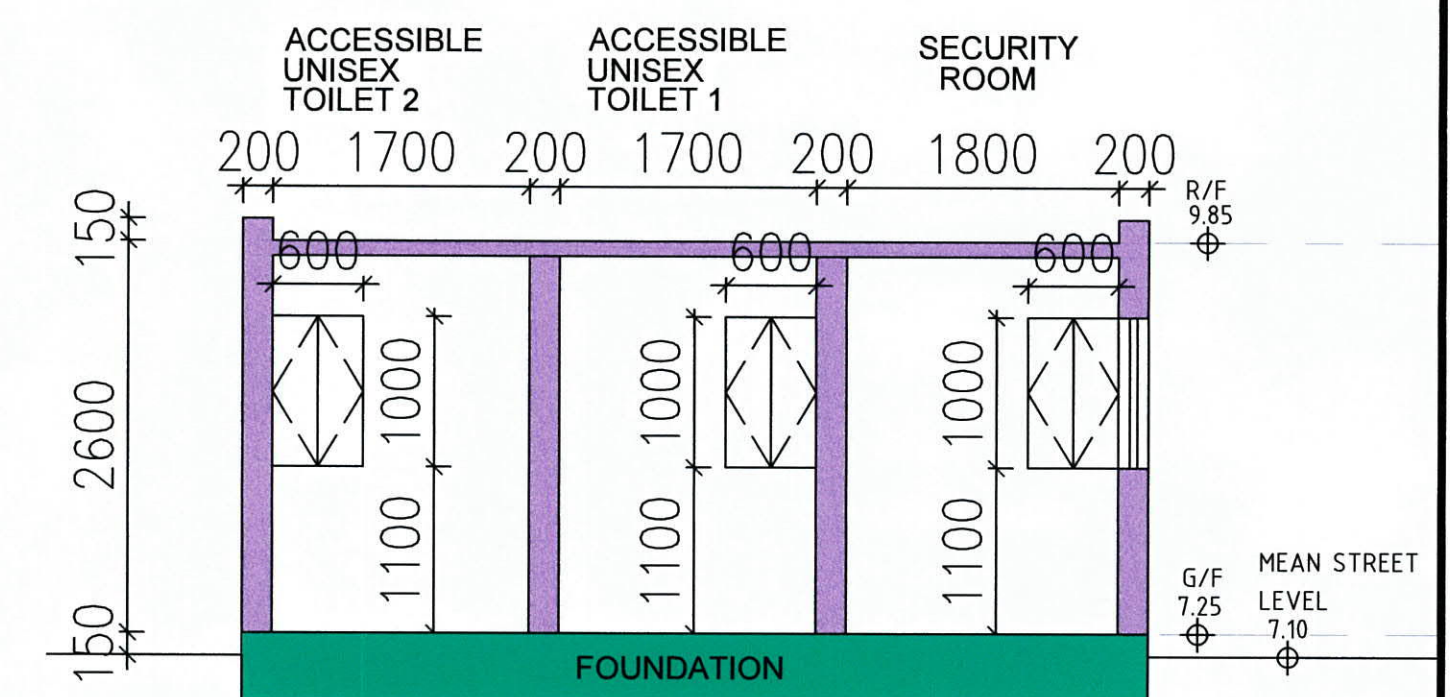
TX ROOM & CUSTOMER'S SWITCH ROOM R/F LAYOUT PLAN 1:50



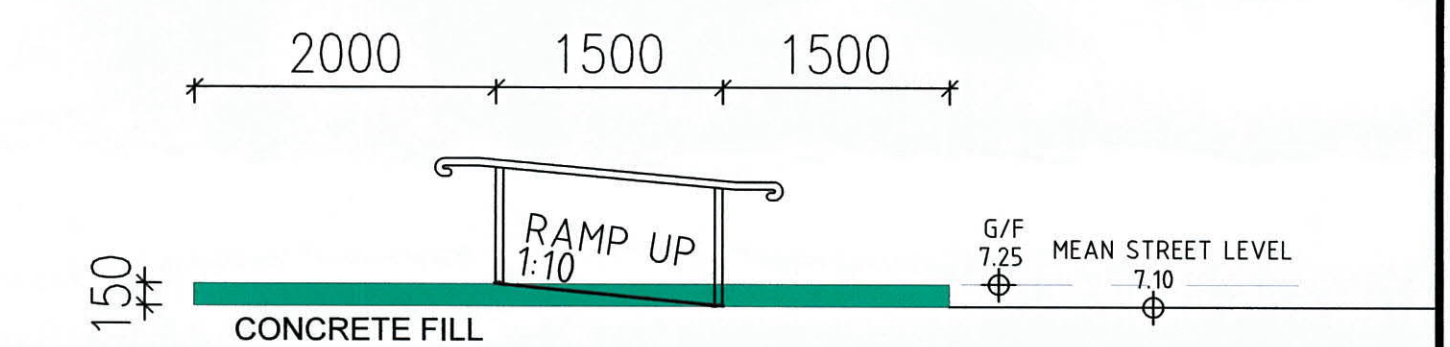
ELEVATION A 1:50



SECTION A-A 1:50



SECTION B-B 1:50



SECTION C-C 1:50

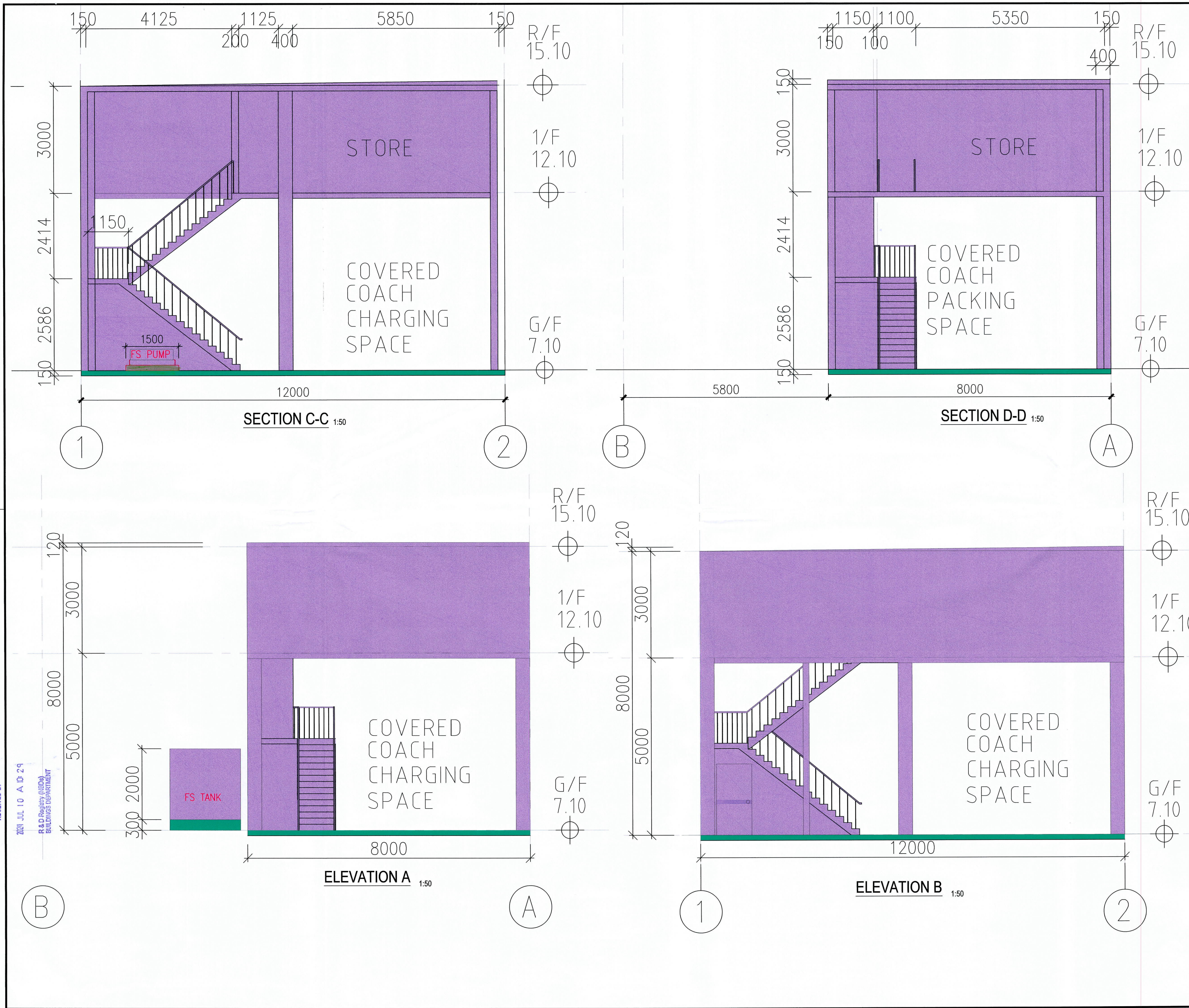
Note: This plan has been processed on a curtailed check basis under the centralized processing system as promulgated in PNAP ADM-19. The duties of the authorized person, registered structural engineer and/or registered geotechnical engineer concerned as specified under section 4(2)(b) and the provision of section 14(2)(c) of the Buildings Ordinance are of particular relevance in this regard.

Plan Approved

CHENG Hing Tsang, Colin
Chief Building Surveyor
for BUILDING AUTHORITY
15 JUL 2024

WONG SHING TSANG
Authorized Person (Engineer)
BEng (Eng) HKIE RPE
AP 16/12/00

REV	DESCRIPTION	DATE	BY	CHK'D	APP
AP & RSE	S.T. WONG & PARTNERS LIMITED CONSULTING ENGINEERS				
E&M CONSULTANT	WEC Engineering Consultants (International) Limited				
PROJECT	PROPOSED TEMPORARY PUBLIC VEHICLE PARK WITH ANCILLARY ELECTRIC VEHICLE CHARGING FACILITY AND OFFICE AT POK WAI, YUEN LONG, NT - LOTS 3669 s.A ss.2, 3669 s.B ss.1, 3670 R.P. (PART), 3671 s.A, 3672 s.A, 3673 s.A & 3674 R.P. IN DD104				
PROJECT No.	P530-24				
DRAWING TITLE	TX ROOM LAYOUT PLANS, ELEVATIONS, SECTIONS				
SCALE AT A1	DESIGNED JL	DRAWN JL	CHECKED JL	APPROVED ST	
AS SHOWN	DATE JUN 2024	DATE JUN 2024	DATE JUN 2024	DATE JUN 2024	
DRAWING No.	GP-03				

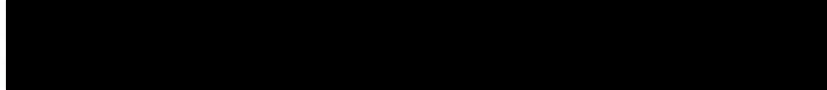


DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS ON SITE.	
BD REF :	2/9007/24
FSD REF :	

Note: This plan has been processed on a curtailed check basis under the centralized processing system as promulgated in PNAP ADM-19. 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.

Plan Approved
CHENG Hang-on, Colin
Chief Building Surveyor
for BUILDING AUTHORITY
15 JUL 2024

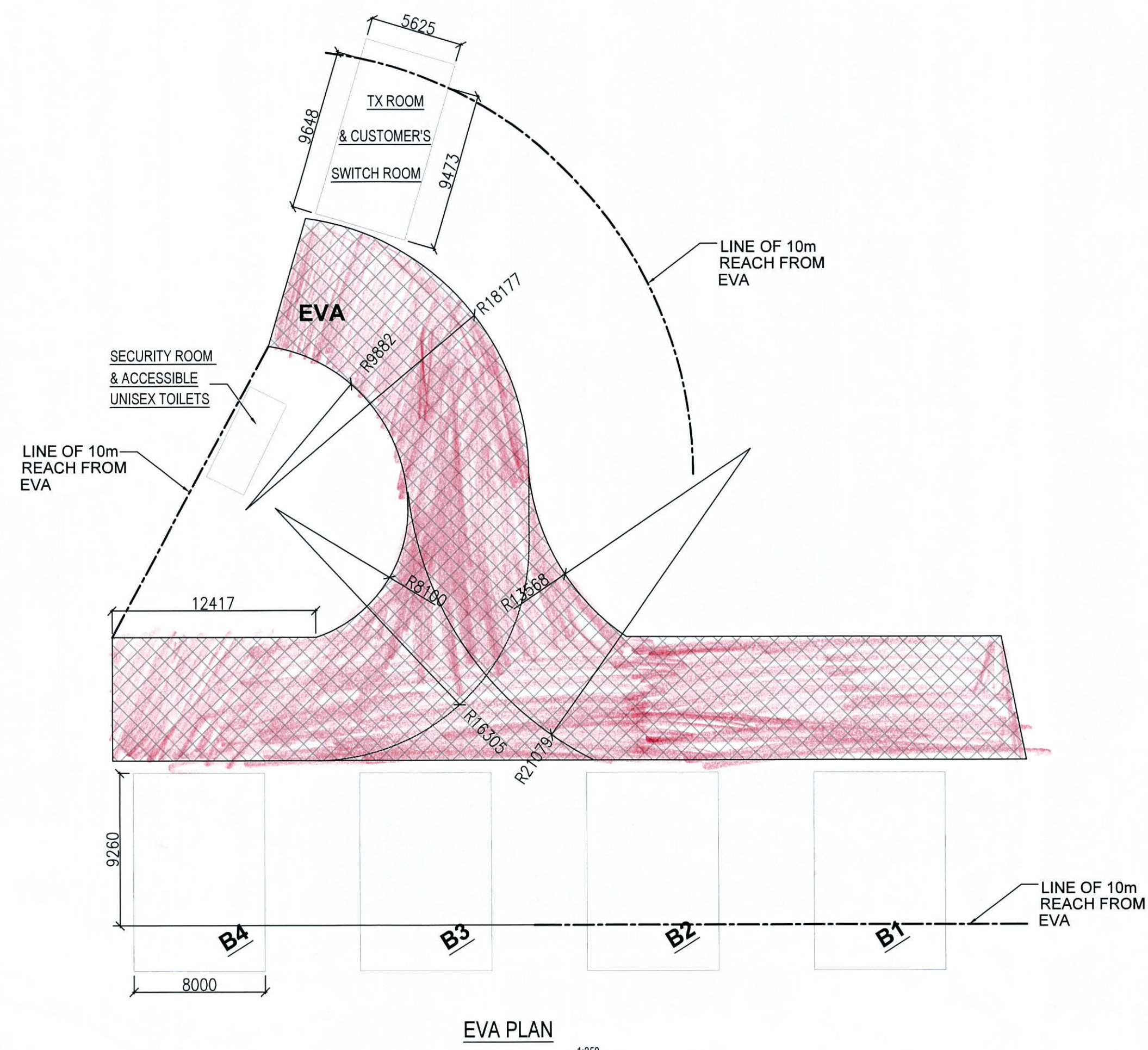
WONG SHING TSANG
Authorized Person (Engineer)
B Eng CEng M HKIE RPE
A/P (E) 12/00

REV	DESCRIPTION	DATE	BY	CHK'D	APP
AP & RSE					
		S.T. WONG & PARTNERS LIMITED CONSULTING ENGINEERS			
					
E&M CONSULTANT					
		WEC Engineering Consultants (International) Limited			
					
PROJECT					
PROPOSED TEMPORARY PUBLIC VEHICLE PARK WITH ANCILLARY ELECTRIC VEHICLE CHARGING FACILITY AND OFFICE AT POK WAI, YUEN LONG, NT - LOTS 3669 s.A ss.2, 3669 s.B ss.1, 3670 R.P. (PART), 3671 s.A, 3672 s.A, 3673 s.A & 3674 R.P. IN DD104					
PROJECT No. P530-24					
DRAWING TITLE					
ELEVATIONS & SECTIONS					
SCALE AT A1	DESIGNED JL	DRAWN JL	CHECKED JL	APPROVED ST	
AS SHOWN	DATE JUN 2024	DATE JUN 2024	DATE JUN 2024	DATE JUN 2024	
DRAWING No.				REV.	
GP-04				-	

RECEIVED BY
2024 JUL 10 A 10:29
R&D Registry (1839g)
BUILDINGS DEPARTMENT

BD REF : 2/9007/24

FSD REF :

**EVA CALCULATION:**

BUILDING B1 (B2 & B3 SIMILAR)

PERIMETER: 42.000M

REQUIRED LENGTH: 10.500M

PROVIDED LENGTH: $8.000 + 9.260 \times 2$
 $= 26.520M > 10.500M$

BUILDING

(SECURITY ROOM & ACCESSIBLE UNISEX TOILETS)

PERIMETER: 17.000M

REQUIRED LENGTH: 4.250M

PROVIDED LENGTH: 17.000M > 4.250M

BUILDING (TX ROOM & CUSTOMER'S SWITCH ROOM))

PERIMETER: 33.250M

REQUIRED LENGTH: 8.313M

PROVIDED LENGTH: $9.648 + 5.625 + 9.473$
 $= 24.746M > 8.388M$

BUILDING B4

PERIMETER: 42.000M

REQUIRED LENGTH: 10.500M

PROVIDED LENGTH: $8.000 + 9.260$
 $= 17.260M > 10.500M$

Note: This plan has been processed on a curtailed check basis under the centralized processing system as promulgated in PNAP ADM-16. 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.

NOTES FOR EVA:

- 1) EVA SHOULD BE HARD-PAVED, NOT LESS THAN 7.3m WIDE AND WELL DEMARCATED ON SITE.
- 2) IF THERE IS ANY OVERHEAD STRUCTURE OVER ANY PART OF THE EVA, A CLEAR HEADROOM OF NOT LESS THAN 4.5m SHOULD BE MAINTAINED.
- 3) THE GRADIENT OF THE EVA SHOULD NOT BE STEEPER THAN 1 IN 10.
- 4) THE EVA SHOULD ALLOW SAFE AND UNOBSTRUCTED ACCESS AND SAFE OPERATION OF A FIRE APPLIANCE HAVING THE FOLLOWING SPECIFICATIONS:
GROSS WEIGHT 30,000 kg
TURNING CIRCLE 26m
LENGTH 12m
TURNING SPACE FOR FIRE APPLIANCES SHOULD BE PROVIDED AT ALL DEAD-END EVA.

Plan Approved
CHENG Hang-on, Colin
Chief Building Surveyor
for BUILDING AUTHORITY
15 JUL 2024

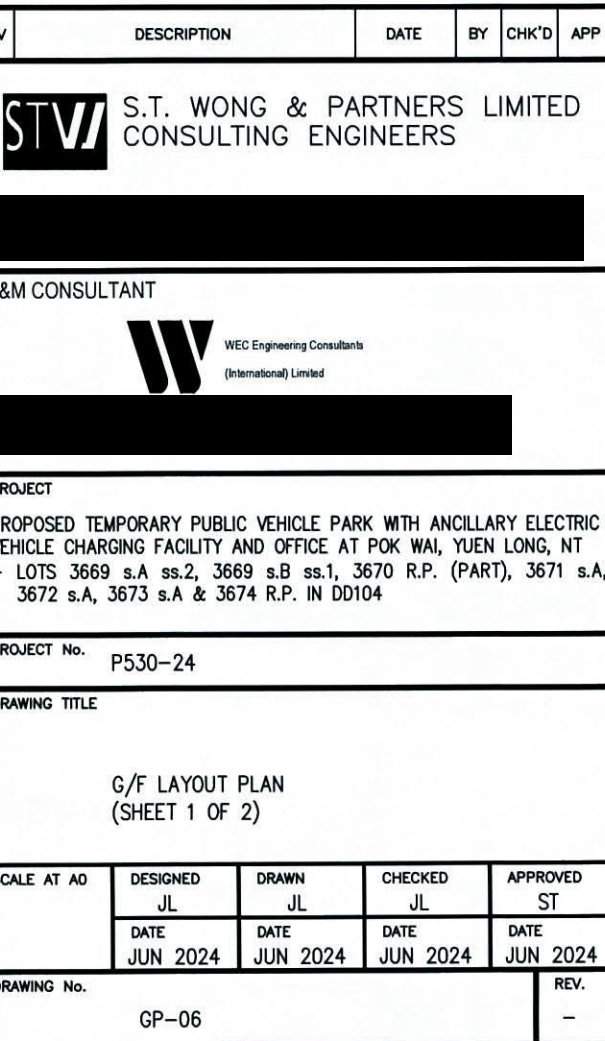
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2024 JUL 10 A 03:29

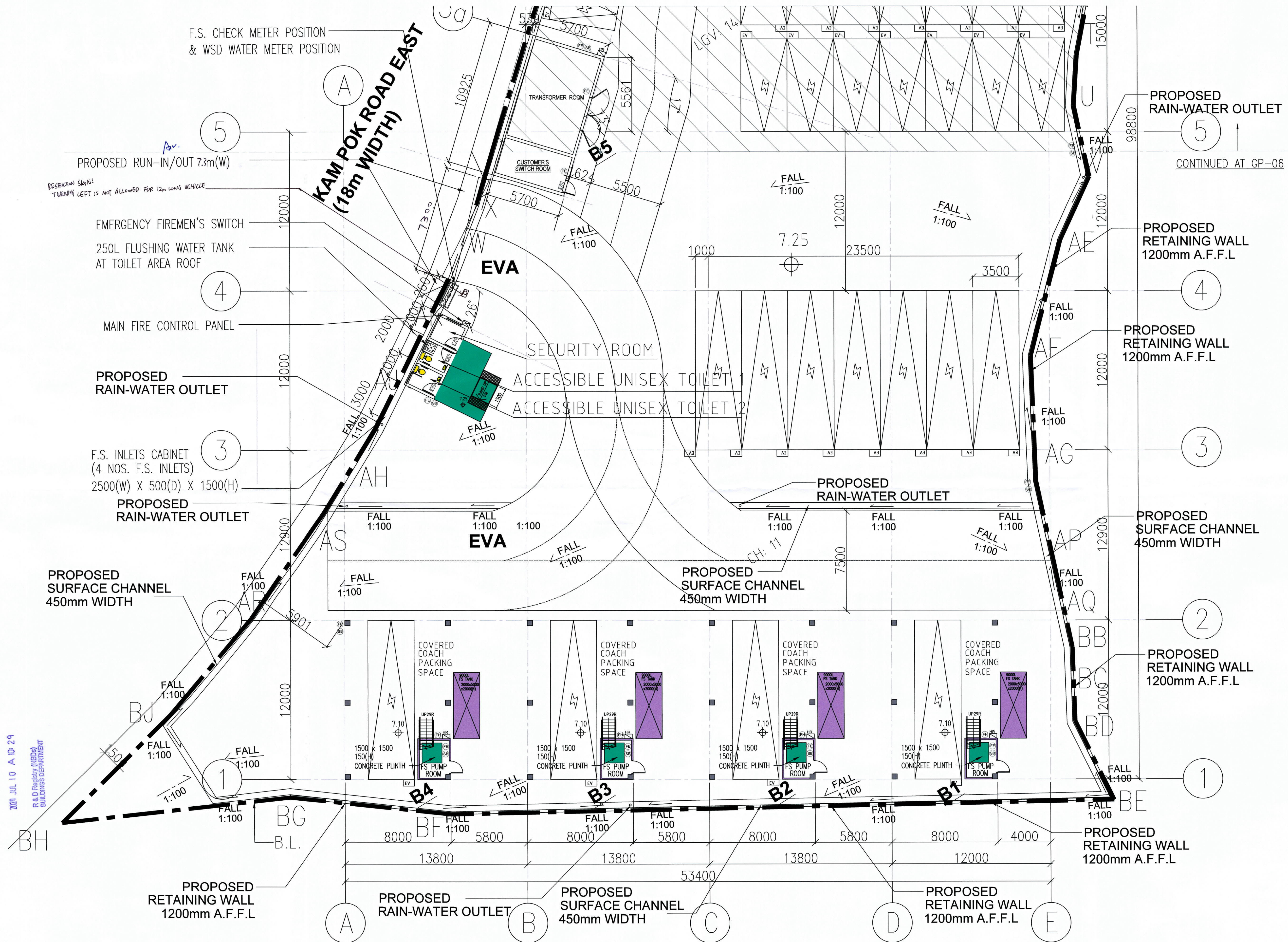
R & D Facility (NBD)
BUILDINGS DEPARTMENT

WONG SHING TSANG
Authorized Person (Engineer)
Reg. CEng MHKIE RPE
AP (E) 1200

REV	DESCRIPTION	DATE	BY	CHK'D	APP
AP & RSE	S.T. WONG & PARTNERS LIMITED CONSULTING ENGINEERS				
E&M CONSULTANT	WEC Engineering Consultants (International) Limited				
PROJECT	PROPOSED TEMPORARY PUBLIC VEHICLE PARK WITH ANCILLARY ELECTRIC VEHICLE CHARGING FACILITY AND OFFICE AT POK WAI, YUEN LONG, NT - LOTS 3669 s.A ss.2, 3669 s.B ss.1, 3670 R.P. (PART), 3671 s.A, 3672 s.A, 3673 s.A & 3674 R.P. IN DD104				
PROJECT No.	P530-24				
DRAWING TITLE	EVA PLANS & CALCULATIONS				
SCALE AT A1	DESIGNED JL	DRAWN JL	CHECKED JL	APPROVED ST	
AS SHOWN	DATE JUN 2024	DATE JUN 2024	DATE JUN 2024	DATE JUN 2024	
DRAWING No.	GP-05				



PROPOSED RUN-IN/OUT 7.3m(W)



Note: This plan has been processed on a curtailed check basis under the centralized processing system as promulgated in PNAP ADM-19. 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.

Plan Approved
CHENG Hing-on, Colin
Chief Building Surveyor
for BUILDING AUTHORITY
15 JUL 2024

WONG SHING TSANG
Authorized Person (Engineer)
RECEIVED CHENG HINGKIE RPE
AF (E) 12/00

REV	DESCRIPTION	DATE	BY	CHK'D	APP
 S.T. WONG & PARTNERS LIMITED CONSULTING ENGINEERS					
E&M CONSULTANT					
 WCC Engineering Consultants (Incorporated in) Limited					
PROJECT					
PROPOSED TEMPORARY PUBLIC VEHICLE PARK WITH ANCILLARY ELECTRIC VEHICLE CHARGING FACILITY AND OFFICE AT POK WAI, YUEN LONG, NT - LOTS 3669 s.A. s.s.2, 3669 s.B s.s.1, 3670 R.P. (PART), 3671 s.A 3672 s.A, 3673 s.A & 3674 R.P. IN D0104					
PROJECT No. P530-24					
DRAWING TITLE					
G/F LAYOUT PLAN (SHEET 2 OF 2)					
SCALE AT A0	DESIGNED JL DATE JUN 2024	DRAWN JL DATE JUN 2024	CHECKED JL DATE JUN 2024	APPROVED ST DATE JUN 2024	
DRAWING No. GP-07					REV.

G/F LAYOUT PLAN (1:100)