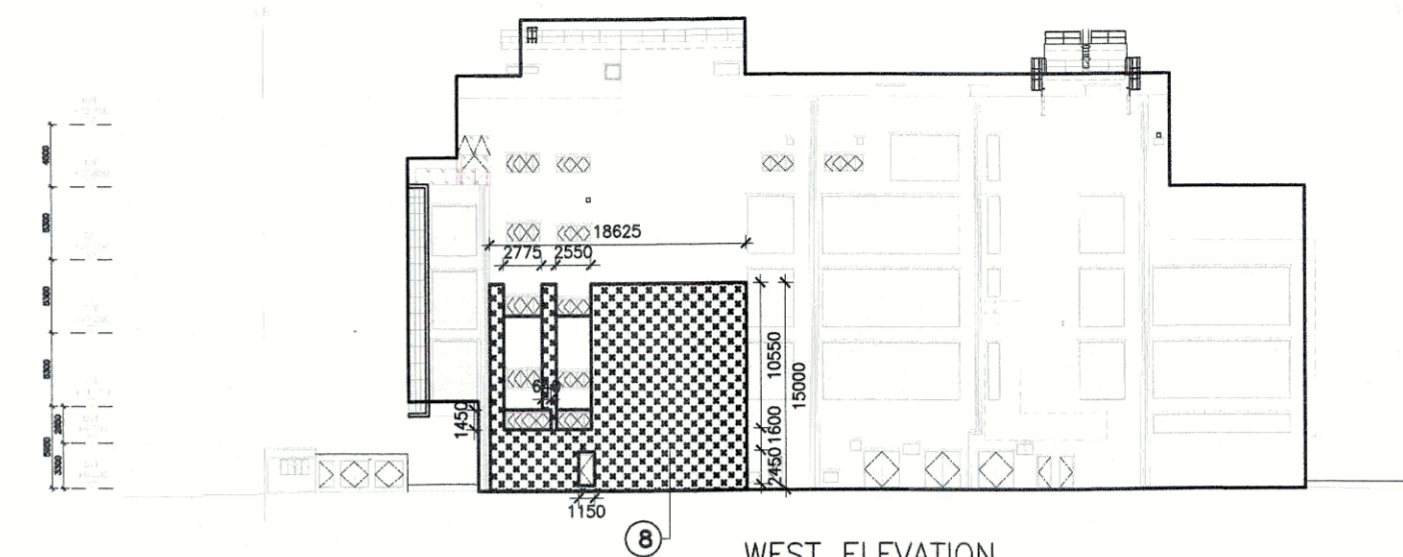
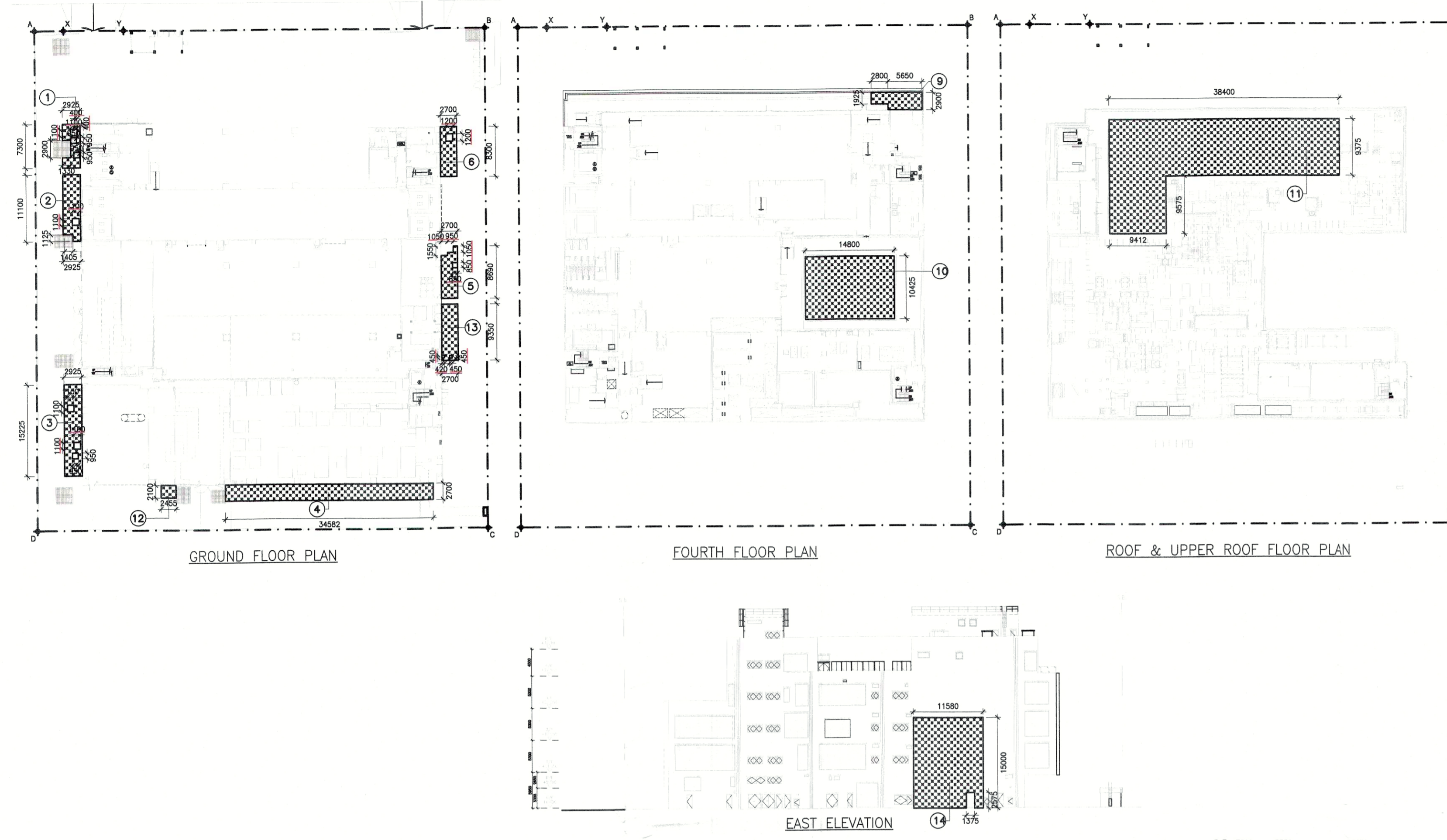


GREEN AREA CALCULATION:



GREEN AREA REQUIREMENT:

SITE AREA = 6,232.500 m²
 MIN. SITE COVERAGE OF GREENERY OVERALL = 20% x 6,232.500 m² = 1,246.500 m²
 MIN. SITE COVERAGE OF GREENERY AT PRIMARY ZONE = 10% x 6,232.500 m² = 623.250 m²

SUMMATION OF GREENING FEATURES ACCEPTED TO CONTRIBUTE NOT MORE THAN 30% OF TOTAL ROAD GREENERY AREA:

VERTICAL GREENING AT PRIMARY ZONE = 30% x 1,246.500 m² = 373.950 m²

GREEN AREA CALCULATION:

PRIMARY ZONE:

①	(2,925 m x 7,300 m) = 21,367.50 m ²
②	(2,700 m x 8,960 m) = 24,192.00 m ²
③	(2,925 m x 11,100 m) = 32,478.75 m ²
④	(2,700 m x 34,582 m) = 93,371.40 m ²
⑤	(2,700 m x 8,960 m) = 24,192.00 m ²
⑥	(2,700 m x 8,300 m) = 22,410.00 m ²
⑦	(2,700 m x 1,200 m) = 3,240.00 m ²
⑧	(2,700 m x 2,455 m) = 6,628.50 m ²
⑨	(2,700 m x 9,350 m) = 25,245.00 m ²
⑩	(2,700 m x 9,350 m) = 25,245.00 m ²
⑪	(2,700 m x 9,350 m) = 25,245.00 m ²
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㊾	(2,700 m x 9,350 m) = 25,245.00 m ²
㊿	(2,700 m x 9,350 m) = 25,245.00 m ²
TOTAL	250,488 m ²

VERTICAL GREENING AT PRIMARY ZONE NOT CONTRIBUTING MORE THAN 30% OF TOTAL GREENERY AREA:

①	(18,825m x 15,000m) - (10,550m x 2,775m) = 273,112.50 m ²
②	(10,550m x 2,550m) - (1,150m x 2,450m) = 21,945 m ²
③	(8,640 x 1,450) = 12,528 m ²
④	(11,580m x 15,000m) - (1,375m x 2,575m) = 170,159 m ²
TOTAL	389,610 m ² (> 373,950 m ²)

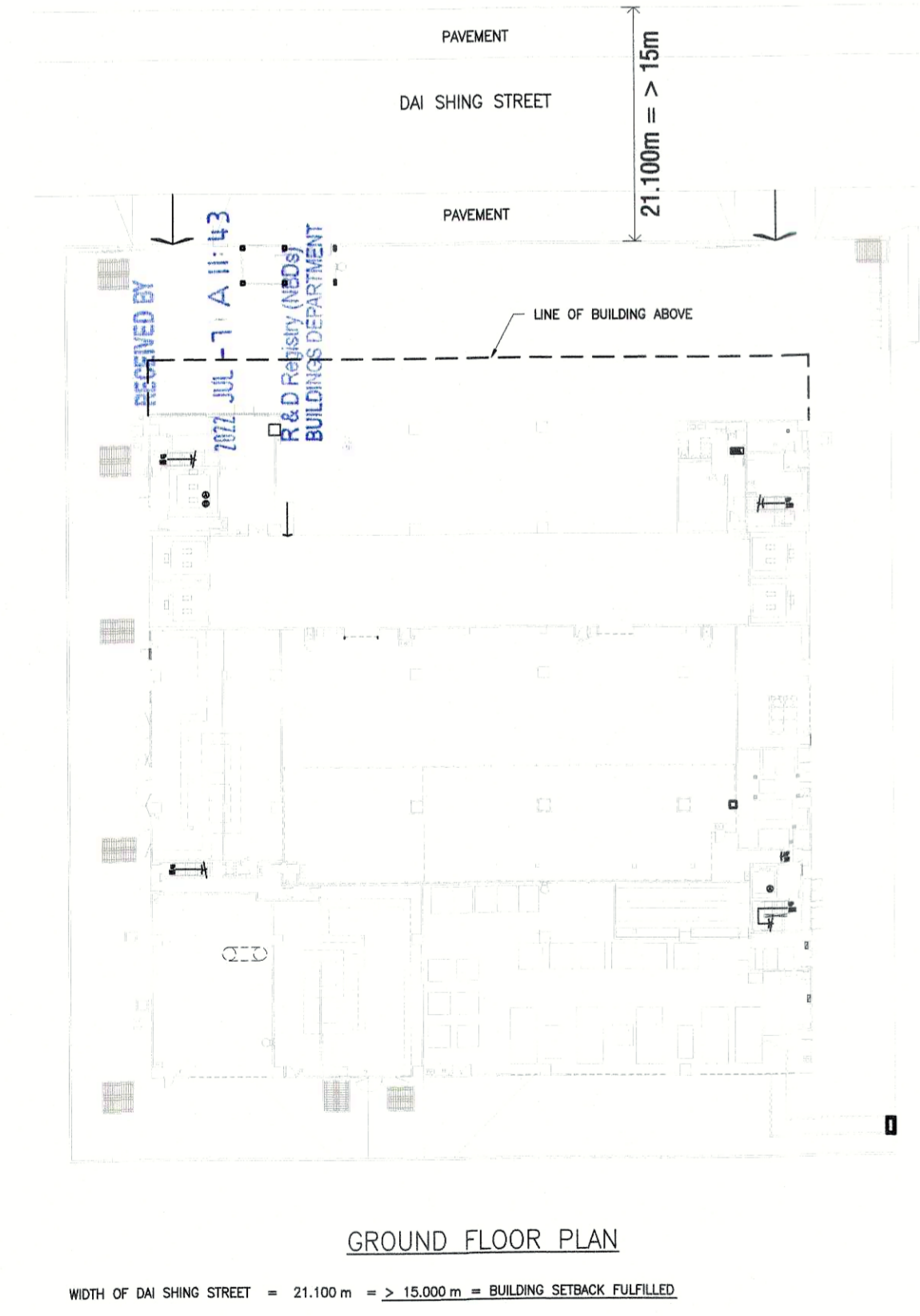
NON-PRIMARY ZONE:

①	(2,800 m x 1,925 m) = 5,390 m ²
②	(2,800 m x 2,900 m) = 8,120 m ²
③	(14,800 m x 10,425 m) = 154,290 m ²
④	(38,400 m x 9,375 m) = 359,100 m ²
⑤	(9,412 m x 9,575 m) = 89,915 m ²
TOTAL	628,185 m ²

TOTAL SITE COVERAGE OF GREENERY OVERALL = 249,318 m² + 373,950 m² + 628,185 m² = 1,251,463 m² > 1,246,500 m²

TOTAL SITE COVERAGE OF GREENERY AT PRIMARY ZONE = 249,318 m² + 373,950 m² = 623,268 m² > 623,250 m²

BUILDING SETBACK:



BUILDING SEPARATION:

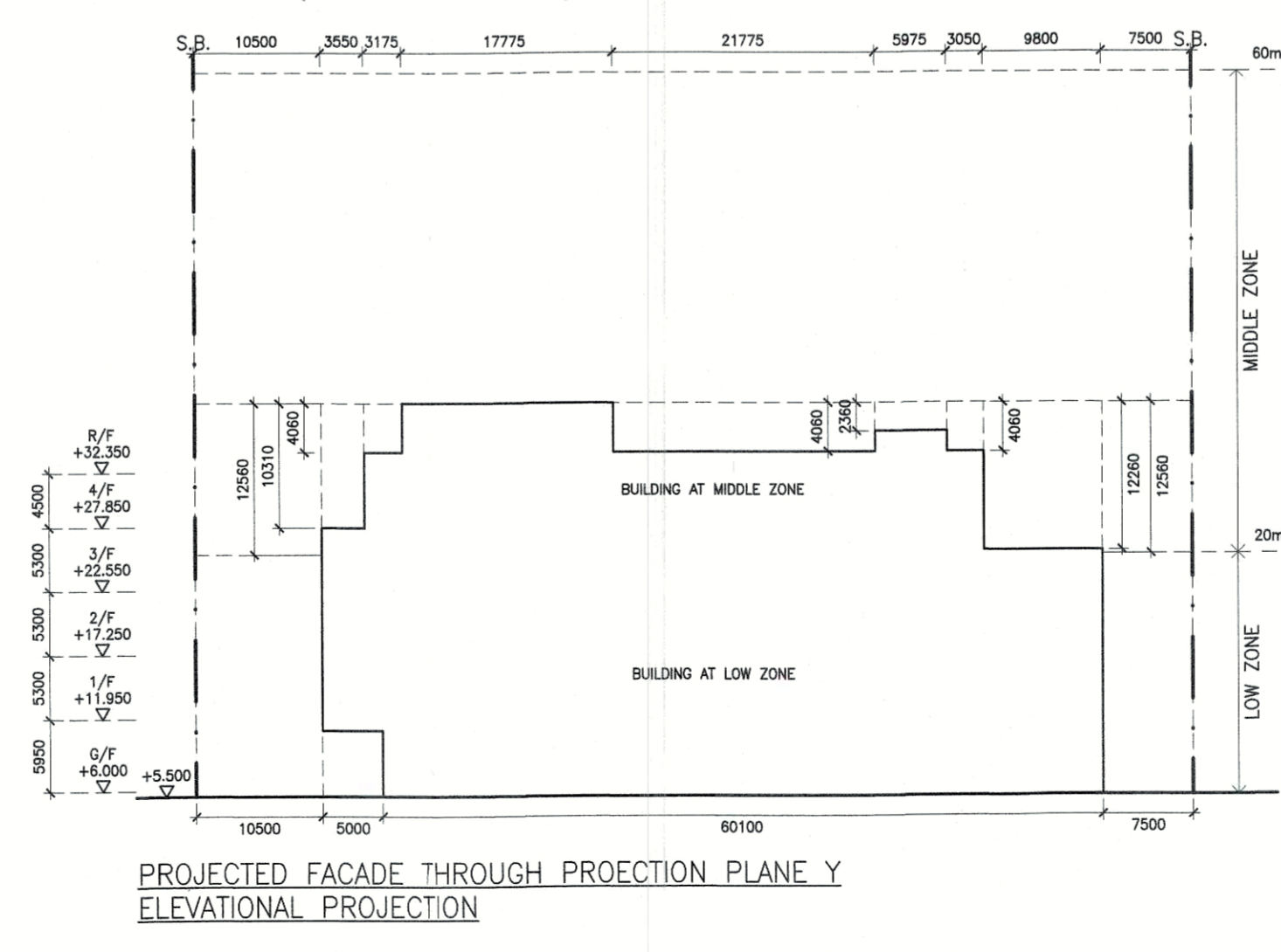
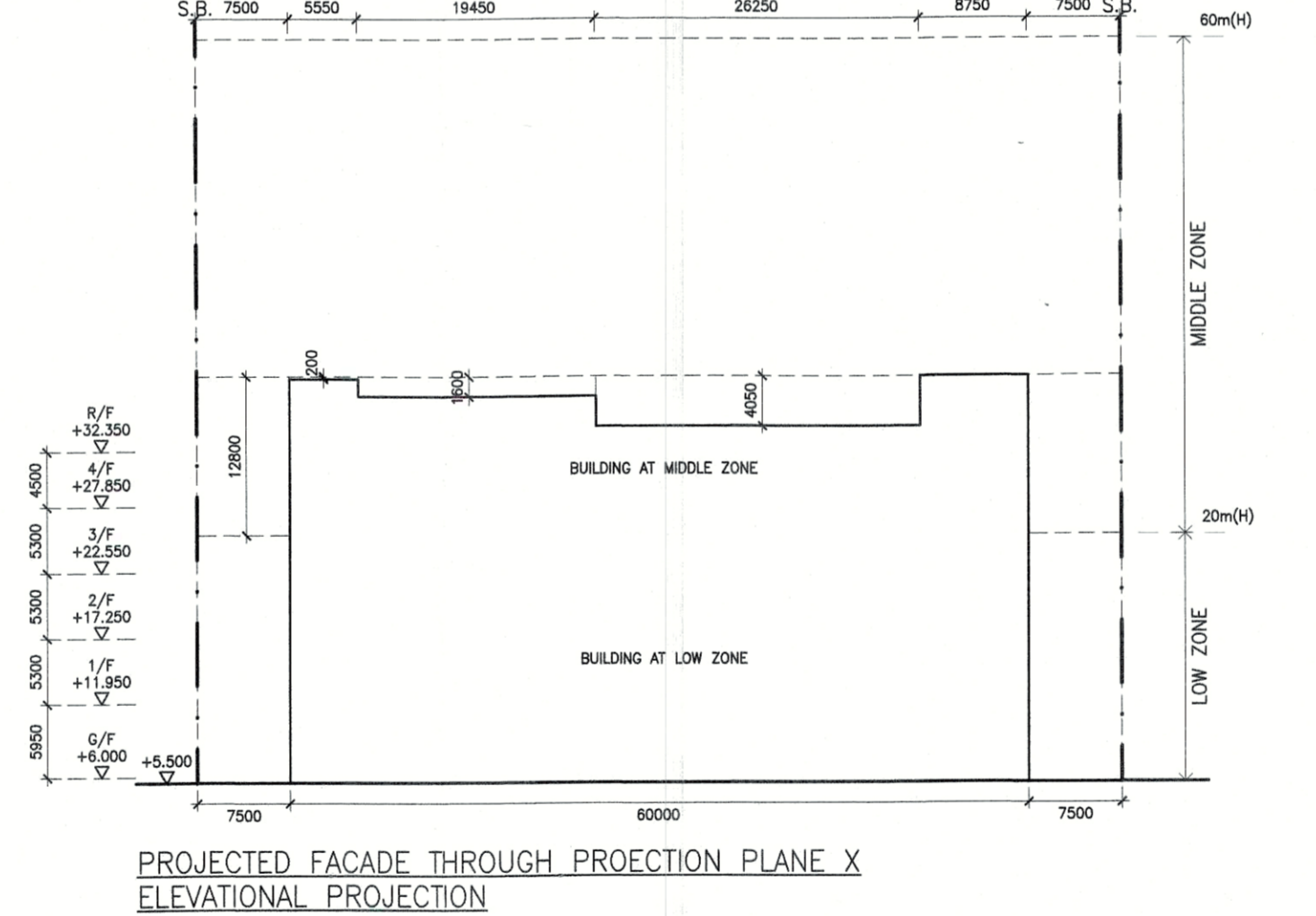
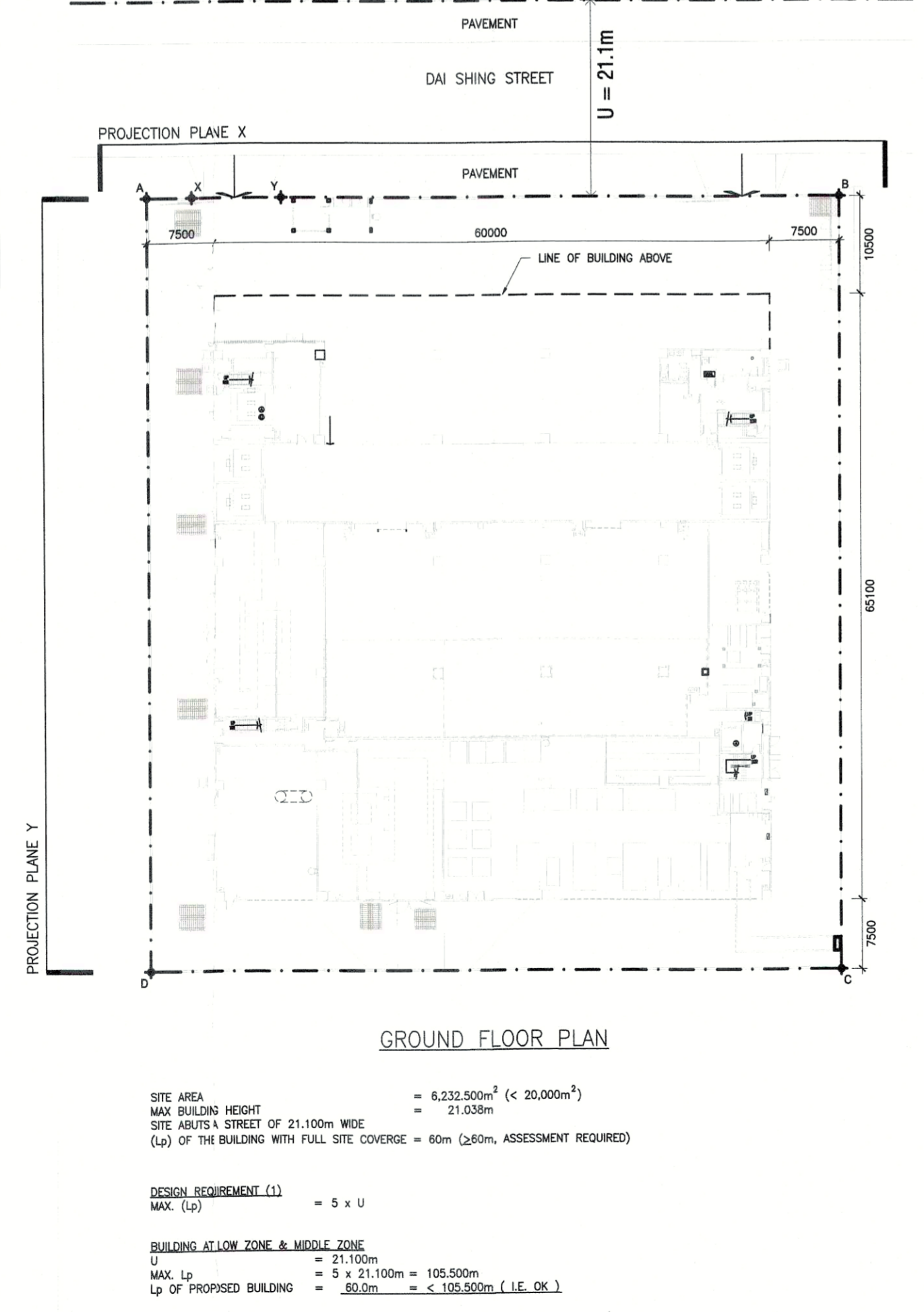


TABLE 1 PERMEABILITY (P) OF BUILDINGS

HEIGHT(H) OF THE TALLEST BUILDING	SITE AREA < 20,000m ² AND WITH BUILDING(S) OF Lp >= 60m LONG		SITE AREA >= 20,000m ² (REGARDLESS OF THE LENGTH OF BUILDINGS)
	H <= 60m	H > 60m	
H <= 60m	20%; 20%	20%; 20%	20%; 25%
H > 60m	20%; 20%	20%; 20%	20%; 33.3%

DESIGN REQUIREMENT (2) - LOW ZONE

MINIMUM (P) = 20% (FROM TABLE 1) SET PROJECTION PLANE X PARALLEL TO THE STREET

INTERVENING SPACE & SEPARATING DISTANCE

- MIN. 7.5m TO COMMON B.L.
- OPEN TO ABOVE, OR OF HEIGHT >= 2/3 OF THE ASSESSMENT ZONE
- (Lp) = 7.5m - (7.5m x 2) = 60m (<105.5m I.E. OK)

TOTAL FACADE AREA OF THE INTERVENING SPACES

= (7,500 x 20.00) x 2 = 300.0m²

(P) ACHIEVED BY THE INTERVENING SPACES

= 300.000m² / (20 x 75,000m²) x 100% = 20.000%

OVERALL (P) ACHIEVED AT LOW ZONE

= 20.000% (> 20%, I.E. OK)

DESIGN REQUIREMENT (2) - MIDDLE ZONE

MINIMUM (P) = 20% (FROM TABLE 1) SET PROJECTION PLANE X PARALLEL TO THE STREET

INTERVENING SPACE & SEPARATING DISTANCE

- MIN. 7.5m TO COMMON B.L.
- OPEN TO ABOVE, OR OF HEIGHT >= 2/3 OF THE ASSESSMENT ZONE
- (Lp) = 7.5m - (7.5m x 2) = 60m (<105.5m I.E. OK)

TOTAL FACADE AREA OF THE INTERVENING SPACES

= (12,560m x 10,500m) + (10,310m x 3,550m) + (4,060m x 3,175m) + (4,060m x 2,175m) + (2,360m x 5,975m) + (4,060m x 3,050m) + (12,280m x 9,800m) + (12,560m x 7,500m) = 510,610m²

(P) ACHIEVED BY THE INTERVENING SPACES

= 510,610m² / (20 x 83,100m²) x 100% = 30.723%

OVERALL (P) ACHIEVED AT MIDDLE ZONE

= 30.723% (> 20%, I.E. OK)

CLIENT

PROJECT MANAGER

ARUP

BUILDING SERVICES ENGINEER

QUANTITY SURVEYOR

Rider Levett Bucknall

REV.	DATE	DESCRIPTION	DWG.	CHK.	APP.
-	DEC 2019	1ST SUBMISSION	AC3	KH	KH
-	MAR 2020	1ST RE-SUBMISSION	AC3	KH	KH
-	JUN 2020	2ND RE-SUBMISSION	AC3	KH	KH
A	FEB 2021	1ST AMENDMENT SUBMISSION	T55	KH	KH
B	AUG 2021	2ND AMENDMENT SUBMISSION	C14	AC3	AC3
C	MAR 2022	FINAL AMENDMENT SUBMISSION	DC2	AC3	AC3
D	JUL 2022	FINAL AMENDMENT SUBMISSION	DC2	AC3	AC3

Note: This plan has been processed on a certified check basis under the centralised processing system as permitted in PDOP 4236-16. The stamp of the authorised person, registered structural engineer and/or registered geotechnical engineer calculated as specified under section 4(3)(b) and the provision of section 14(2)(c) of the Building Ordinance are of particular relevance in this regard.

FOR BUILDING AUTHORITY'S OFFICIAL USE

Plan Approved

TANG Hing-ching
 Senior Building Surveyor
 for BUILDING AUTHORITY
 - 7 JUL 2022

AMENDED PLAN

THE WORKS SHOWN ON THESE PLANS ARE TYPE II WORKS BUILDING AMENDMENT

IN RESPECT OF WHICH CONSENT IS APPLIED FOR THE PURPOSE OF FAST TRACK CONSENT APPLICATION UNDER REGULATION 5 OF THE BUILDING (ADMINISTRATION) REGULATIONS

ARCHITECT / STRUCTURAL ENGINEER

DAVID S. K. AU & ASSOCIATES LTD.

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 TEL: (852) 2560 8811 FAX: (852) 2513 1828 WEB: www.dskau.com.hk
 CAD: PRACTICE REGISTRATION NO. 001019 (I.E. OK) - 001019 - 001019 - 001019

SCALE: A1 @ 1:200

PROJECT: PROPOSED NEW BUILDING AT 6 DAI SHING STREET, TAI PO INDUSTRIAL ESTATE, SUBSECTION 4 OF SECTION N, TAI PO TOWN LOT NO. 1 AND EXTENSION THERETO

DRAWING TITLE: SBD CALCULATIONS

DRAWING NO.: A-04

PROJECT NO.: DA19082

B.D. REF.: BD 2/9148/19

F.S.D. REF.: FP 8/22438

REV.:

REV.	DESCRIPTION
D	

AU SHU KIN
 MSc., CEng., MIE, MPE, RPE
 Authorized Person

FOR B.D.