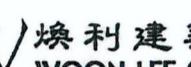


BD. REF. NO.: BD 2/9013/22(TH)  
 FSD. REF. NO.: FP 8/31643<13>  
 REVISIONS AND SUBMISSIONS:  
 NO.: DATE: DETAILS: CHECKED:

– 21/09/22 BD FIRST SUBMISSION  
  
 Yuen Kwok Cheung  
 ARAIA HKIA  
 Authorized Person  
 (List of Architects)

Coloured Amended General Drawing  
 for BD Approval

CLIENT:  
  
**九龍樂善堂**  
 THE LOK SIN TONG  
 BENEVOLENT SOCIETY  
 KOWLOON  
 Since 1880 AD

MAIN CONTRACTOR:  
  
**Woon Lee Construction Co. Ltd.**

ARCHITECTURAL CONSULTANT (DESIGN & BUILD):  
  
**馬海**  
 馬海 (建築顧問) 有限公司  
 Spence Robinson Limited

MIC STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):  
  
**Arthur Yung and  
 Associates Company Ltd.**  
 容亨達工程師事務所

GEOTECHNICAL ENGINEERING CONSULTANT (DESIGN & BUILD):  
  
**TEEM**  
 TELEMAX ENVIRONMENTAL AND  
 ENERGY MANAGEMENT LIMITED

M&E ENGINEER CONSULTANT (DESIGN & BUILD):  
  
**CNQCiC**  
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 5. Prints without an authorized signature in the checked and approved spaces below and after the last revision above are NOT valid for use outside S.R.L.  
 PROJECT:

TRANSITIONAL HOUSING PROJECT AT WONG  
 YUE TAN, TAI PO FOR THE LOK SIN TONG  
 BENEVOLENT SOCIETY, KOWLOON

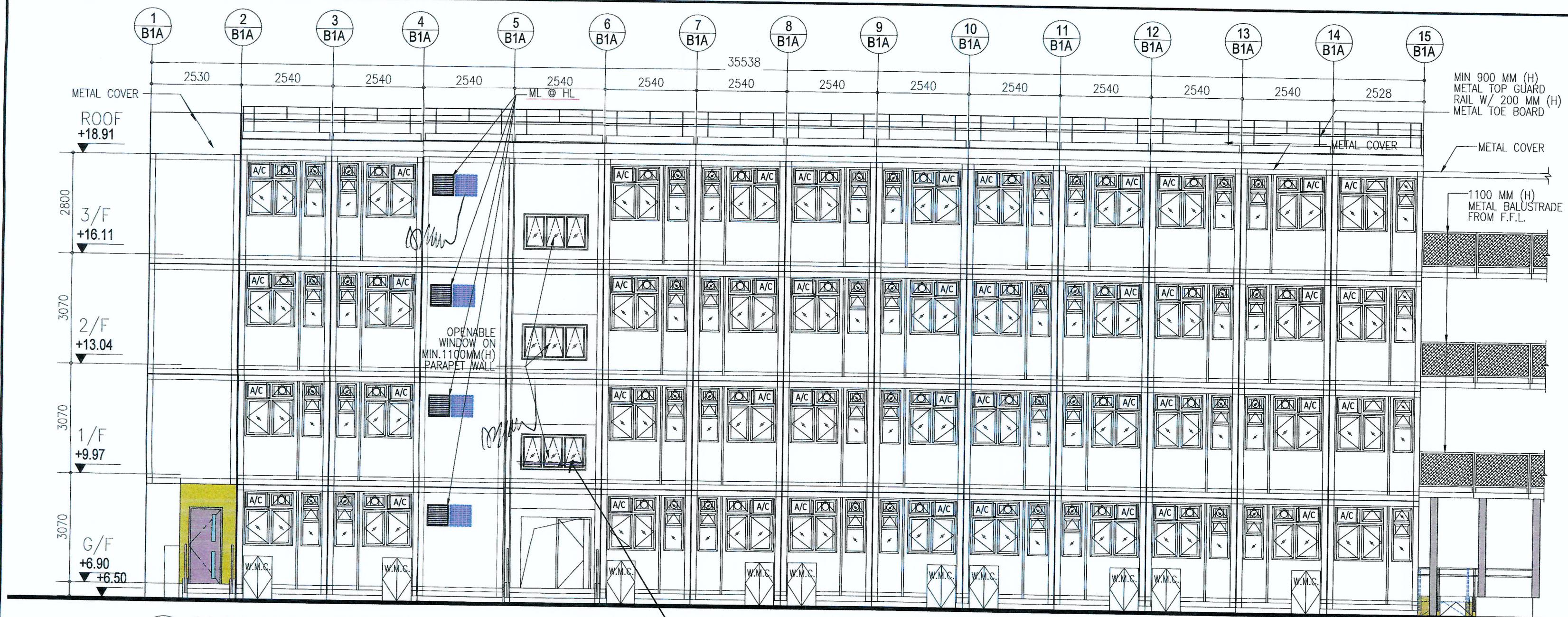
DRAWING TITLE:  
**SHOP & MANAGEMENT OFFICE MIC  
 MODULE TYPES**

Plan Approved  
  
 KWOK Chi-hing  
 Senior Building Surveyor  
 for BUILDING AUTHORITY  
 18 NOV 2022

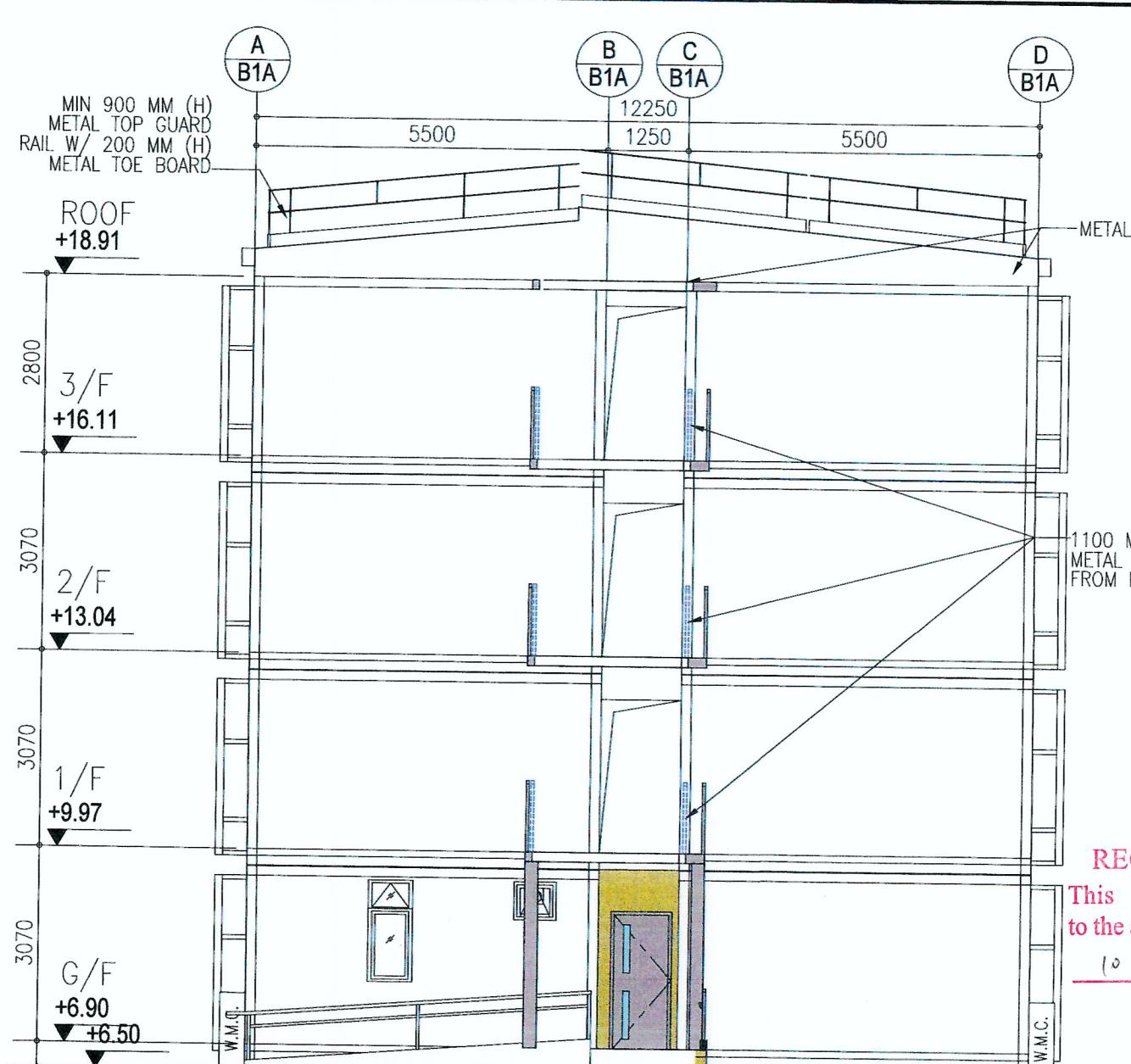
DRAWN BY: DATE: SEP 2022  
 PT  
 CHECKED BY: APPROVED BY:  
 CMD  
 KCY  
 SCALE: PAPER SIZE:  
 1:50 A1  
 PROJECT: DRAWING NO.: REVISION:  
 2732 AG/01/021A -

**NEW DRAWING**

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 curtailed check basis under the centralised  
 processing system as promulgated in PNAP  
 ADM-19. The duties of the authorized person,  
 registered structural engineer and/or registered  
 geotechnical engineer are assumed as specified  
 under section 40(3)(b) and the provision of  
 section 14(2)(c) of the Buildings Ordinance are  
 of particular relevance in this regard.



1 BLOCK 1A ELEVATION



Note: This plan has been processed on a curtailed check basis under the centralized processing system as promulgated in PNAP ADM-10. 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.

REF. NO.:	BD 2/9013/22(TH)
REF. NO.:	FP 8/31643<13>
VISIONS AND SUBMISSIONS:	
DATE:	DETAILS:
15/09/23	BD THIRD AMENDMENT
12/06/23	BD SECOND AMENDMENT
21/09/22	BD FIRST AMENDMENT
17/06/22	BD RE-SUBMISSION
28/02/22	BD FIRST SUBMISSION

  
Yuen Kwok Cheung  
ARAIA HKIA  
Authorized Person  
(List of Architects)

## Coloured Amended General Drawing for BD Approval

ENT:



CONTRACTOR

W 煥利建築有限公司  
WOON LEE CONSTRUCTION CO., LTD.

The logo consists of the characters '中海' (Zhonghai) in a bold, blocky font. These characters are overlaid on a grid of small squares, with some squares filled with a dark shade to create a 3D effect. The characters themselves are dark, appearing to be cut out of the grid. Below the grid, the text 'ARCHITECTURAL CONSULTANT (DESIGN & BUILD):' is written in a smaller, standard font.

STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):  
**張耀新建築工程師有限公司**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

 ARTHUR YUNG AND  
ASSOCIATES COMPANY LTD.  
容亨達工程師事務所

 FFEM

ENERGY MANAGEMENT LIMITED

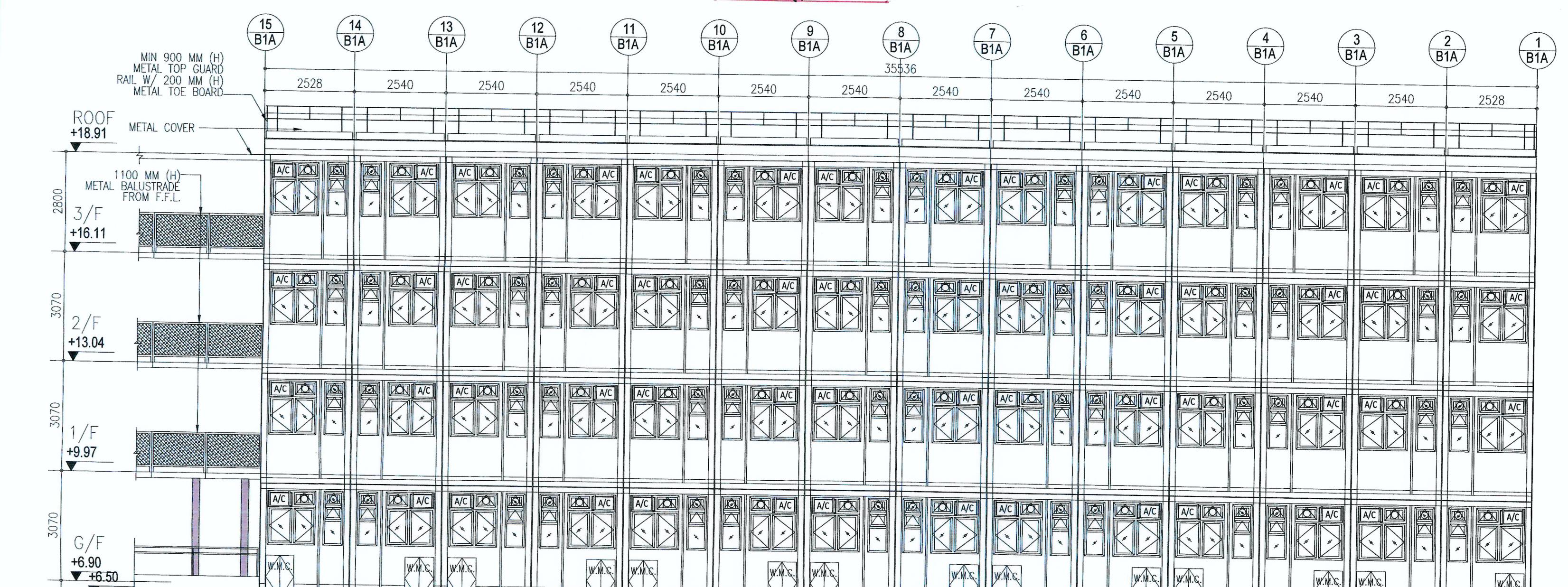
1 drawing and design are copyright and no portion may  
2 produced without the written permission of the Architect.  
3 written dimensions or grid lines in preference to scaled  
4 dimensions. Measurements to existing work are to be checked  
5  
6 drawing is to be read in conjunction with the  
7 Architect's Specification and Conditions of Contract.  
8 Drafts not showing the last revision are to be cancelled.  
9 Drafts without an authorized signature in the checked and  
10 signed spaces below and after the last revision above are

# TRANSITIONAL HOUSING PROJECT AT WONG TAN, TAI PO FOR THE LOK SIN TONG DEVOLENT SOCIETY, KOWLOON

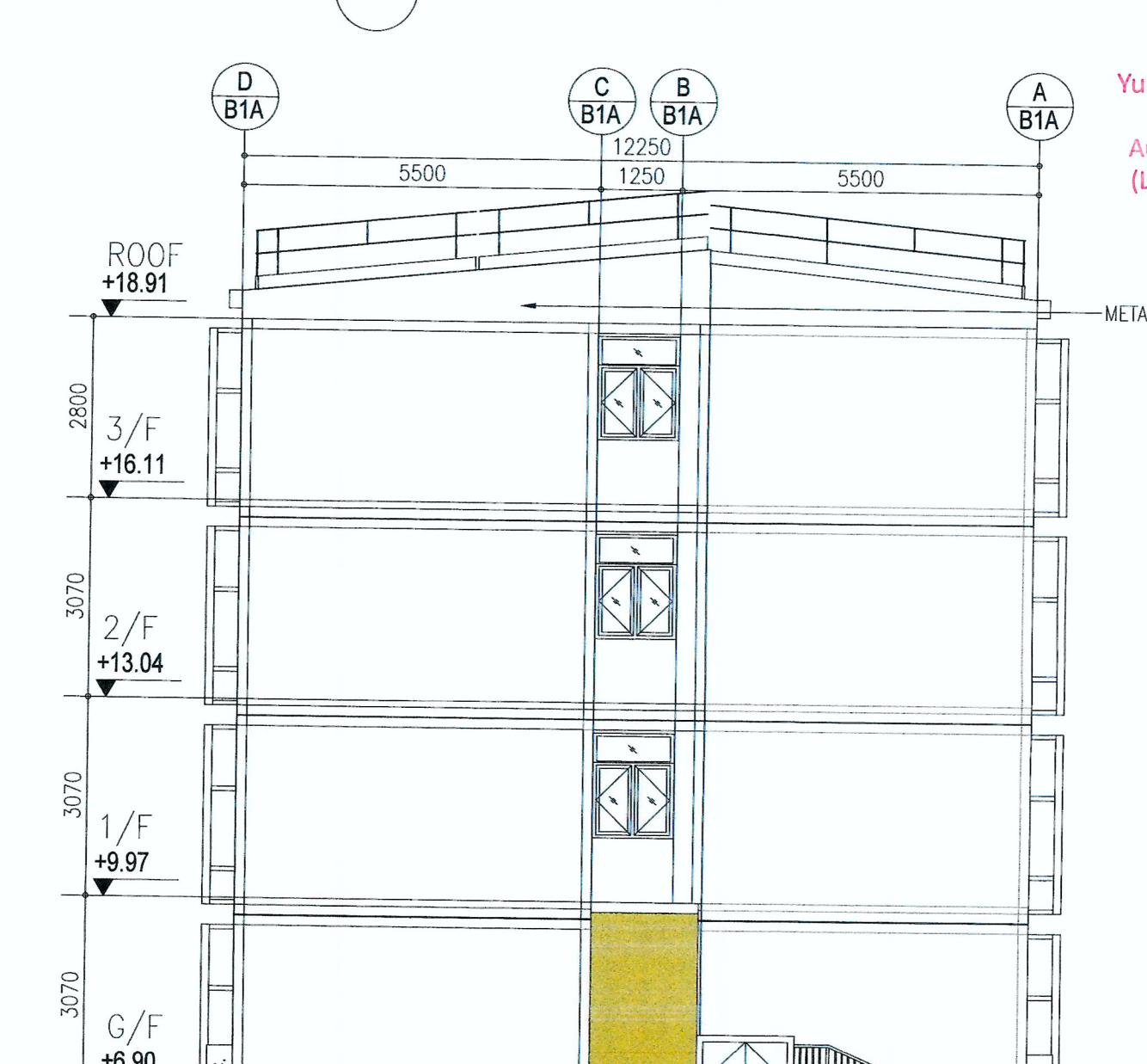
**CK 1A ELEVATIONS  
CK 1B ELEVATIONS  
CAL SECTION  
ERNAL FINS DETAIL  
E IT WORKS**

NS ARE TYPE II WORKS  
EPECT OF WHICH CONSENT IS APPLIED FOR  
PURPOSE OF FAST TRACK CONSENT  
PLICATION UNDER REGULATION 33 OF THE  
DING (ADMINISTRATION) REGULATIONS."

SEP 2023  
BY: APPROVED BY:  
PAPER SIZE:  
A1  
DRAWING NO.: REVISION  
AG/02/001 4

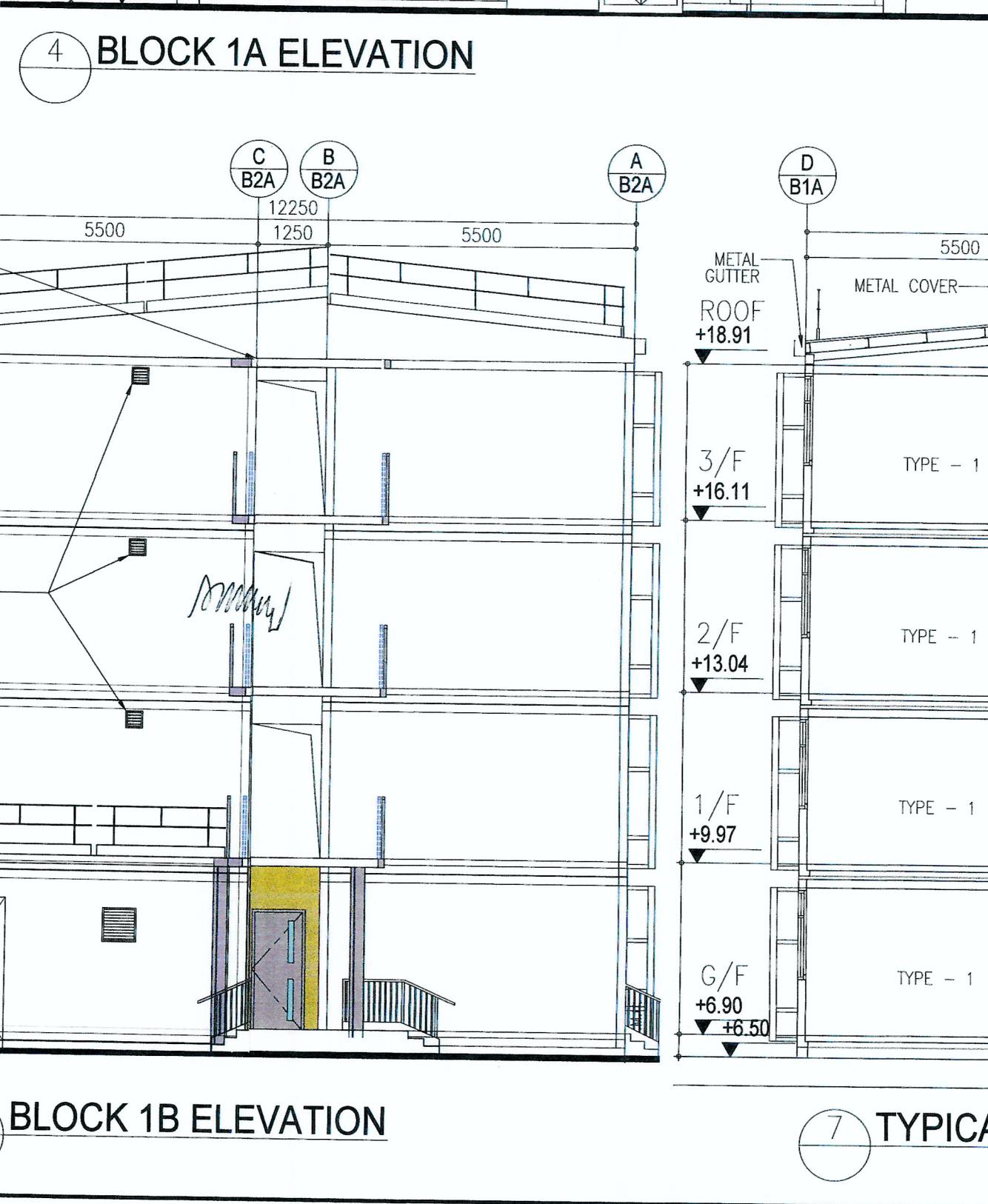


## 3 BLOCK 1A ELEVATION



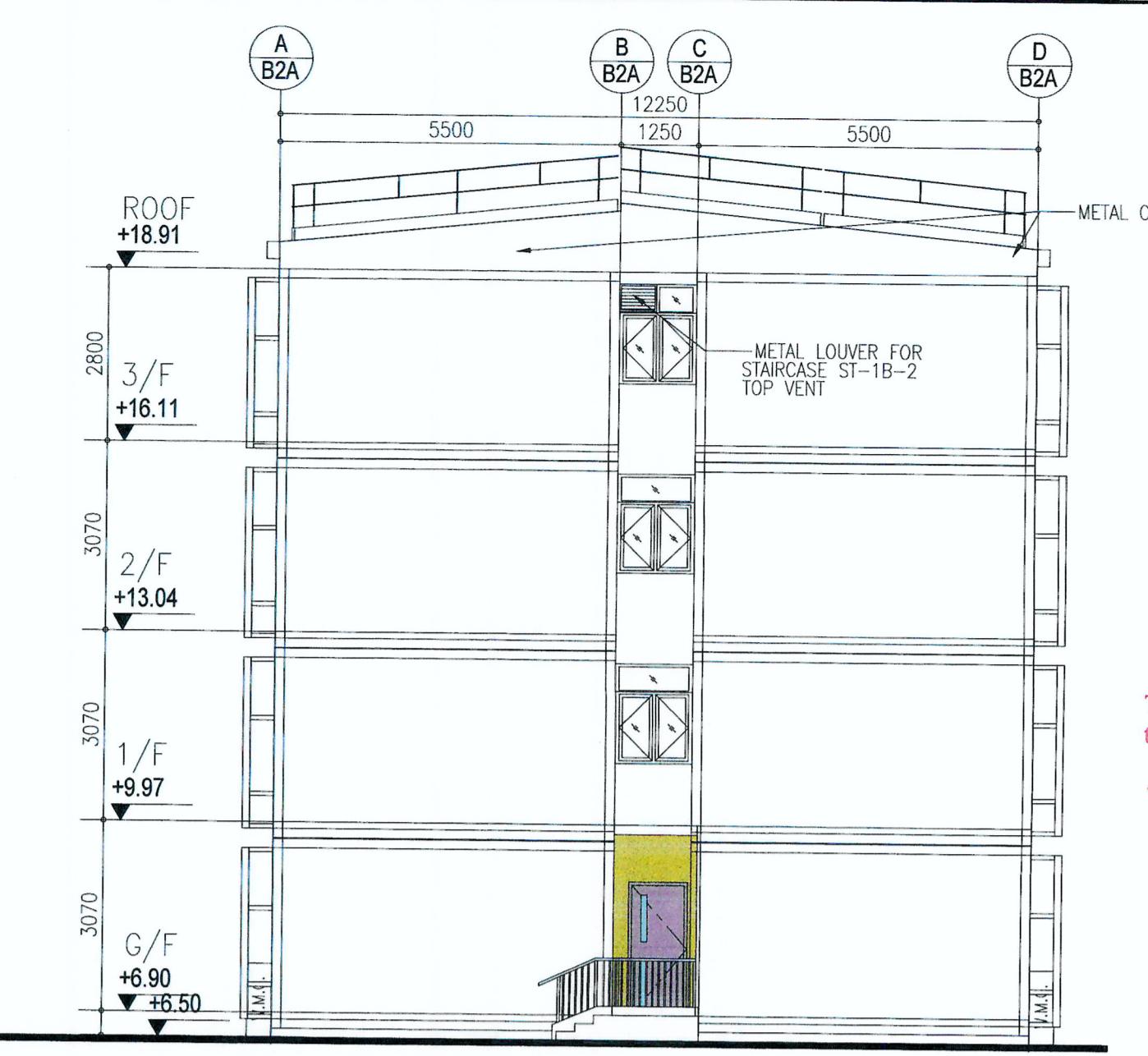
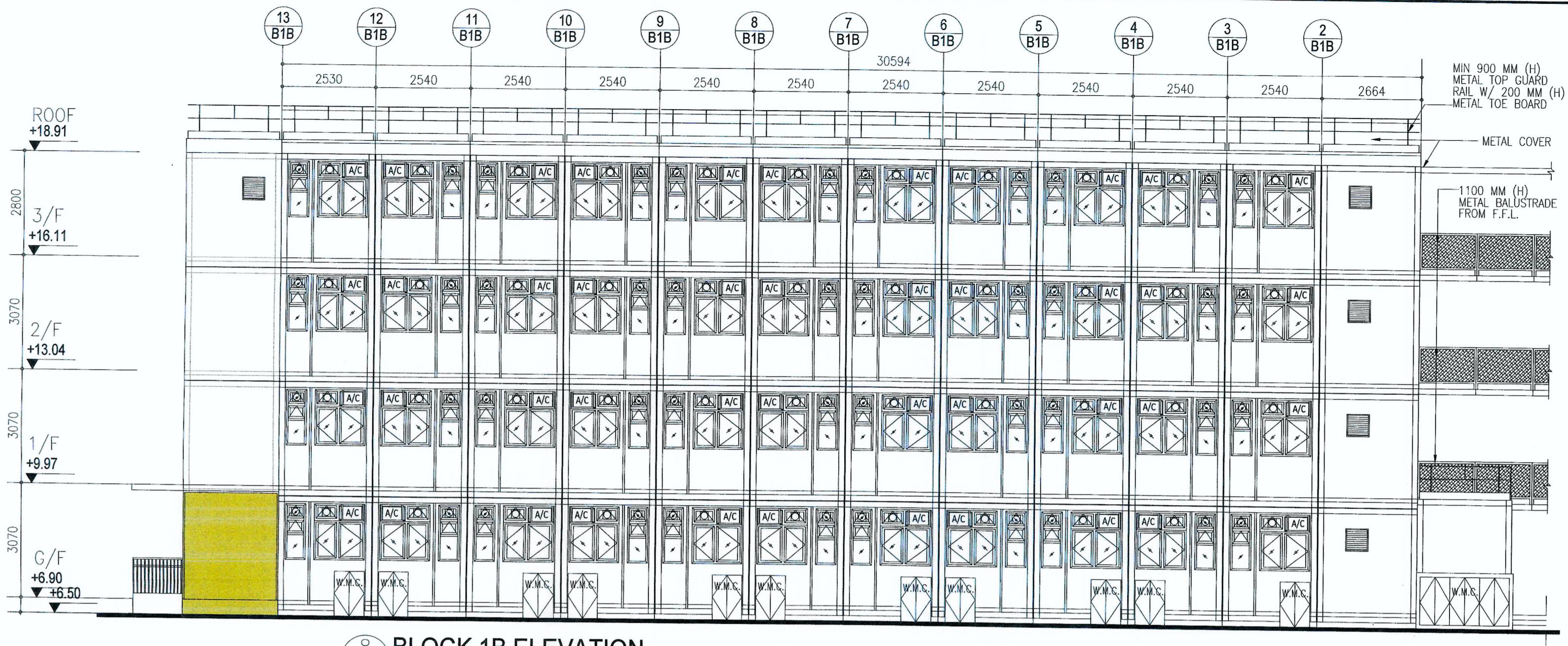
Yuen Kwok Cheung  
ARAIA HKIA  
Authorized Person  
(List of Architects)

### EXT. FINS FRONT ELEVATION



5 SPR. INLET CAB. F.S.I. CAB. **BLOCK 1B ELEVATION**

## BLOCK 1B ELEVATION



BD REF. NO.: BD 2/9013/22(TH)  
FSD REF. NO.: FP 8/31643<13>  
REVISIONS AND SUBMISSIONS:  
NO. DATE: DETAILS: CHECKED:

4 15/09/23 BD THIRD AMENDMENT  
3 12/06/23 BD SECOND AMENDMENT  
2 21/09/22 BD FIRST AMENDMENT  
1 17/06/22 BD RE-SUBMISSION  
- 28/02/22 BD FIRST SUBMISSION

*Yuen Kwok Cheung*  
Yuen Kwok Cheung  
ARIAA HKIA  
Authorized Person  
(List of Architects)

*Coloured Amended General Drawing*  
for BD Approval

CLIENT:  
**九龍樂善堂**  
THE LOK SIN TONG  
BENEVOLENT SOCIETY  
KOWLOON

Note: This plan has been processed on a curtailed check basis under the automated processing system as promulgated ADM-19. The duties of the authorized person, registered structural engineer and/or geotechnical engineer concerned are under section 4(3)(a) and the provision of section 14(2)(c) of the Buildings Ordinance are of particular relevance in this regard.

MAIN CONTRACTOR:  
**Woon Lee Construction Co., Ltd.**

ARCHITECTURAL CONSULTANT (DESIGN & BUILD):  
**馬海**  
馬海(建築顧問)有限公司  
Spence Robinson Limited

MIC STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):  
**張耀新建築工程師有限公司**  
Wilson & Associates Ltd

GEOTECHNICAL ENGINEERING CONSULTANT (DESIGN & BUILD):  
**ARTHUR YUNG AND ASSOCIATES COMPANY LTD.**  
容亨達工程師事務所

M&E ENGINEER CONSULTANT (DESIGN & BUILD):  
**TELEMEX ENVIRONMENTAL AND ENERGY MANAGEMENT LIMITED**

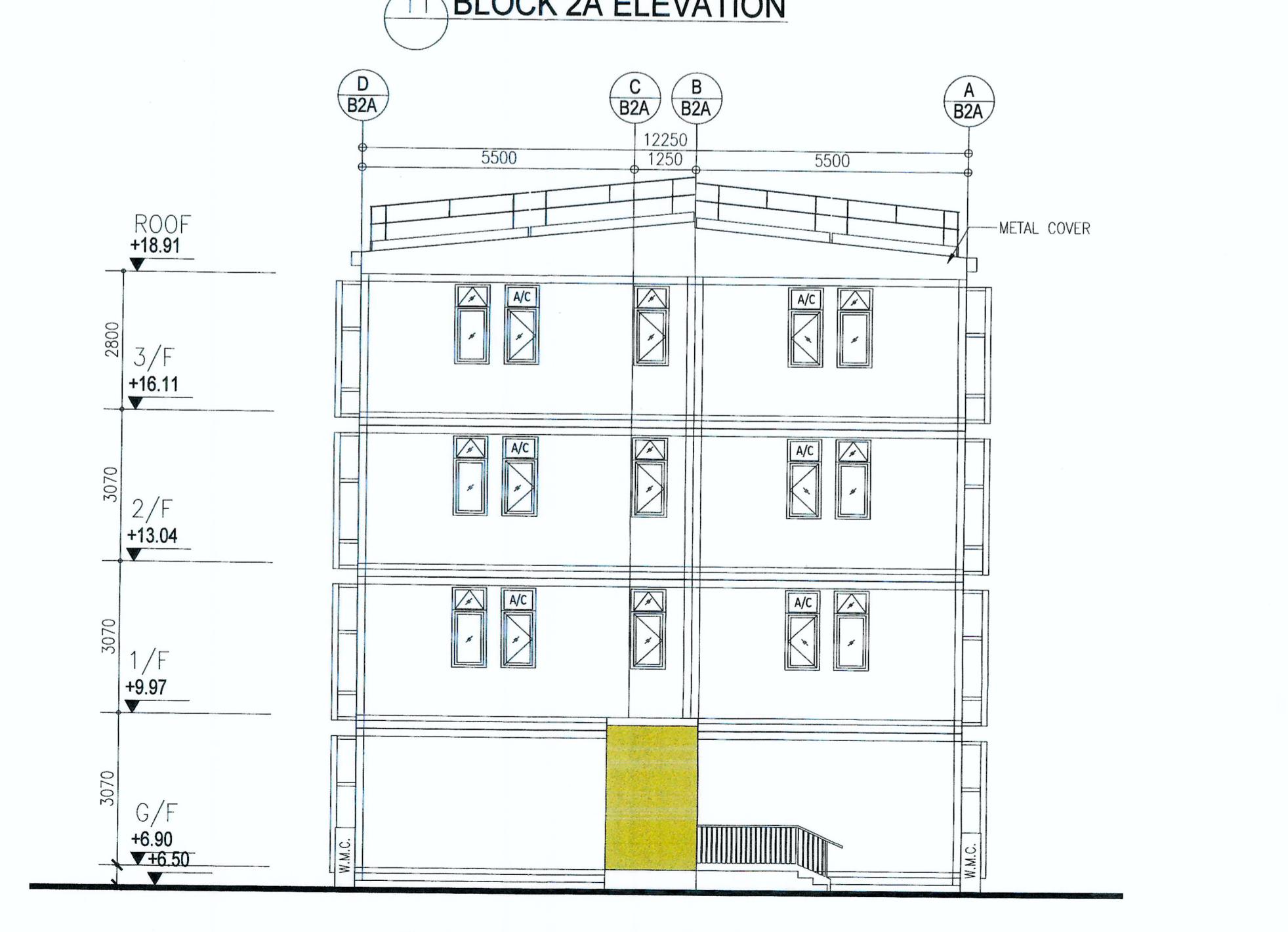
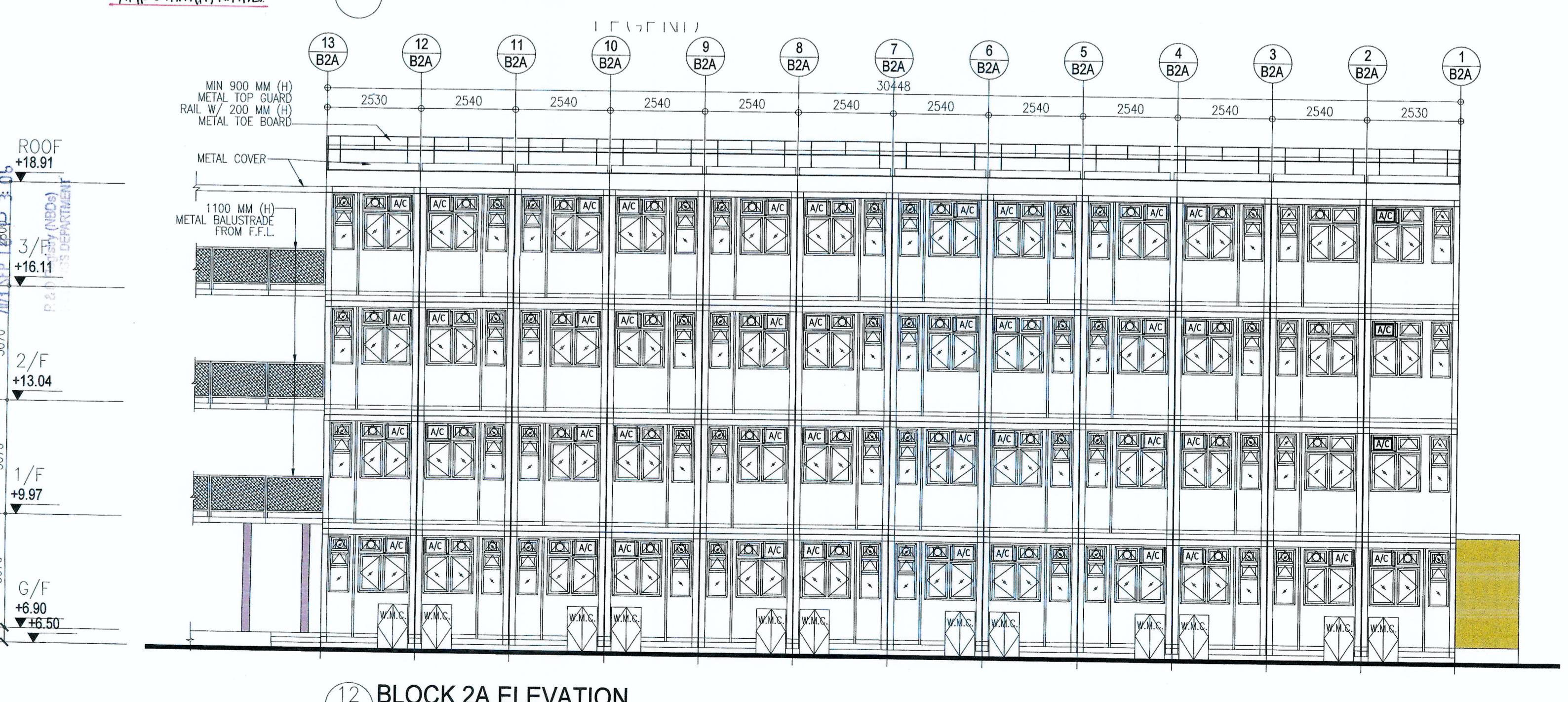
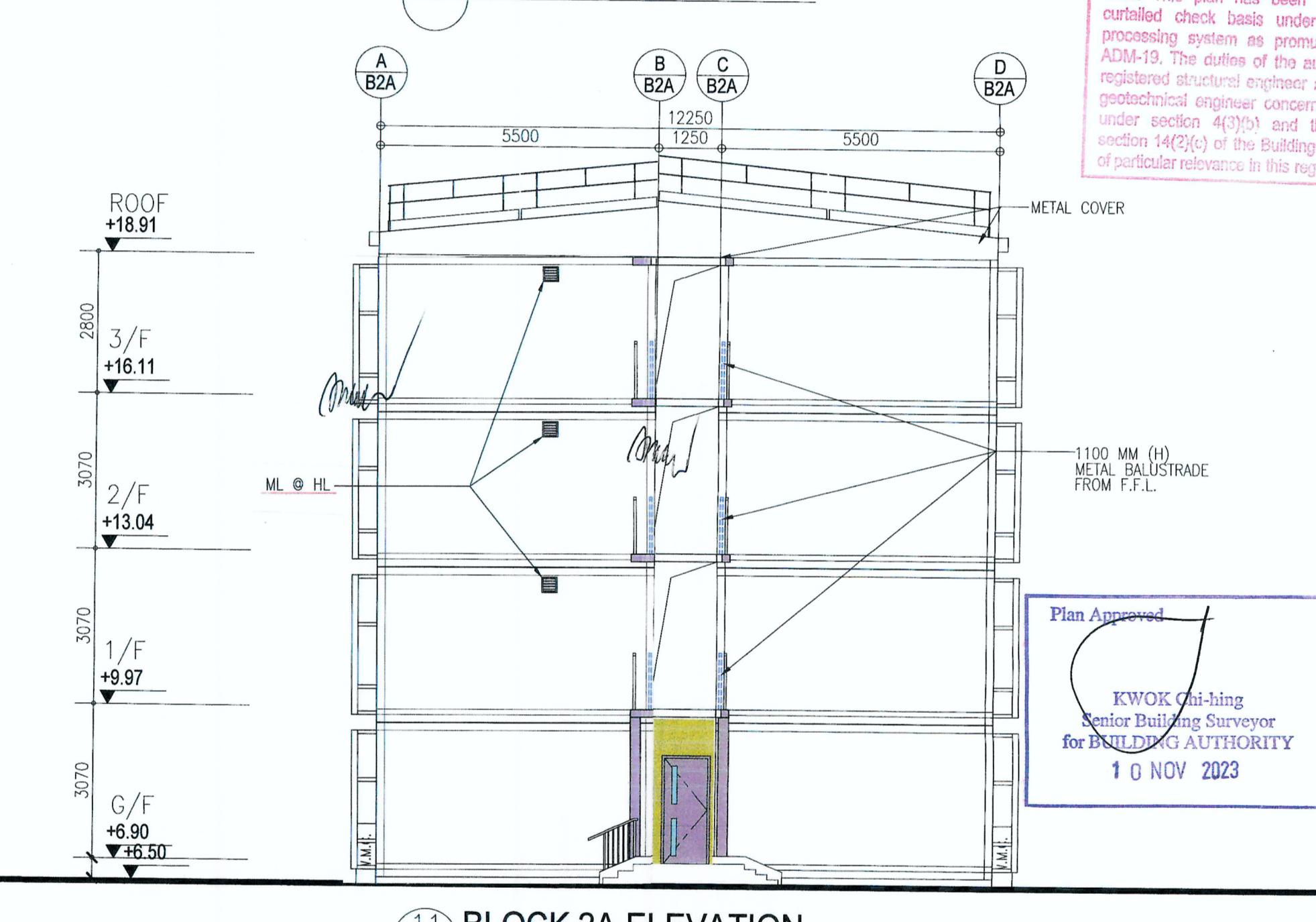
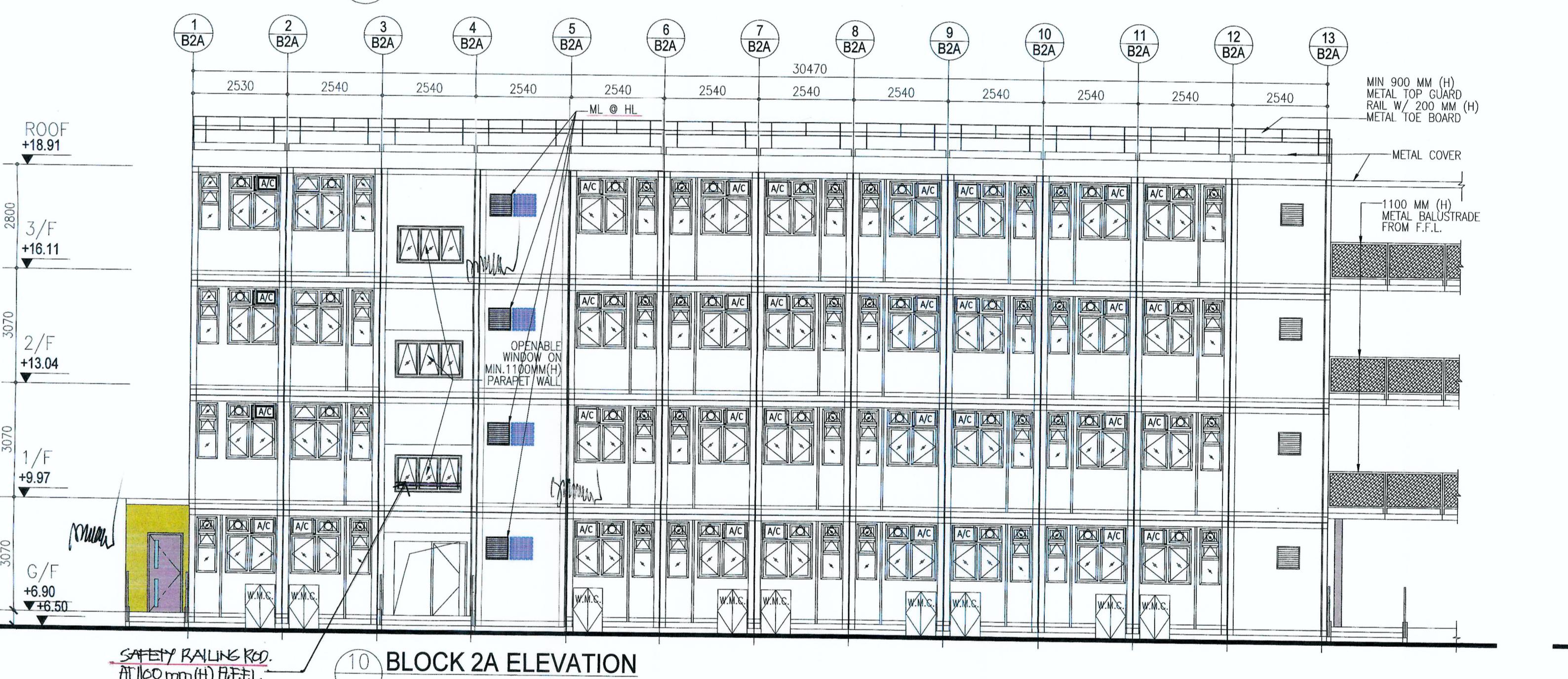
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PROJECT:  
TRANSITIONAL HOUSING PROJECT AT WONG  
YUE TAN, TAI PO FOR THE LOK SIN TONG  
BENEVOLENT SOCIETY, KOWLOON

DRAWING TITLE:  
BLOCK 1B ELEVATIONS  
BLOCK 2A ELEVATIONS

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



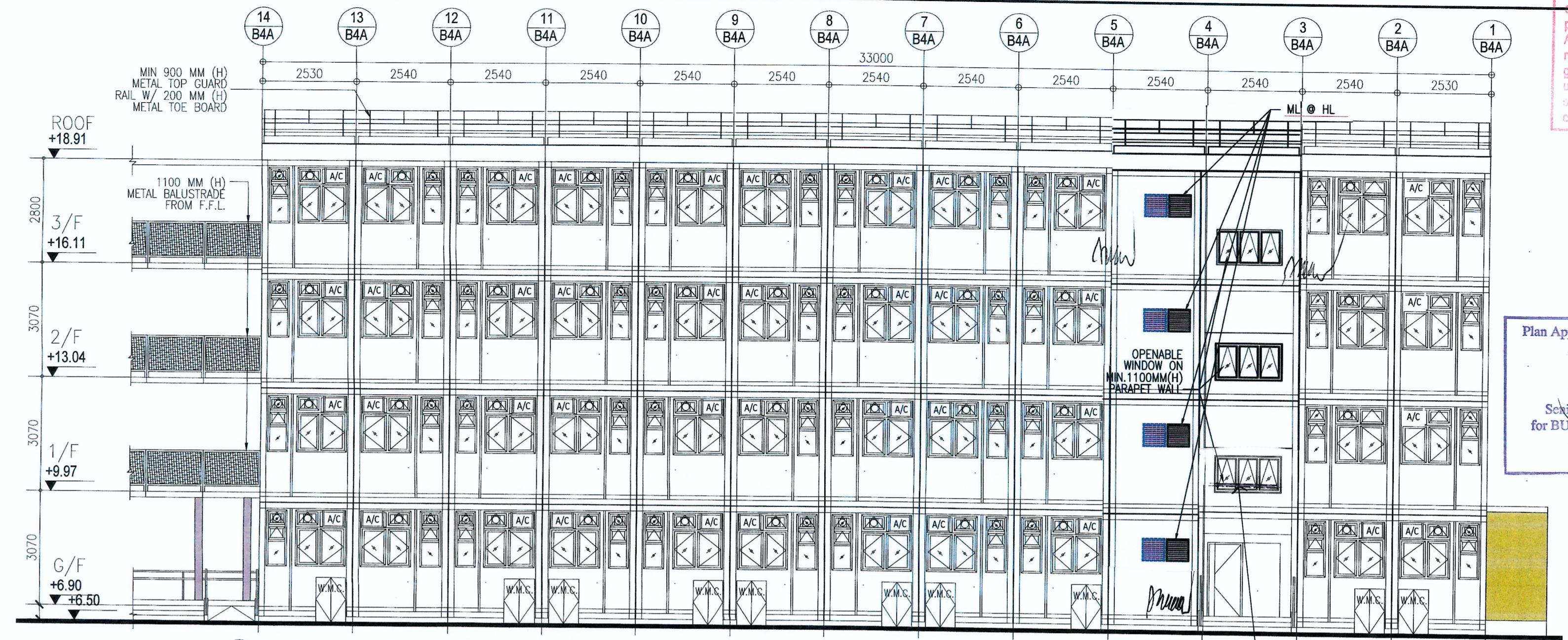
TYPE II  
\*STATEMENT OF CONSENT IS SHOWN ON THESE  
PLANS ARE TYPE II PLANS.  
IN RESPECT OF WHICH CONSENT IS APPLIED FOR  
THE PURPOSE OF FAST TRACK CONSENT  
APPLICATION UNDER REGULATION 33 OF THE  
BUILDING (ADMINISTRATION) REGULATIONS."

DRAWN BY: CC DATE: SEP 2023  
CHECKED BY: APPROVED BY:

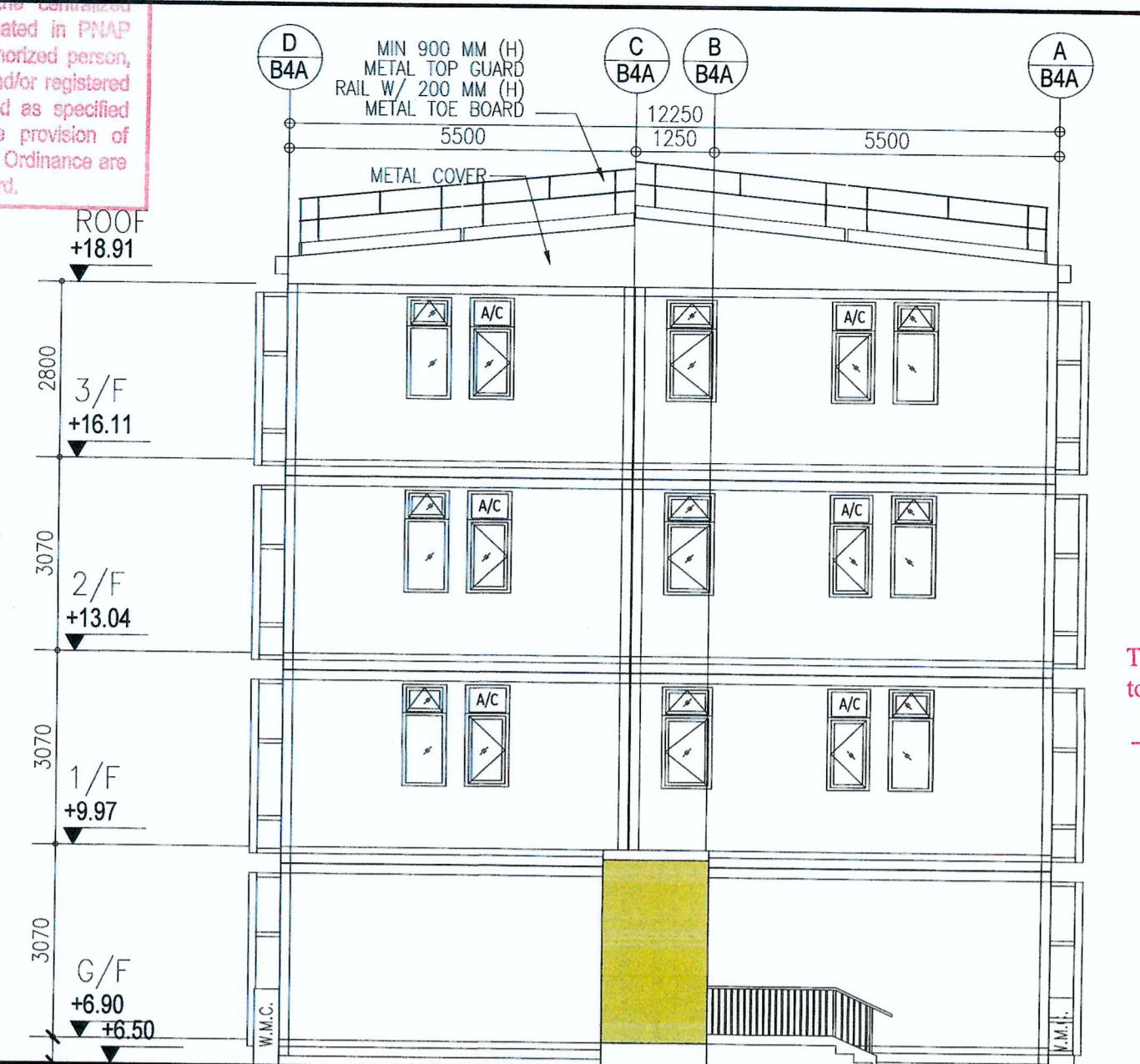
SCALE: 1:100 PAPER SIZE: A1  
PROJECT: DRAWING NO.: AG/02/002  
REVISION: 4







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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.



## RECORD DRAWING

This drawing is identical  
to the approved drawing dated.

  
Yuen Kwok Cheung  
ARAIA HKIA  
Authorized Person  
(List of Architects)

Coloured Amended General Drawing  
for BD Approval

reung  
son  
ata)



CTOR

煥利建築有限公司



海(建築顧問)有限公司  
Sence Robinson Limited

新建筑工程師有限公司  
Wilson & Associates Ltd

ENGINEERING CONSULTANT (DESIGN & BUILD):

CONSULTANT (DESIGN & BUILD):



**NQCI**  
of CNOC International Holdings Limited (HKEX 1240)

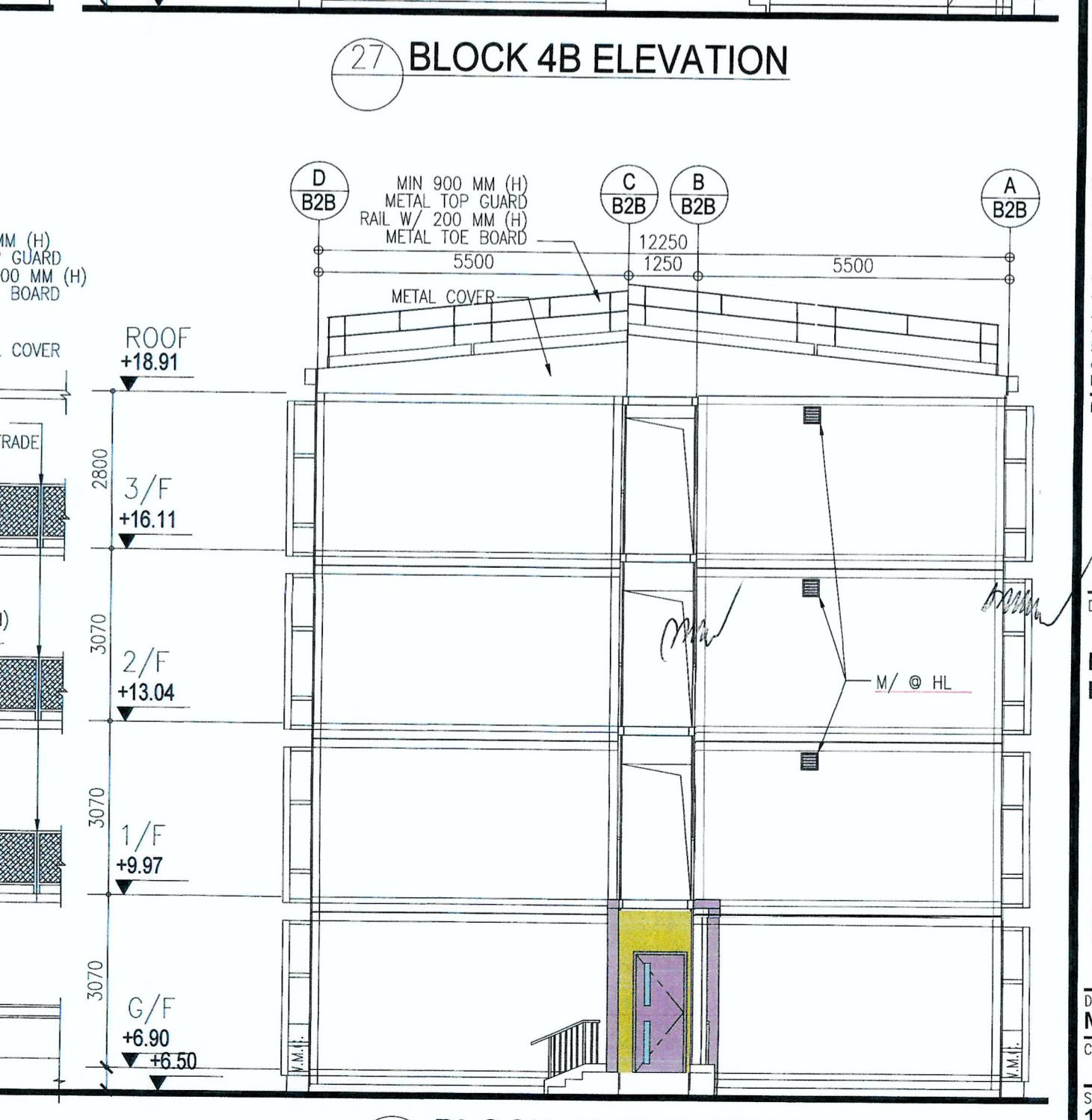
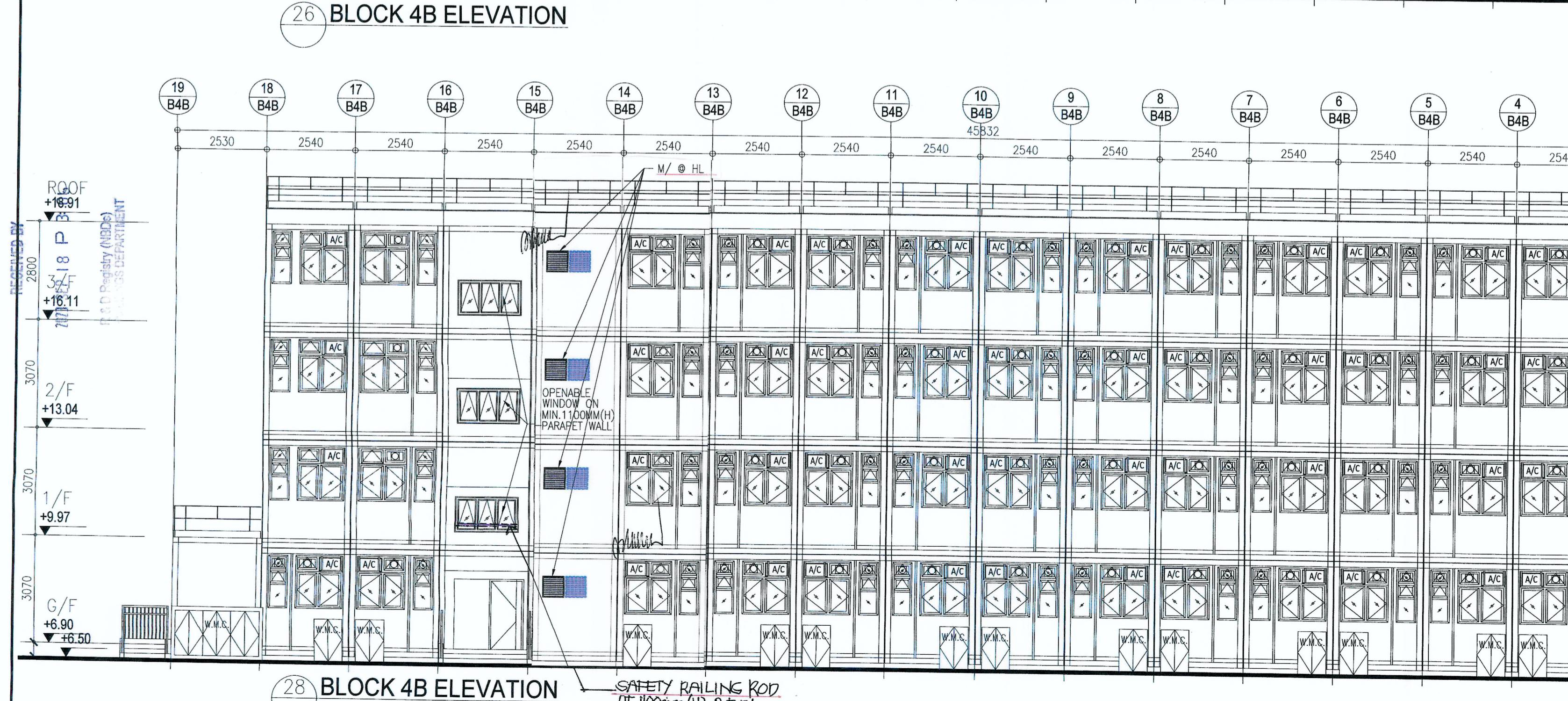
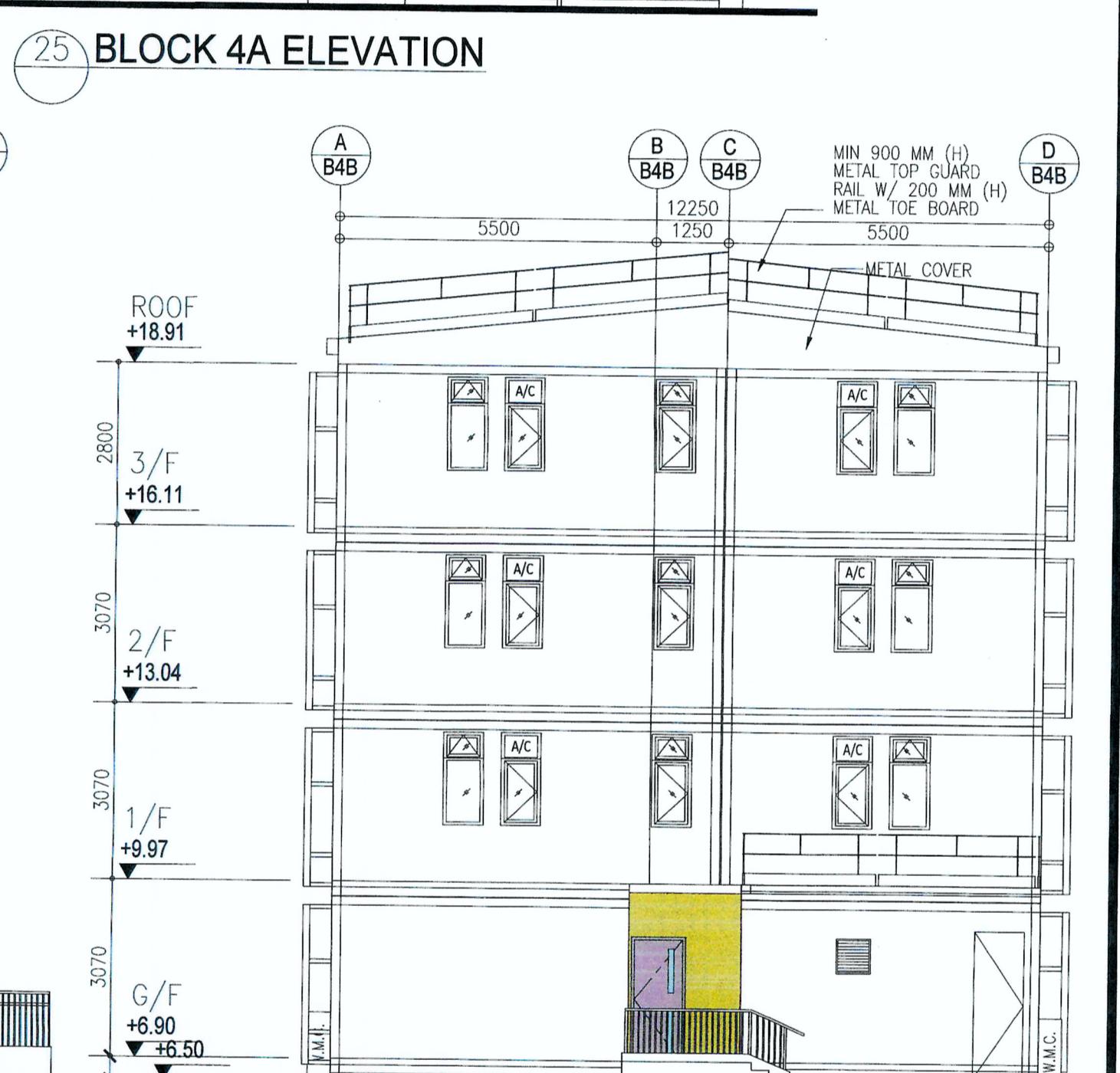
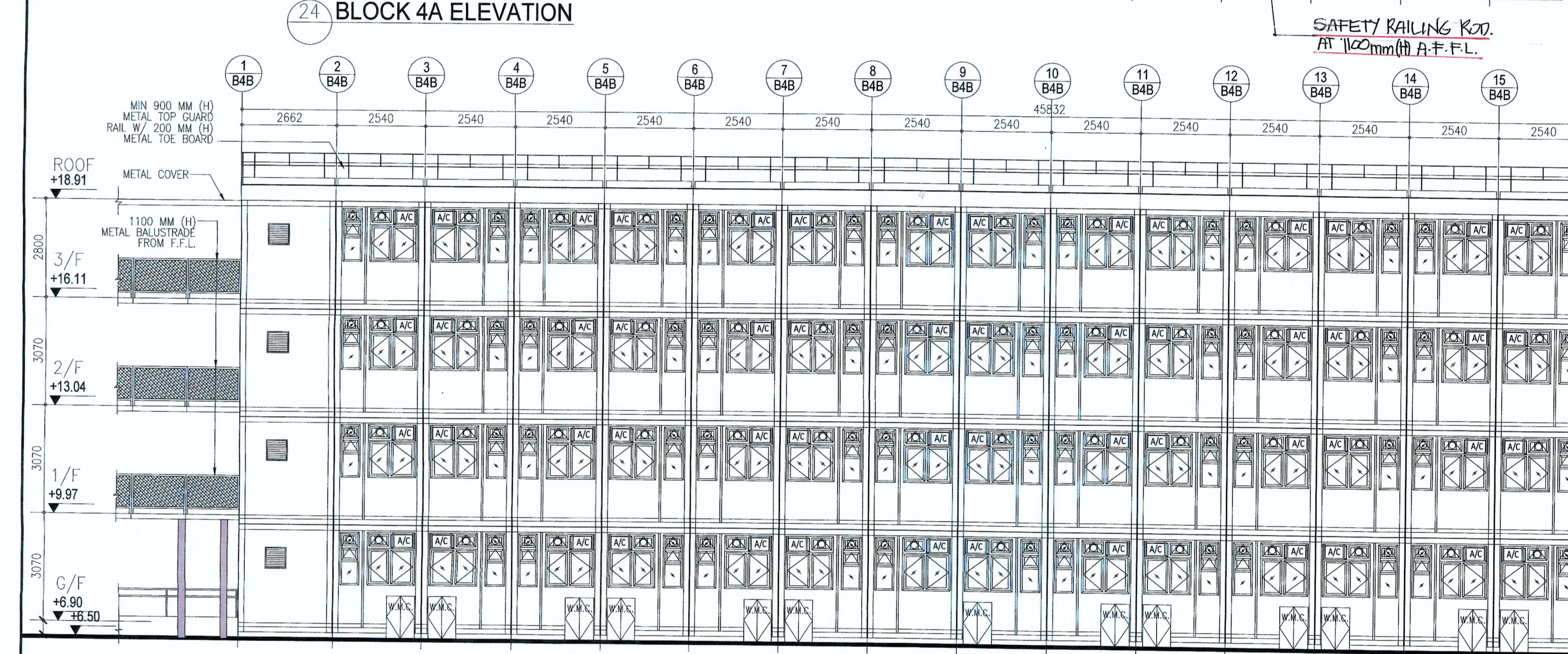
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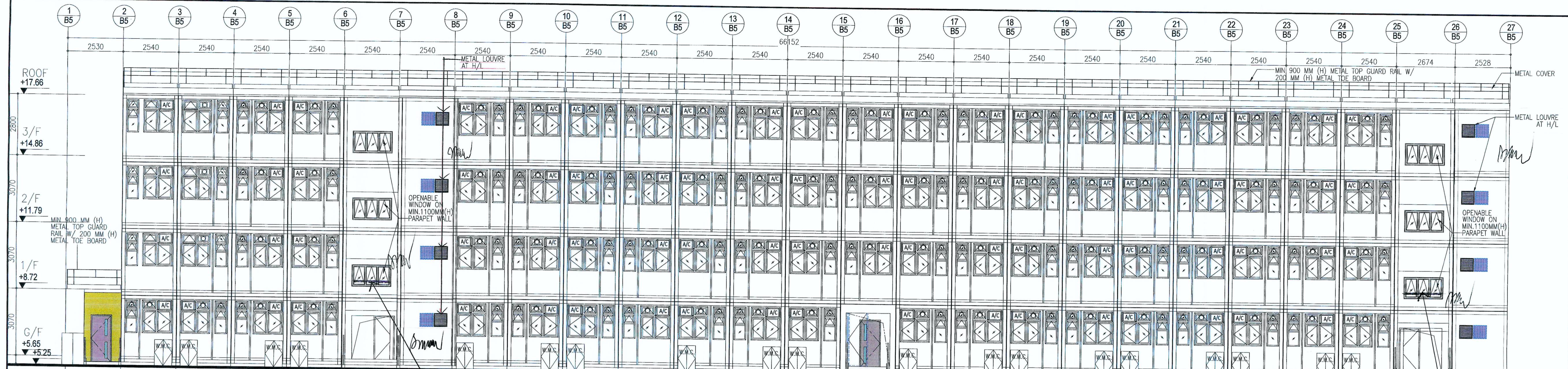
## **NAL HOUSING PROJECT AT WONG TAI PO FOR THE LOK SIN TONG ENT SOCIETY KOWLOON**

## LEVELS ELEVATIONS

WORKS  
TYPE II : THE WORKS SHOWN ON THESE  
TYPE II WORKS  
OF WHICH CONSENT IS APPLIED FOR  
USE OF FAST TRACK CONSENT  
ON UNDER REGULATION 33 OF THE  
ADMINISTRATION) REGULATIONS "

DATE: **SEP 2023**  
APPROVED BY:  
PAPER SIZE:  
**A1**  
DRAWING NO.: **AG/02/005** REVISION: **4**



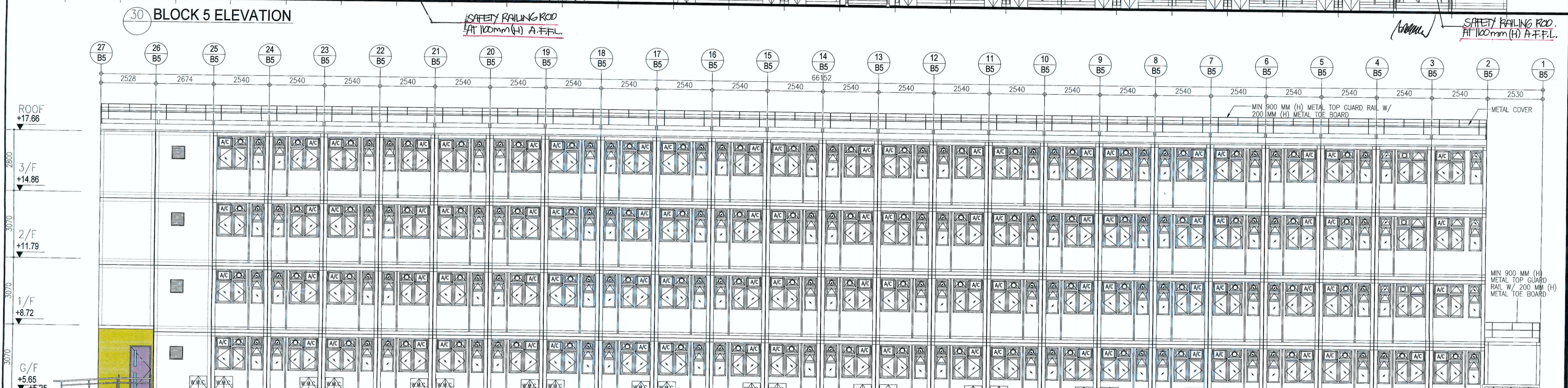


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 FSD REF. NO.: FP 8/31643c13>  
 REVISIONS AND SUBMISSIONS:  
 NO.: DATE: DETAILS: CHECKED:  
 4 15/09/23 BD THIRD AMENDMENT  
 3 12/06/23 BD SECOND AMENDMENT  
 2 21/09/22 BD FIRST AMENDMENT  
 1 17/06/22 BD RE-SUBMISSION  
 - 28/02/22 BD FIRST SUBMISSION

*Yuen Kwok Cheung  
 ARAIA HKIA  
 Authorized Person  
 (List of Architects)*

Coloured Amended General Drawing  
 for BD Approval

CLIENT: **九龍樂善堂**  
 THE LOK SIN TONG  
 BENEVOLENT SOCIETY  
 KOWLOON



MAIN CONTRACTOR:  
**Woon Lee Construction Co., Ltd.**

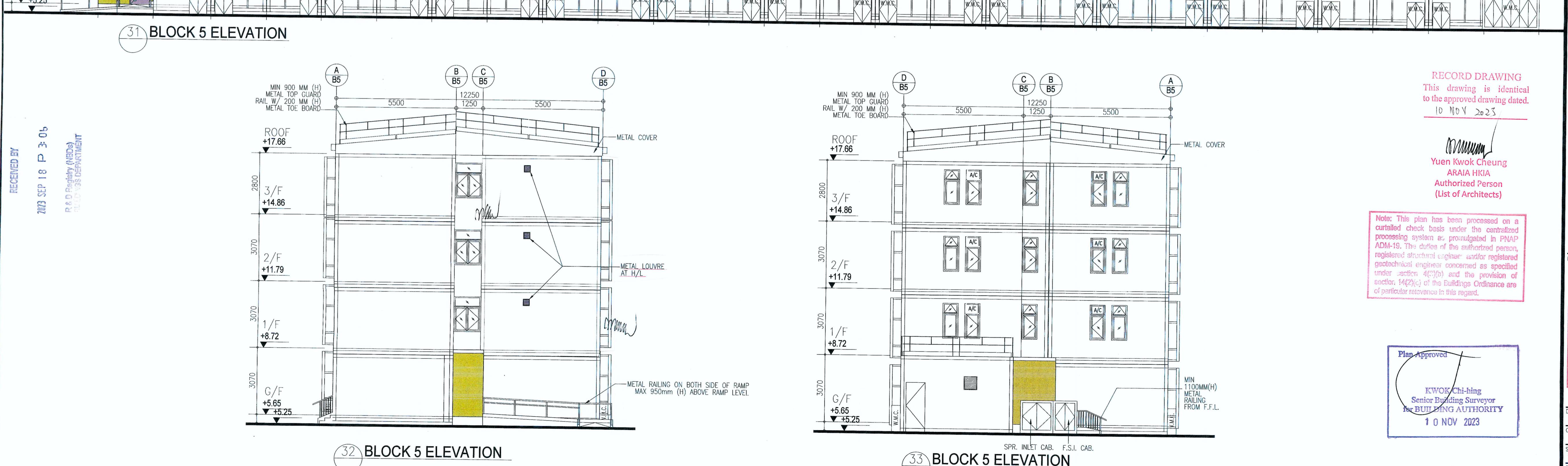
ARCHITECTURAL CONSULTANT (DESIGN & BUILD):  
**馬海**  
 馬海(建築顧問)有限公司  
 Spence Robinson Limited

MIC STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):  
**張耀新建築工程師有限公司**  
 Wilson & Associates Ltd

GEOTECHNICAL ENGINEERING CONSULTANT (DESIGN & BUILD):  
**ARTHUR YUNG AND ASSOCIATES COMPANY LTD.**  
 容亨達工程師事務所

M&E ENGINEER CONSULTANT (DESIGN & BUILD):  
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MIC SUPPLIER:  
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*Yuen Kwok Cheung  
 ARAIA HKIA  
 Authorized Person  
 (List of Architects)*

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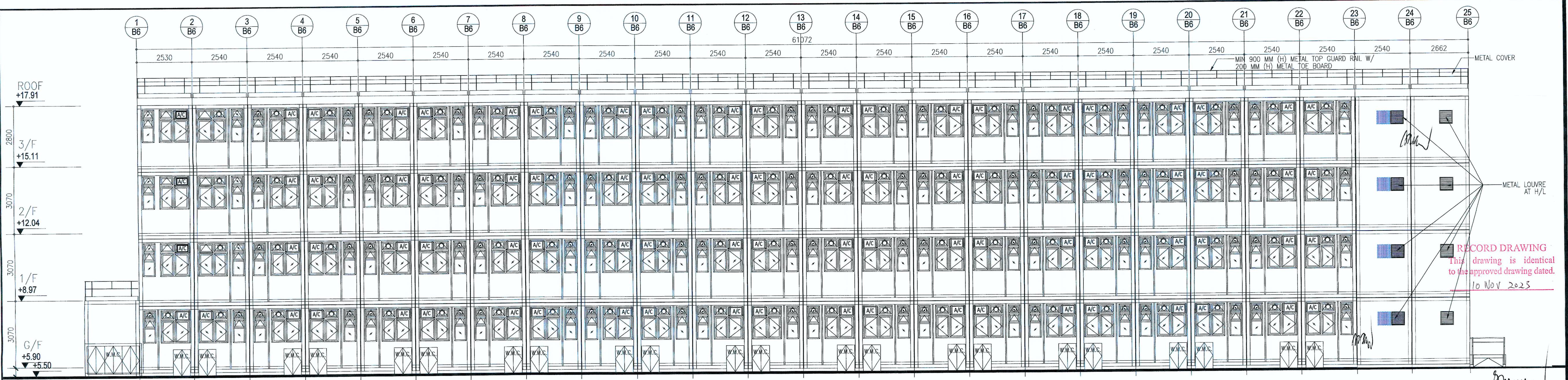
PROJECT:  
 TRANSITIONAL HOUSING PROJECT AT WONG  
 YUE TAN, TAI PO FOR THE LOK SIN TONG  
 BENEVOLENT SOCIETY, KOWLOON

DRAWING TITLE:  
 BLOCK 5 ELEVATIONS

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

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 MS  
 DRAWN: SEP 2023  
 CHECKED BY:  
 APPROVED BY:  
 DATE: SEP 2023  
 DRAWING NO.: AG/02/006  
 PAPER SIZE: A1  
 REVISION: 4

SCALE: 1:100  
 PROJECT: 2732



BD REF. NO.: BD 2/9013/22(TH)  
 FSD REF. NO.: FP 8/31643/13>  
 REVISIONS AND SUBMISSIONS:  
 NO. DATE: DETAIL: CHECKED:  
 4 15/09/23 BD THIRD AMENDMENT  
 3 12/06/23 BD SECOND AMENDMENT  
 2 21/09/22 BD FIRST AMENDMENT  
 1 17/06/22 BD RE-SUBMISSION  
 - 28/02/22 BD FIRST SUBMISSION

*Yuen Kwok Cheung*  
 ARAIA HKIA  
 Authorized Person  
 (List of Architects)

Coloured Amended General Drawing  
 for BD Approval

CLIENT:  
**九龍樂善堂**  
 THE LOK SIN TONG  
 BENEVOLENT SOCIETY  
 KOWLOON  
 九龍樂善堂  
 Since 1880 AD

MAIN CONTRACTOR:  
**Woon Lee Construction Co., Ltd.**

**馬海**  
 馬海(建築顧問)有限公司  
 Spence Robinson Limited

MIC STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):

**張耀新建築工程師有限公司**  
 Wilson & Associates Ltd

GEOTECHNICAL ENGINEERING CONSULTANT (DESIGN & BUILD):

**ARTHUR YUNG AND**  
**ASSOCIATES COMPANY LTD.**  
 容亨達工程師事務所

M&E ENGINEER CONSULTANT (DESIGN & BUILD):  
**TEEM**  
 TELEMAX ENVIRONMENTAL AND  
 ENERGY MANAGEMENT LIMITED

MIC SUPPLIER:  
**CNQCI**  
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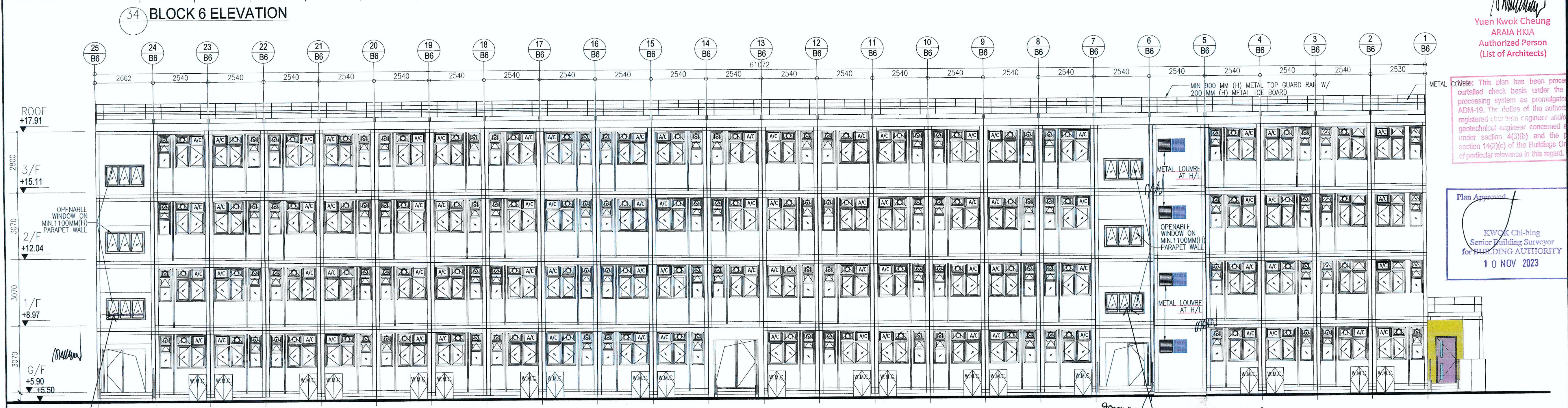
PROJECT:  
**TRANSITIONAL HOUSING PROJECT AT WONG**  
**YUE TAN, TAI PO FOR THE LOK SIN TONG**  
**BENEVOLENT SOCIETY, KOWLOON**

DRAWING TITLE:  
**BLOCK 6 ELEVATIONS**  
**BLOCK 7 ELEVATIONS**

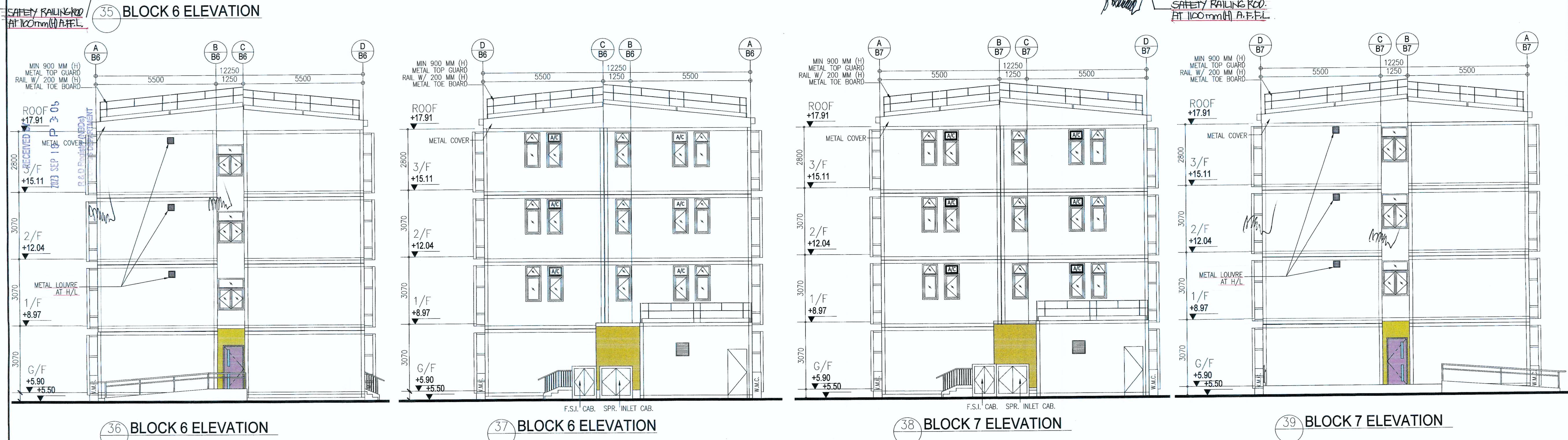
TYPE II WORKS  
 "STATEMENT II : THE WORKS SHOWN ON THESE  
 PLANS ARE TYPE II WORKS.  
 IN RESPECT OF WHICH CONSENT IS APPLIED FOR  
 THE PURPOSE OF FAST TRACK CONSENT  
 APPLICATION UNDER REGULATION 33 OF THE  
 BUILDING (ADMINISTRATION) REGULATIONS."

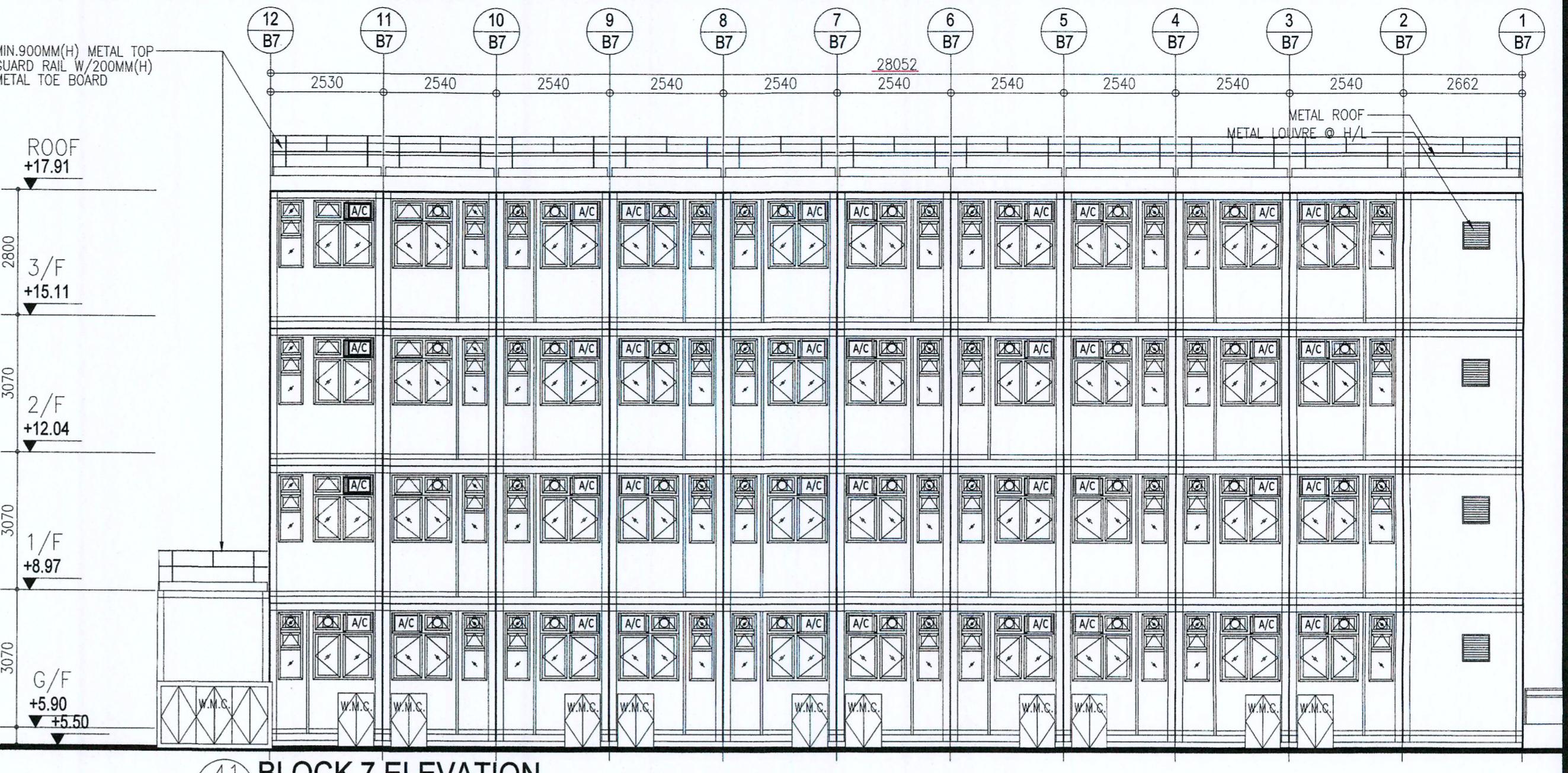
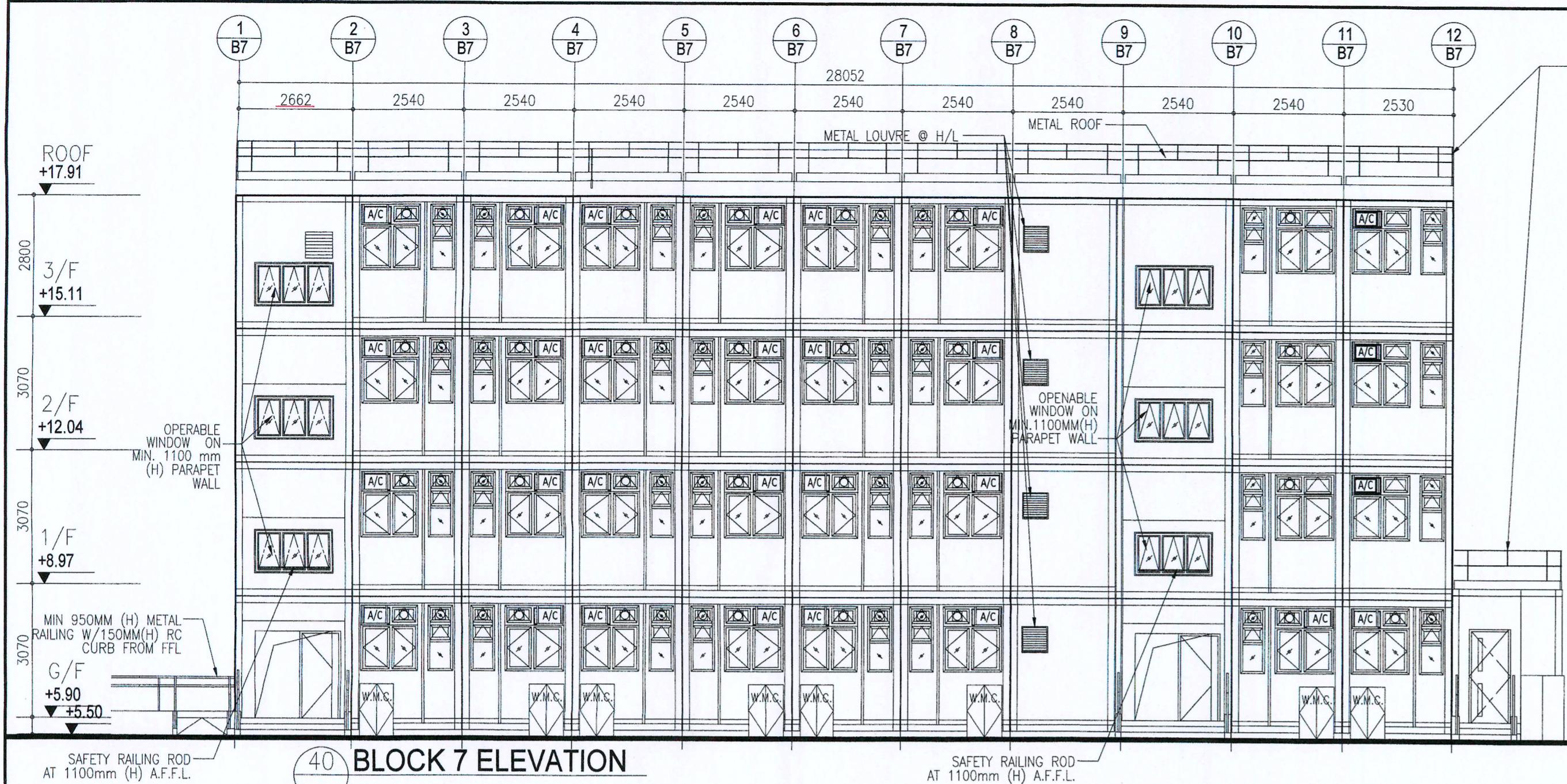
DRAWN BY: DATE: SEP 2023  
 MS  
 CHECKED BY: APPROVED BY:

SCALE: 1:100 PAPER SIZE: A1  
 PROJECT: 2732 DRAWING NO.: AG/02/007  
 REVISION: 4



**Plan Approved**  
 KWOK Chi-hing  
 Senior Building Surveyor  
 for BUILDING AUTHORITY  
 10 NOV 2023





BD REF. NO.: BD 2/9013/22(TH)  
FSD REF. NO.: FP 8/31643<13>  
REVISIONS AND SUBMISSIONS:  
NO.: DATE: DETAILS: CHECKED

5 15/12/23 BD FOUTH AMENDMENT  
4 15/09/23 BD THIRD AMENDMENT  
3 12/06/23 BD SECOND AMENDMENT  
2 21/09/22 BD FIRST AMENDMENT  
1 17/06/22 BD RE-SUBMISSION  
- 28/02/22 BD FIRST SUBMISSION

*Yuen Kwok Cheung*  
ARIA HKIA  
Authorized Person  
(List of Architects)

Coloured Amended General Drawing  
for BD Approval



MAIN CONTRACTOR



ARCHITECTURAL CONSULTANT (DESIGN & BUILD):  
**馬海**  
馬海(建築顧問)有限公司  
Spence Robinson Limited

MIC STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):  
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Wilson & Associates Ltd

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容亨達工程師事務所

M&E ENGINEER CONSULTANT (DESIGN & BUILD):  
**TEEM**  
TELEMAX ENVIRONMENTAL AND ENERGY MANAGEMENT LIMITED

MIC SUPPLIER:  
**CNQCI**  
Subsidiary of CNQCI International Holdings Limited (HKEX 1240)

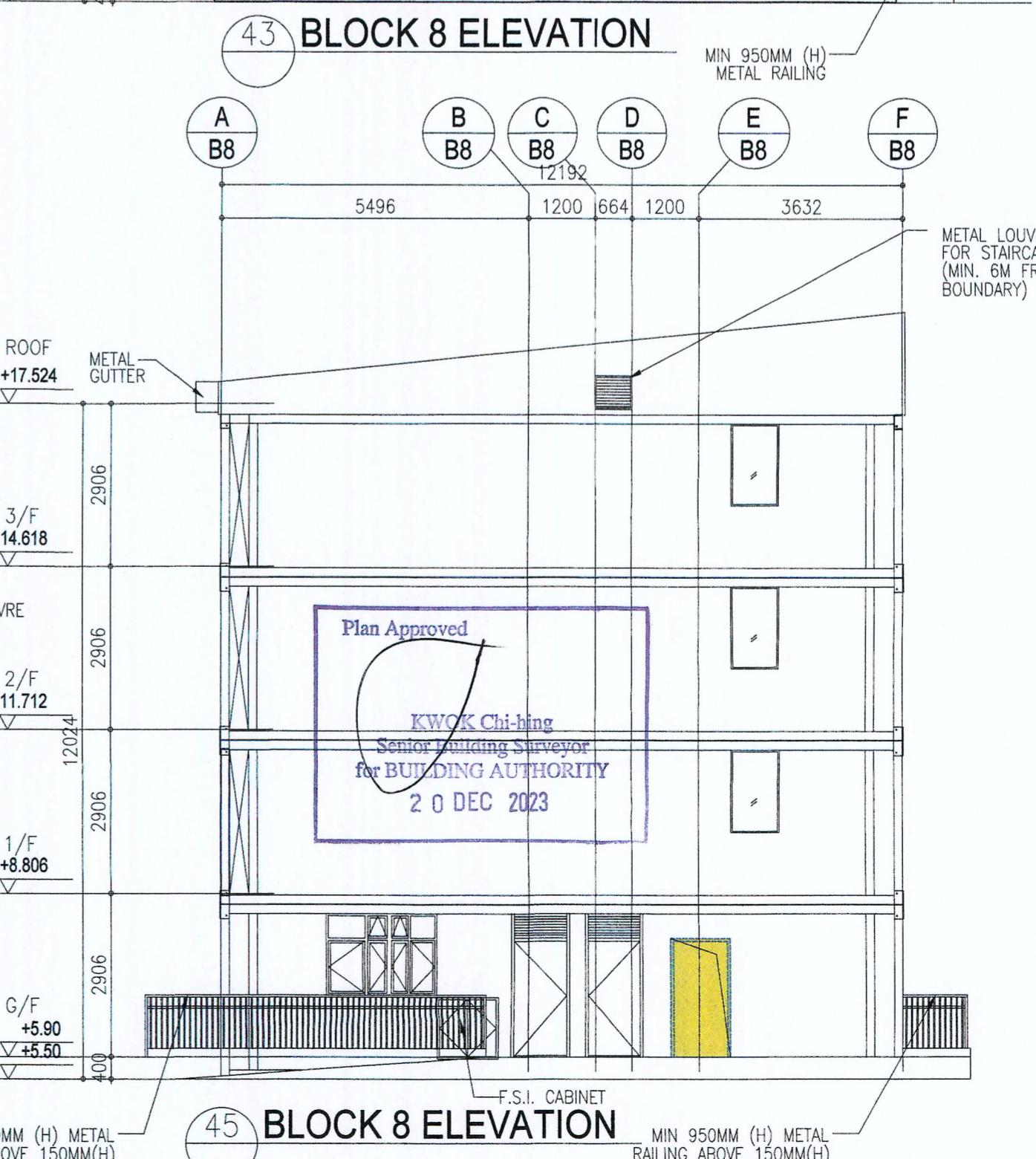
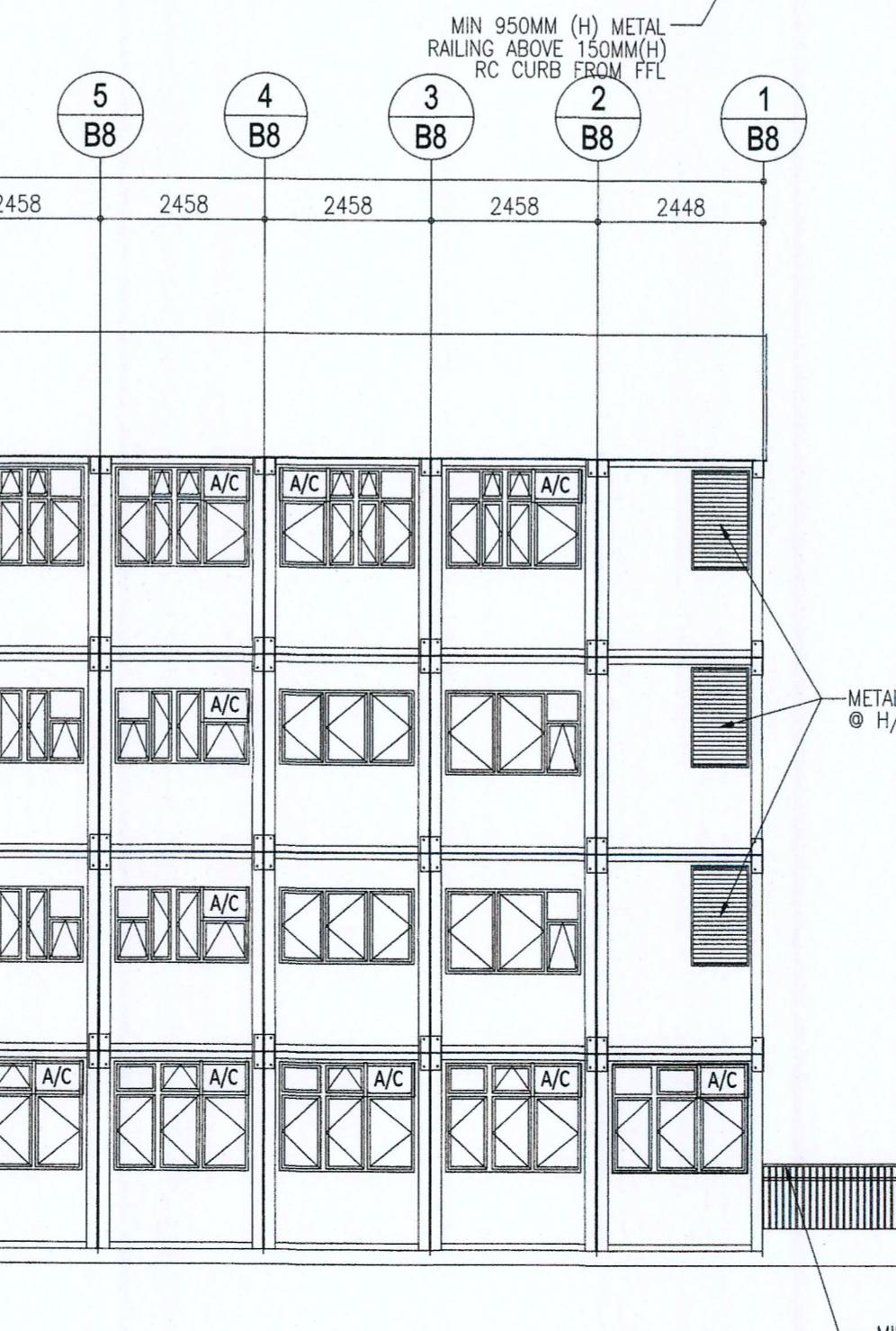
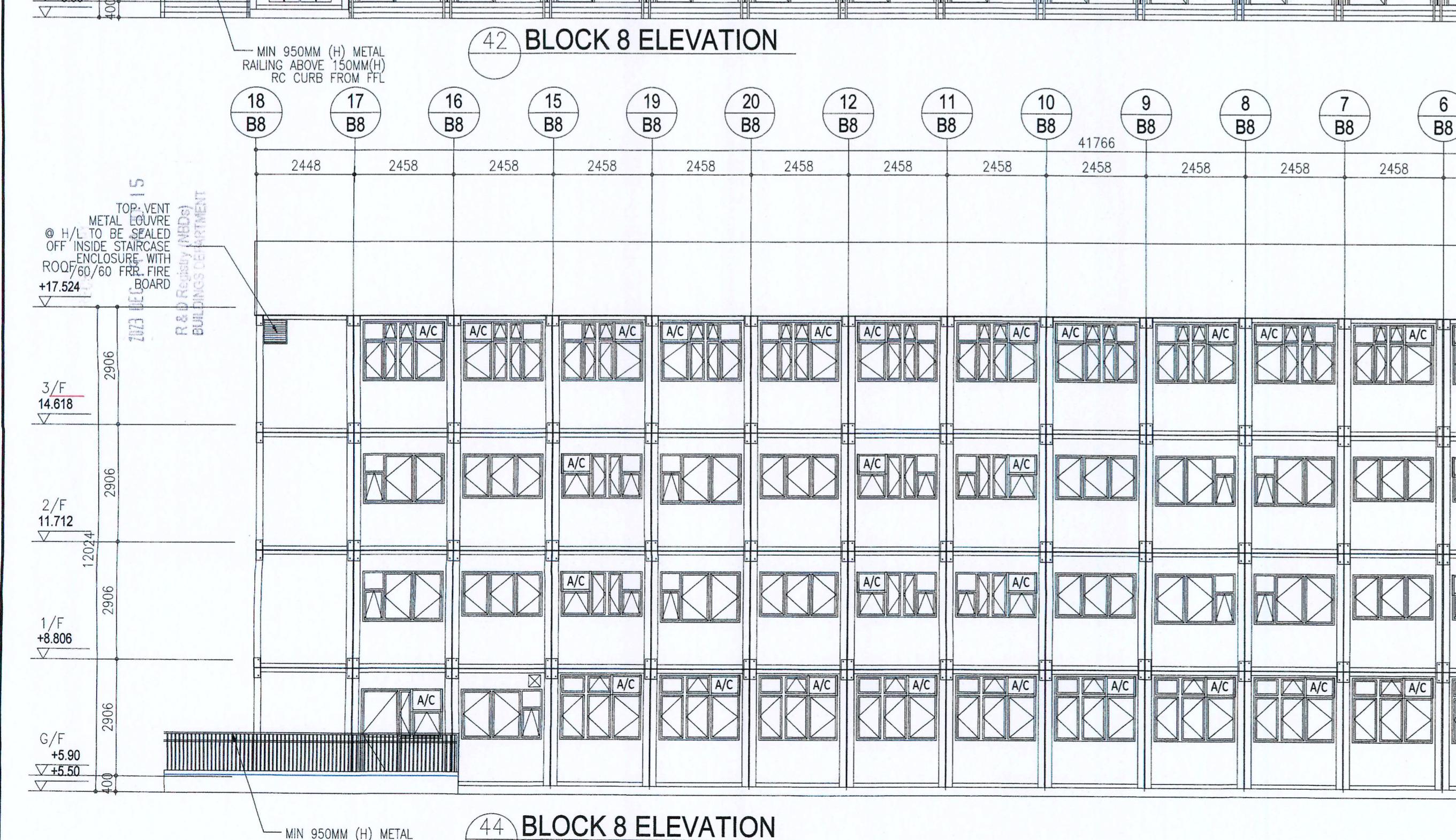
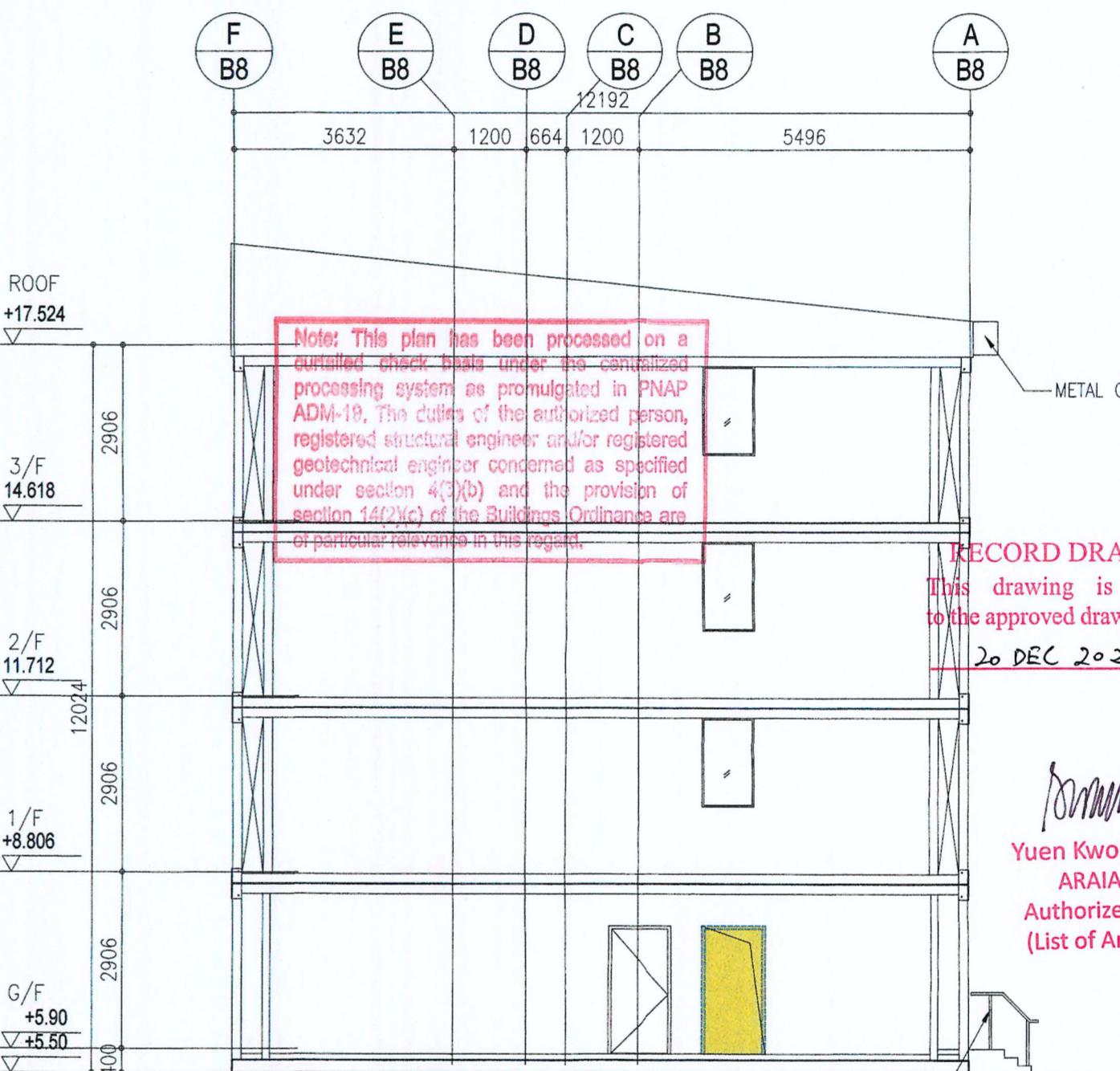
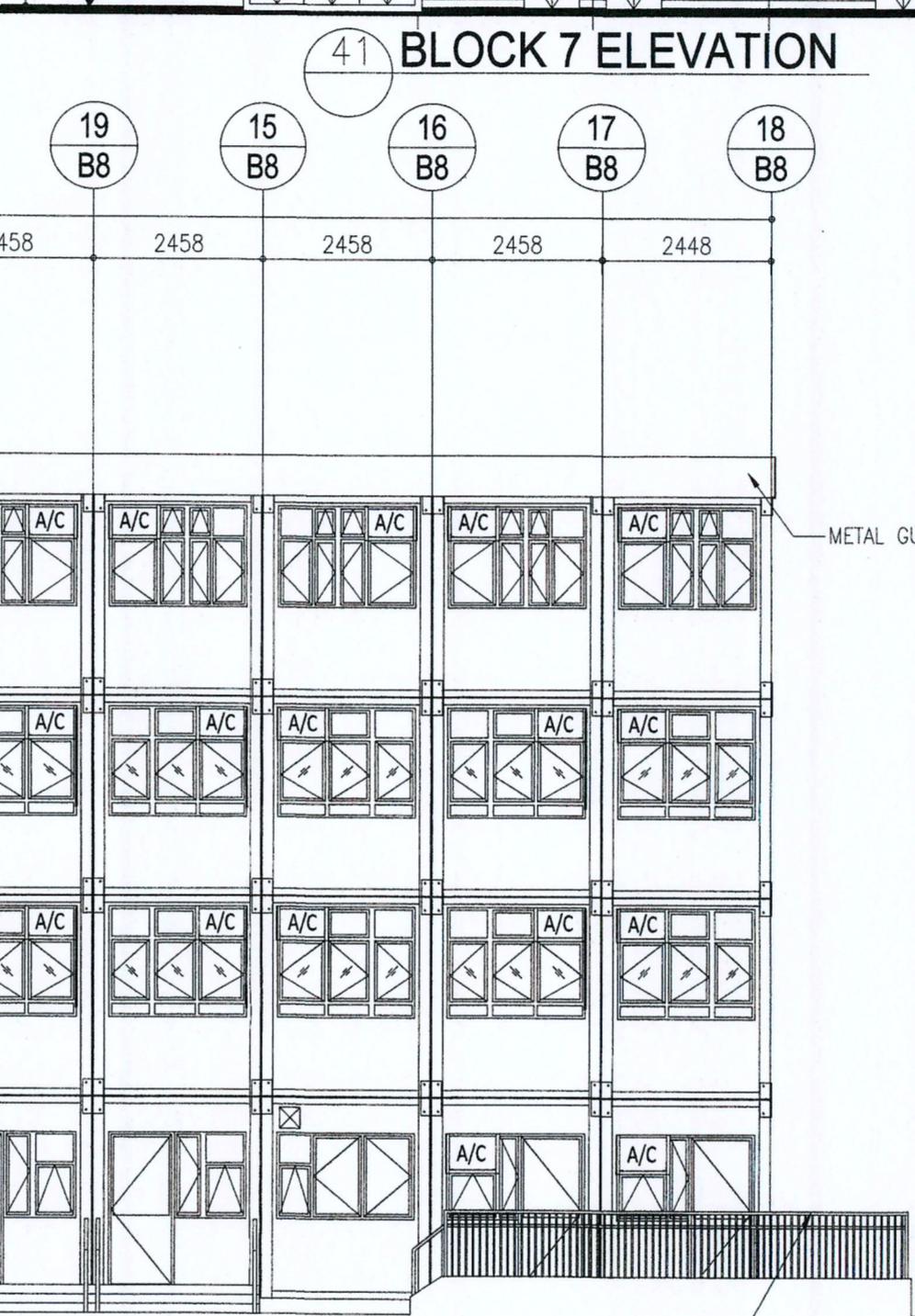
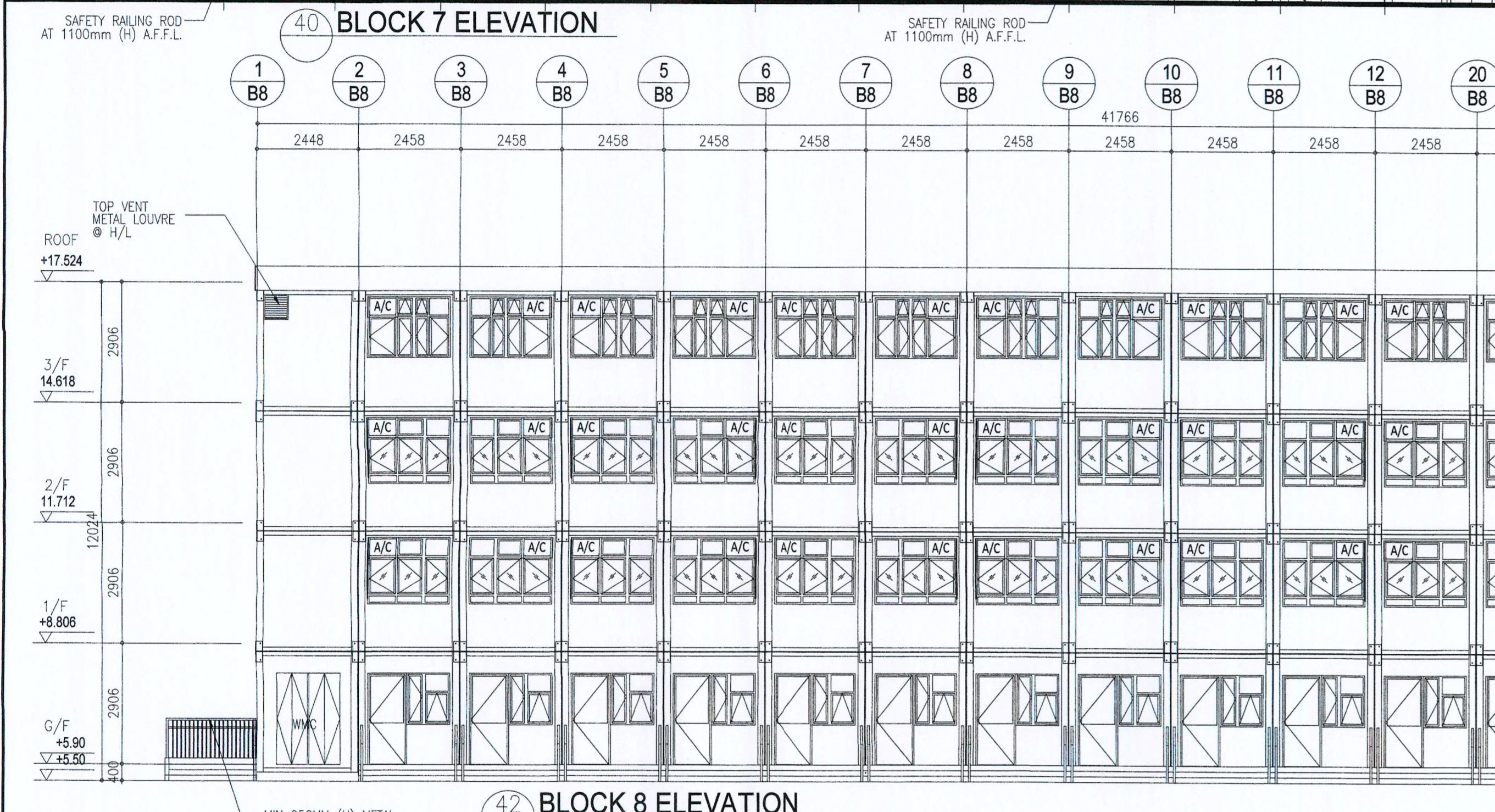
NOTES:  
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4. Prints showing the last revision are to be cancelled.  
5. Prints without an authorized signature in the checked and approved spaces below and after the last revision above are NOT valid for use outside S.R.L.  
PROJECT:

TRANSITIONAL HOUSING PROJECT AT WONG YUE TAN, TAI PO FOR THE LOK SIN TONG BENEVOLENT SOCIETY, KOWLOON

DRAWING TITLE:  
BLOCK 7 ELEVATIONS  
BLOCK 8 ELEVATIONS

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

DRAWN BY: DATE: SEP 2023  
CC  
CHECKED BY: APPROVED BY:  
SCALE: 1:100  
PROJECT: DRAWING NO.: AG/02/008  
PAPER SIZE: A1  
REVISION: 5  
2732



BD REF. NO.: BD 2/9013/22(TH)
FSD REF. NO.: FP 8/31643<13>
REVISIONS AND SUBMISSIONS:
NO. DATE: DETAILS: CHECKED:
2/21/09/22 BD RE-SUBMISSION
1/17/06/22 BD RE-SUBMISSION
- 26/02/22 BD FIRST SUBMISSION

*Yuen Kwok Cheung*  
ARIAA HKIA  
Authorized Person  
(List of Architects)

Coloured Amended General Drawing  
for BD Approval



MAIN CONTRACTOR



ARCHITECTURAL CONSULTANT (DESIGN & BUILD):



MIC STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):

馬海(建築顧問)有限公司

Spence Robinson Limited

張耀新建築工程師有限公司

Wilson & Associates Ltd

GEOTECHNICAL ENGINEERING CONSULTANT (DESIGN & BUILD):



M&E ENGINEER CONSULTANT (DESIGN & BUILD):



MIC SUPPLIER:



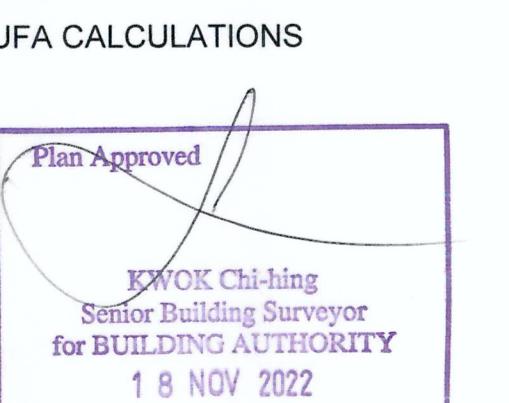
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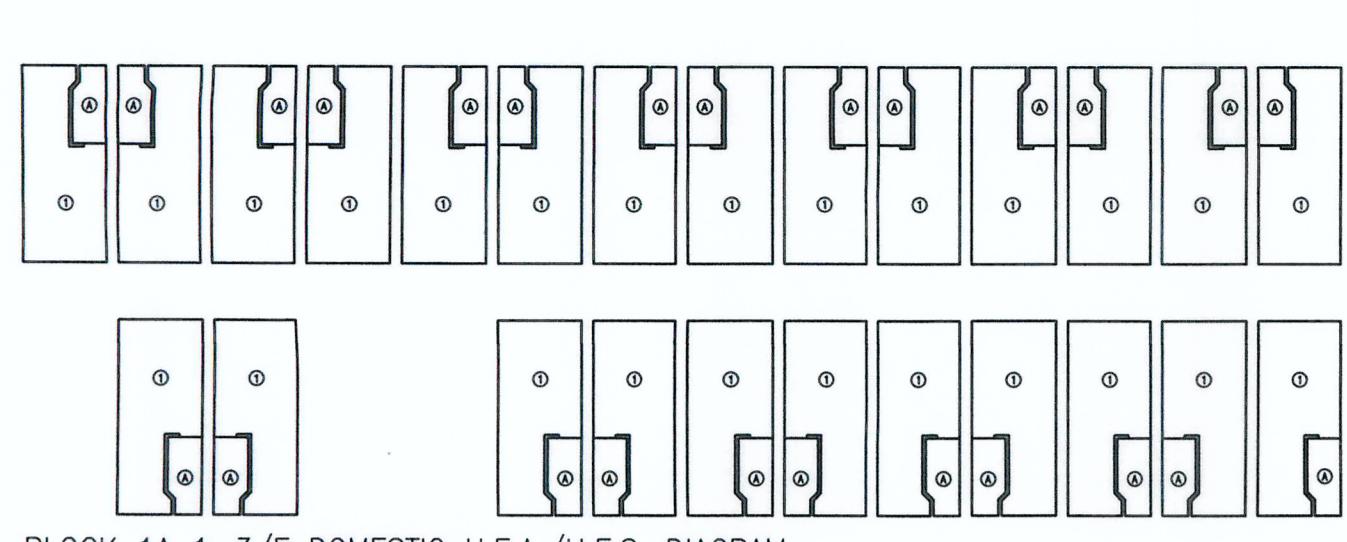
PROJECT:

TRANSITIONAL HOUSING PROJECT AT WONG YUE TAN, TAI PO FOR THE LOK SIN TONG BENEVOLENT SOCIETY, KOWLOON

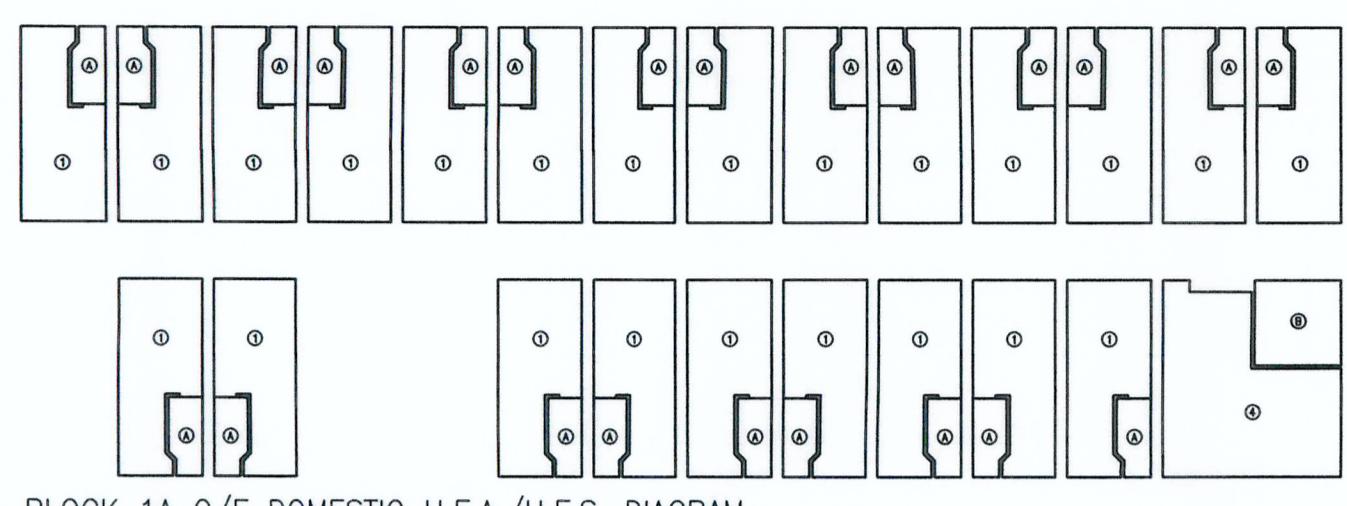
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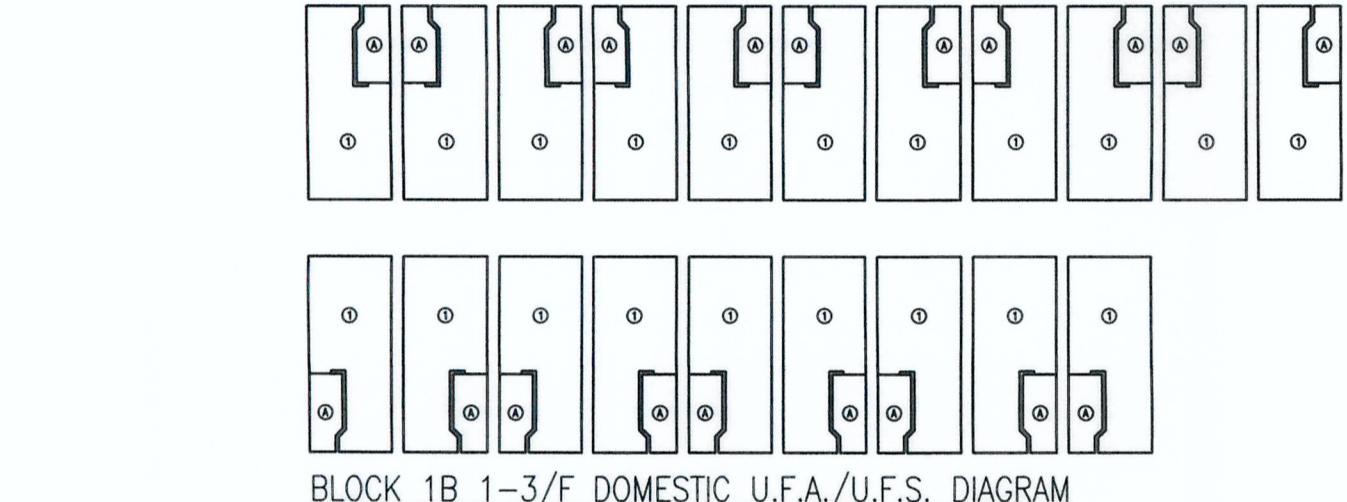
DRAWN BY: PT DATE: SEP 2022  
CHECKED BY: CMD APPROVED BY: KCY  
SCALE: 1:200 PAPER SIZE: A1  
PROJECT: 2732 DRAWING NO: AG/04/001 REVISION: 2



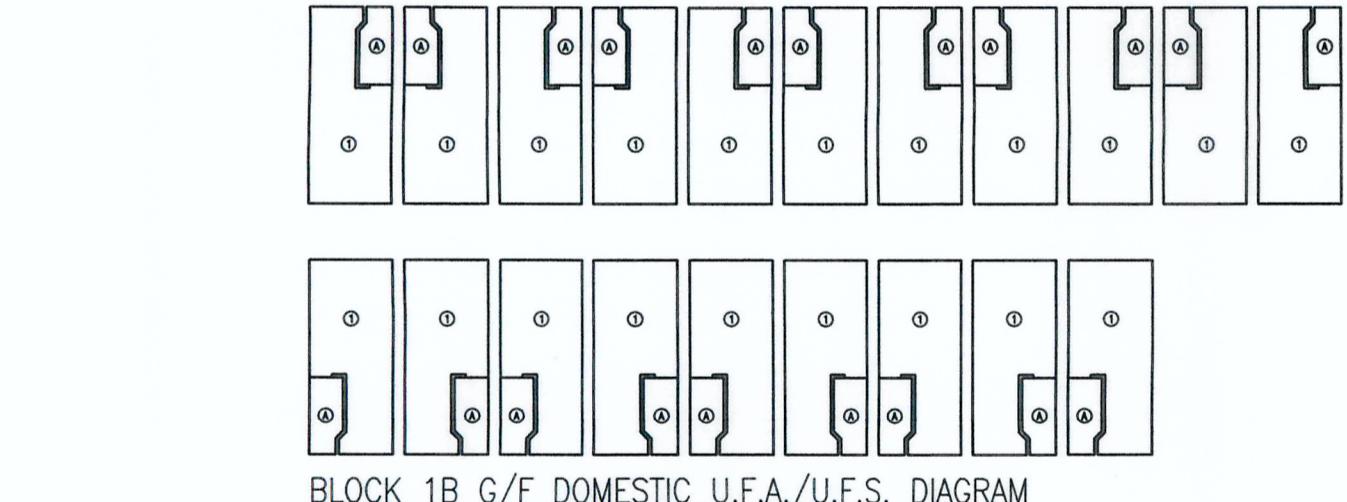
BLOCK 1A 1-3/F DOMESTIC U.F.A./U.F.S. DIAGRAM



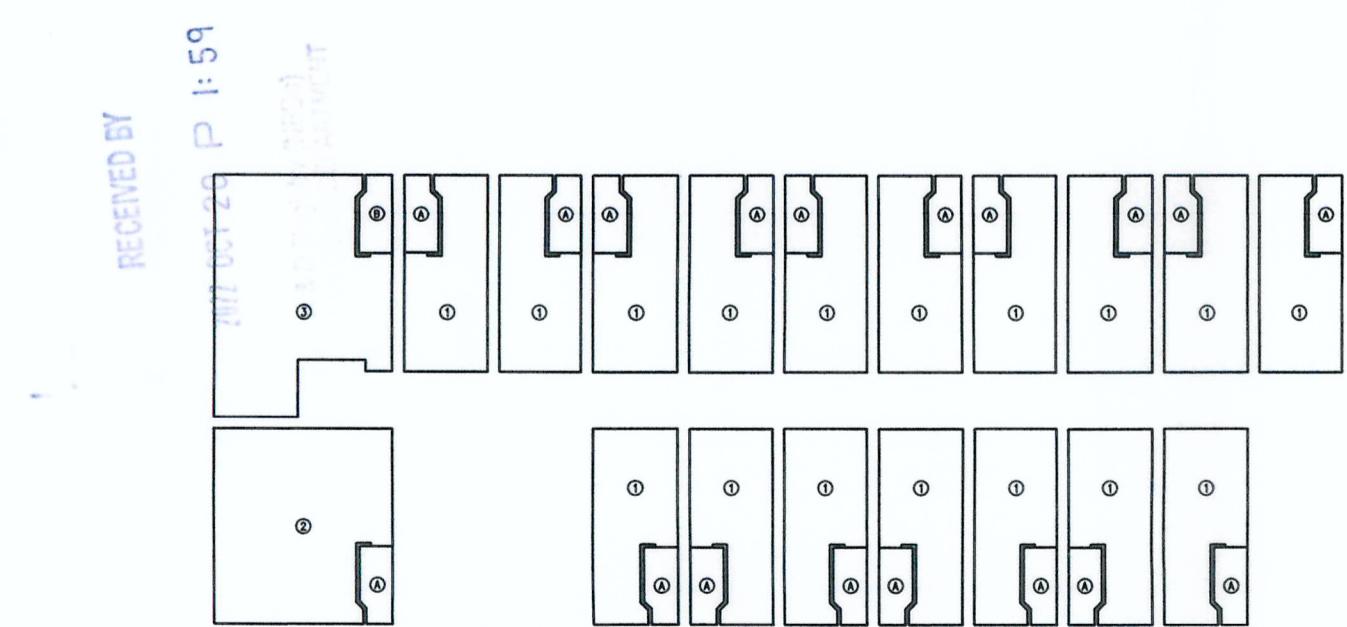
BLOCK 1A G/F DOMESTIC U.F.A./U.F.S. DIAGRAM



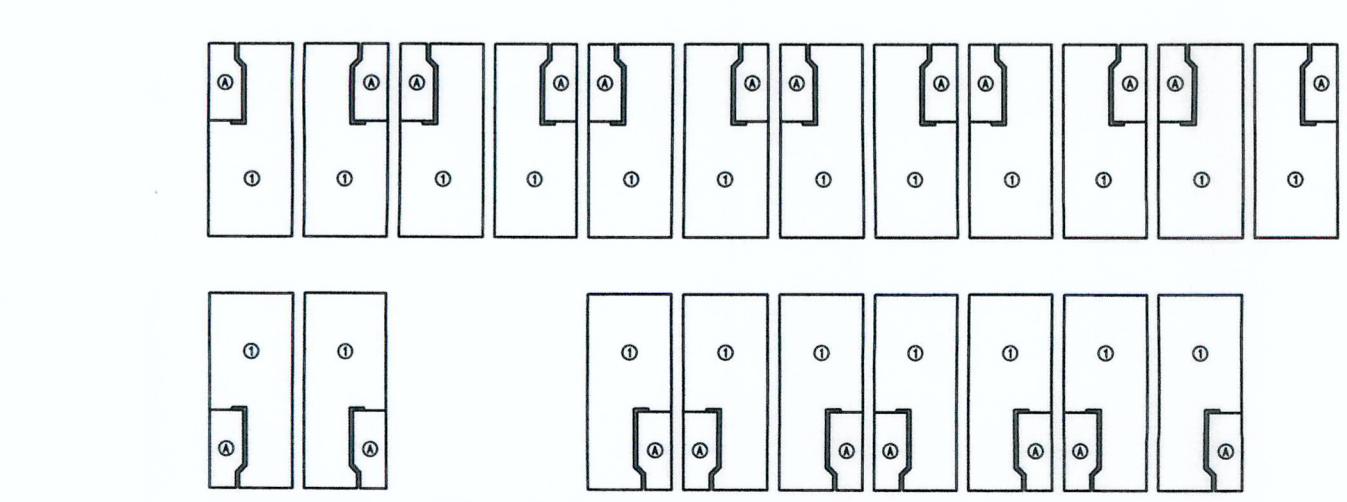
BLOCK 1B 1-3/F DOMESTIC U.F.A./U.F.S. DIAGRAM



BLOCK 1B G/F DOMESTIC U.F.A./U.F.S. DIAGRAM



BLOCK 2A 1-3/F DOMESTIC U.F.A./U.F.S. DIAGRAM



BLOCK 2A G/F DOMESTIC U.F.A./U.F.S. DIAGRAM

BLOCK 1A 1-3/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
25 x ① STUDIO 9.632 m<sup>2</sup> x 25 = 240.800 m<sup>2</sup>  
SUB-TOTAL = 240.800 m<sup>2</sup>  
25 x ④ LAVATORY 1.765 m<sup>2</sup> x 25 = 44.125 m<sup>2</sup>

BLOCK 1A G/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
23 x ① STUDIO 9.632 m<sup>2</sup> x 23 = 221.536 m<sup>2</sup>  
1 x ④ LIVING/ DINING 18.748 m<sup>2</sup> x 1 = 18.748 m<sup>2</sup>  
SUB-TOTAL = 240.284 m<sup>2</sup>  
23 x ④ LAVATORY 1.765 m<sup>2</sup> x 23 = 40.595 m<sup>2</sup>  
1 x ④ LAVATORY 5.208 m<sup>2</sup> x 1 = 5.208 m<sup>2</sup>

BLOCK 1A TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
240.800 x 3 + 240.284 = 962.684 m<sup>2</sup>

BLOCK 1B 1-3/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
20 x ① STUDIO 9.632 m<sup>2</sup> x 20 = 192.640 m<sup>2</sup>  
SUB-TOTAL = 192.640 m<sup>2</sup>  
20 x ④ LAVATORY 1.765 m<sup>2</sup> x 20 = 35.300 m<sup>2</sup>

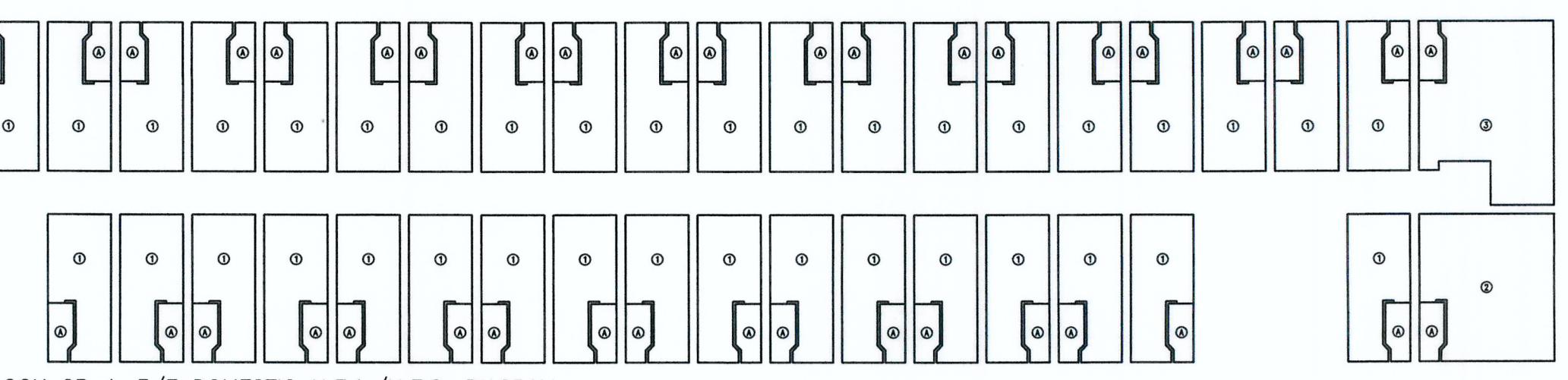
BLOCK 1B G/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
20 x ① STUDIO 9.632 m<sup>2</sup> x 20 = 192.640 m<sup>2</sup>  
SUB-TOTAL = 192.640 m<sup>2</sup>  
20 x ④ LAVATORY 1.765 m<sup>2</sup> x 20 = 35.300 m<sup>2</sup>

BLOCK 1B TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
192.640 x 3 + 192.640 = 770.560 m<sup>2</sup>

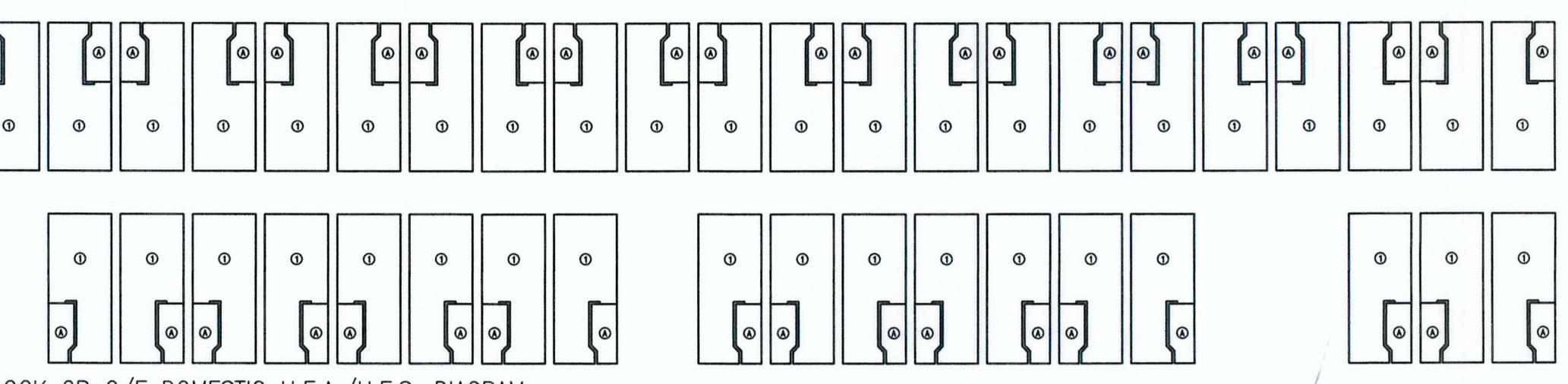
BLOCK 2A 1-3/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
17 x ① STUDIO 9.632 m<sup>2</sup> x 17 = 163.744 m<sup>2</sup>  
1 x ④ LIVING/ DINING 22.916 m<sup>2</sup> x 1 = 22.916 m<sup>2</sup>  
1 x ③ LIVING/ DINING 25.083 m<sup>2</sup> x 1 = 25.083 m<sup>2</sup>  
SUB-TOTAL = 211.743 m<sup>2</sup>  
19 x ④ LAVATORY 1.765 m<sup>2</sup> x 19 = 33.535 m<sup>2</sup>

BLOCK 2A G/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
21 x ① STUDIO 9.632 m<sup>2</sup> x 21 = 202.272 m<sup>2</sup>  
SUB-TOTAL = 202.272 m<sup>2</sup>  
21 x ④ LAVATORY 1.765 m<sup>2</sup> x 21 = 37.065 m<sup>2</sup>

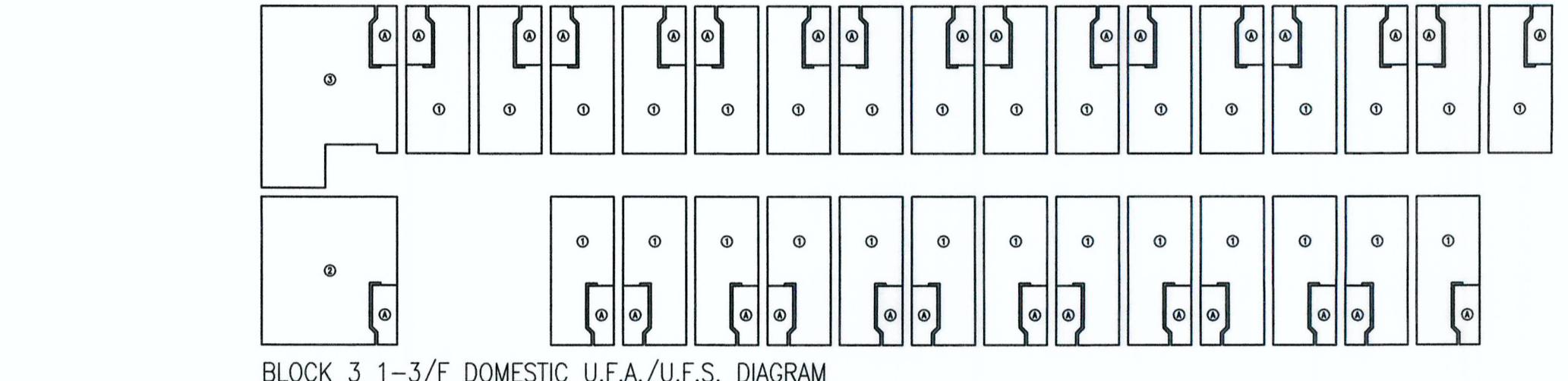
BLOCK 2A TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
211.743 x 3 + 202.272 = 837.501 m<sup>2</sup>



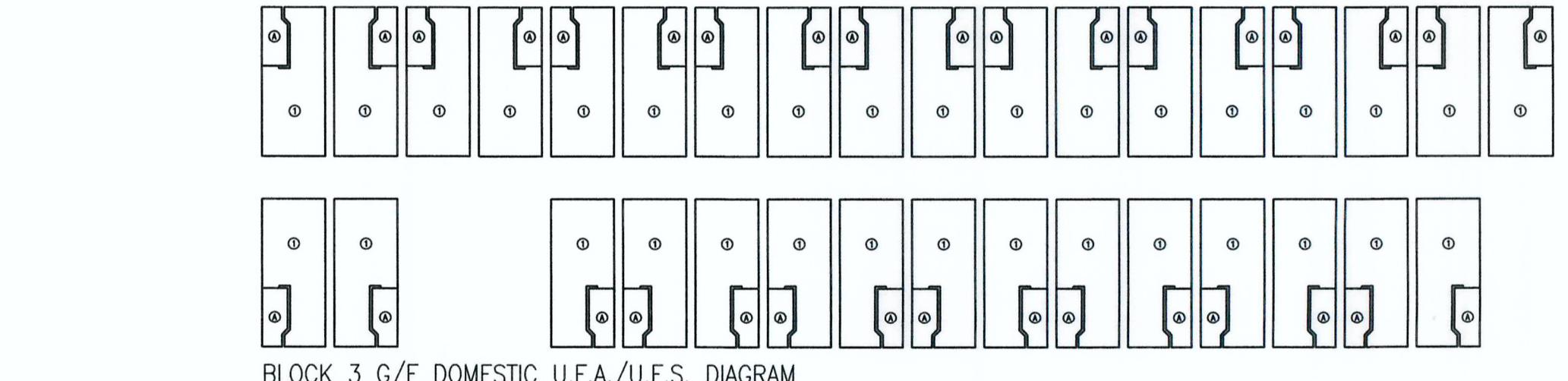
BLOCK 2B 1-3/F DOMESTIC U.F.A./U.F.S. DIAGRAM



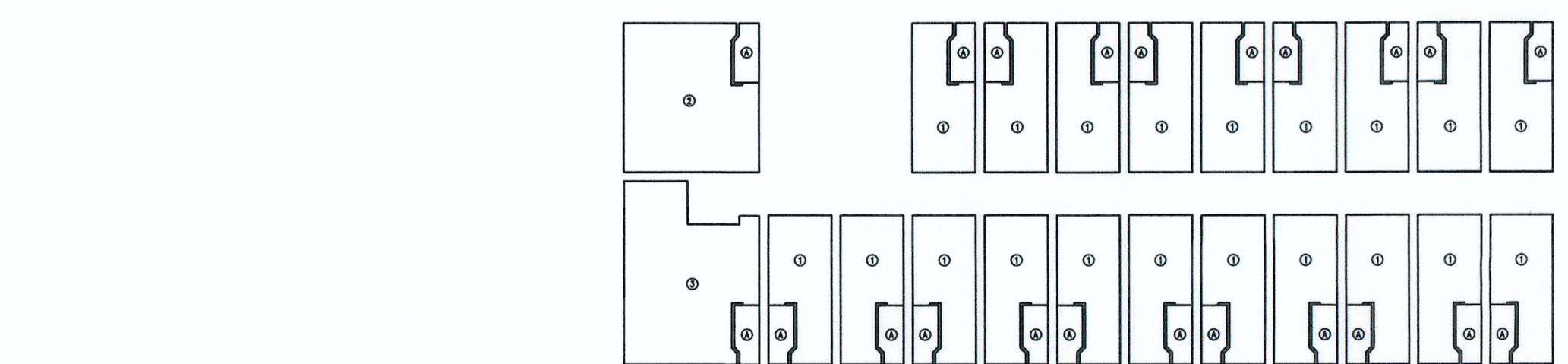
BLOCK 2B G/F DOMESTIC U.F.A./U.F.S. DIAGRAM



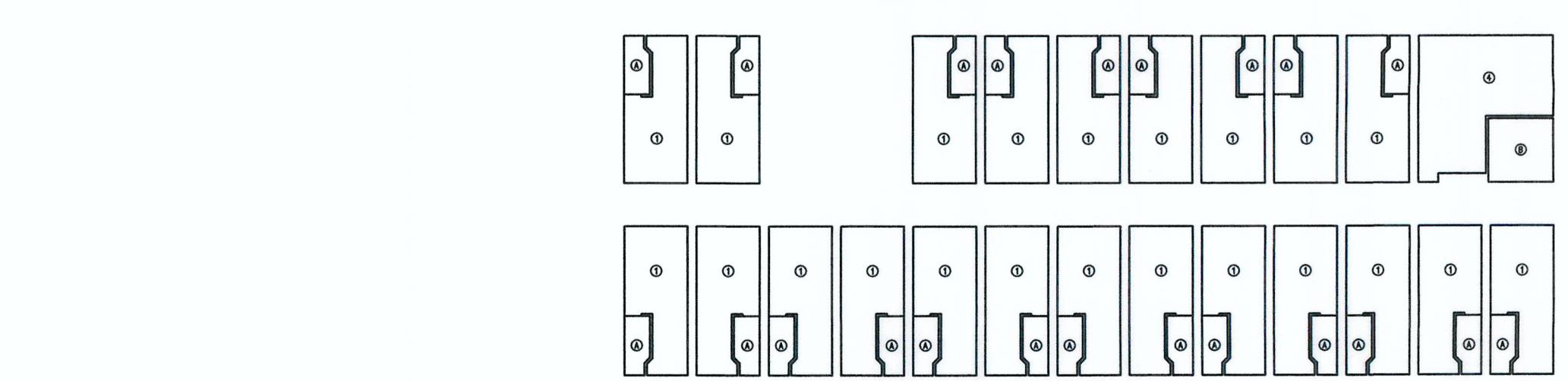
BLOCK 3 1-3/F DOMESTIC U.F.A./U.F.S. DIAGRAM



BLOCK 3 G/F DOMESTIC U.F.A./U.F.S. DIAGRAM



BLOCK 4A 1-3/F DOMESTIC U.F.A./U.F.S. DIAGRAM



BLOCK 4A G/F DOMESTIC U.F.A./U.F.S. DIAGRAM

BLOCK 2B 1-3/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
37 x ① STUDIO 9.632 m<sup>2</sup> x 37 = 356.384 m<sup>2</sup>  
1 x ② LIVING/ DINING 22.916 m<sup>2</sup> x 1 = 22.916 m<sup>2</sup>  
1 x ③ LIVING/ DINING 25.083 m<sup>2</sup> x 1 = 25.083 m<sup>2</sup>  
SUB-TOTAL = 404.383 m<sup>2</sup>  
39 x ④ LAVATORY 1.765 m<sup>2</sup> x 39 = 68.835 m<sup>2</sup>

BLOCK 2B G/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
40 x ① STUDIO 9.632 m<sup>2</sup> x 40 = 385.280 m<sup>2</sup>  
SUB-TOTAL = 385.280 m<sup>2</sup>  
40 x ④ LAVATORY 1.765 m<sup>2</sup> x 40 = 70.600 m<sup>2</sup>

BLOCK 2B TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
404.383 x 3 + 385.280 = 1598.429 m<sup>2</sup>

BLOCK 3 1-3/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
29 x ① STUDIO 9.632 m<sup>2</sup> x 29 = 279.328 m<sup>2</sup>  
1 x ② LIVING/ DINING 22.916 m<sup>2</sup> x 1 = 22.916 m<sup>2</sup>  
1 x ③ LIVING/ DINING 25.083 m<sup>2</sup> x 1 = 25.083 m<sup>2</sup>  
SUB-TOTAL = 327.327 m<sup>2</sup>  
31 x ④ LAVATORY 1.765 m<sup>2</sup> x 31 = 54.715 m<sup>2</sup>

BLOCK 3 G/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
33 x ① STUDIO 9.632 m<sup>2</sup> x 33 = 317.856 m<sup>2</sup>  
SUB-TOTAL = 317.856 m<sup>2</sup>  
33 x ④ LAVATORY 1.765 m<sup>2</sup> x 33 = 58.245 m<sup>2</sup>

BLOCK 3 TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
327.327 x 3 + 317.856 = 1299.837 m<sup>2</sup>

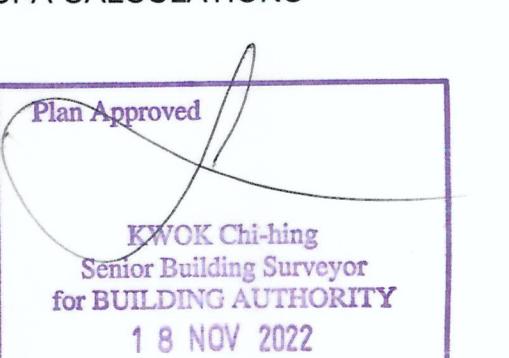
Note: This plan has been processed on a centralized check basis under the centralized processing system as promulgated in PNAP ADM-19. The duties of the authorized person, registered structural engineer and registered quantity surveyor are concerned as specified under section 4(3)(b) and the provision of section 14(2)(c) of the Building Ordinance are of particular relevance in this regard.

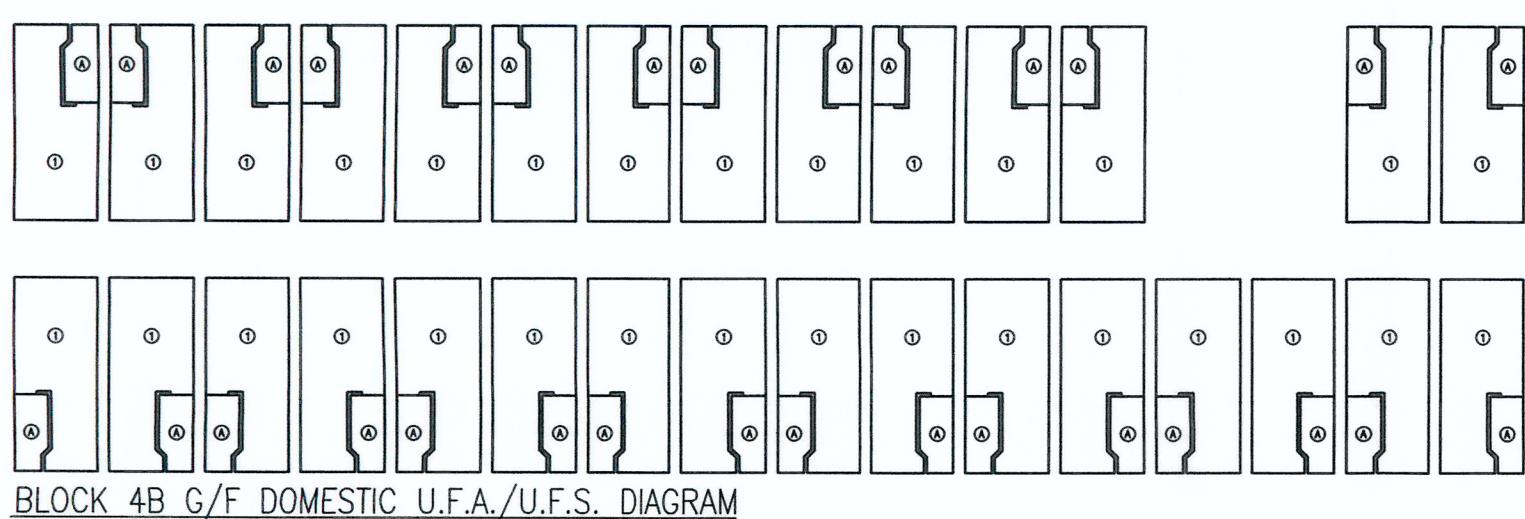
BLOCK 4A 1-3/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
20 x ① STUDIO 9.632 m<sup>2</sup> x 20 = 192.640 m<sup>2</sup>  
1 x ② LIVING/ DINING 22.916 m<sup>2</sup> x 1 = 22.916 m<sup>2</sup>  
1 x ③ LIVING/ DINING 25.083 m<sup>2</sup> x 1 = 25.083 m<sup>2</sup>  
SUB-TOTAL = 240.639 m<sup>2</sup>  
22 x ④ LAVATORY 1.765 m<sup>2</sup> x 22 = 38.830 m<sup>2</sup>

BLOCK 4A G/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
22 x ① STUDIO 9.632 m<sup>2</sup> x 22 = 211.904 m<sup>2</sup>  
1 x ④ STUDIO 18.748 m<sup>2</sup> x 1 = 18.748 m<sup>2</sup>  
SUB-TOTAL = 230.652 m<sup>2</sup>  
22 x ④ LAVATORY 1.765 m<sup>2</sup> x 22 = 38.830 m<sup>2</sup>  
1 x ④ LAVATORY 5.208 m<sup>2</sup> x 1 = 5.208 m<sup>2</sup>

BLOCK 4A TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
240.639 x 3 + 230.652 = 952.569 m<sup>2</sup>

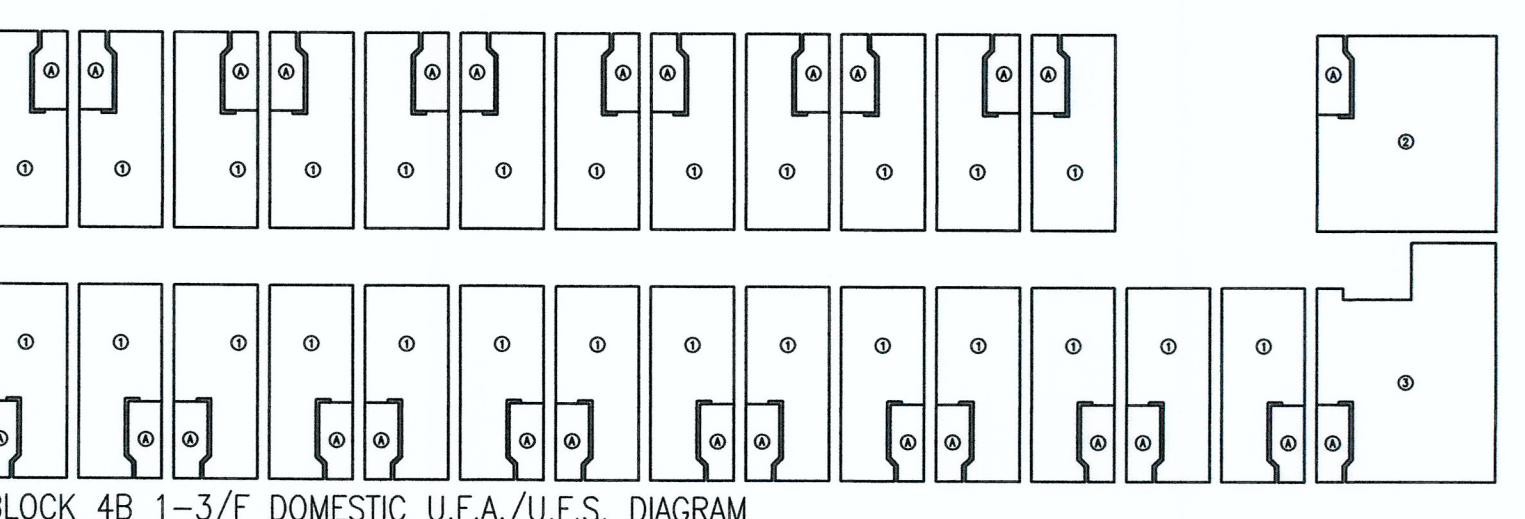
UFA CALCULATIONS





BLOCK 4B G/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
 30 x ① STUDIO  $9.632 \text{ m}^2 \times 30 = 288.960 \text{ m}^2$   
 SUB-TOTAL = 288.960 m<sup>2</sup>  
 30 x ④ LAVATORY  $1.765 \text{ m}^2 \times 30 = 52.950 \text{ m}^2$

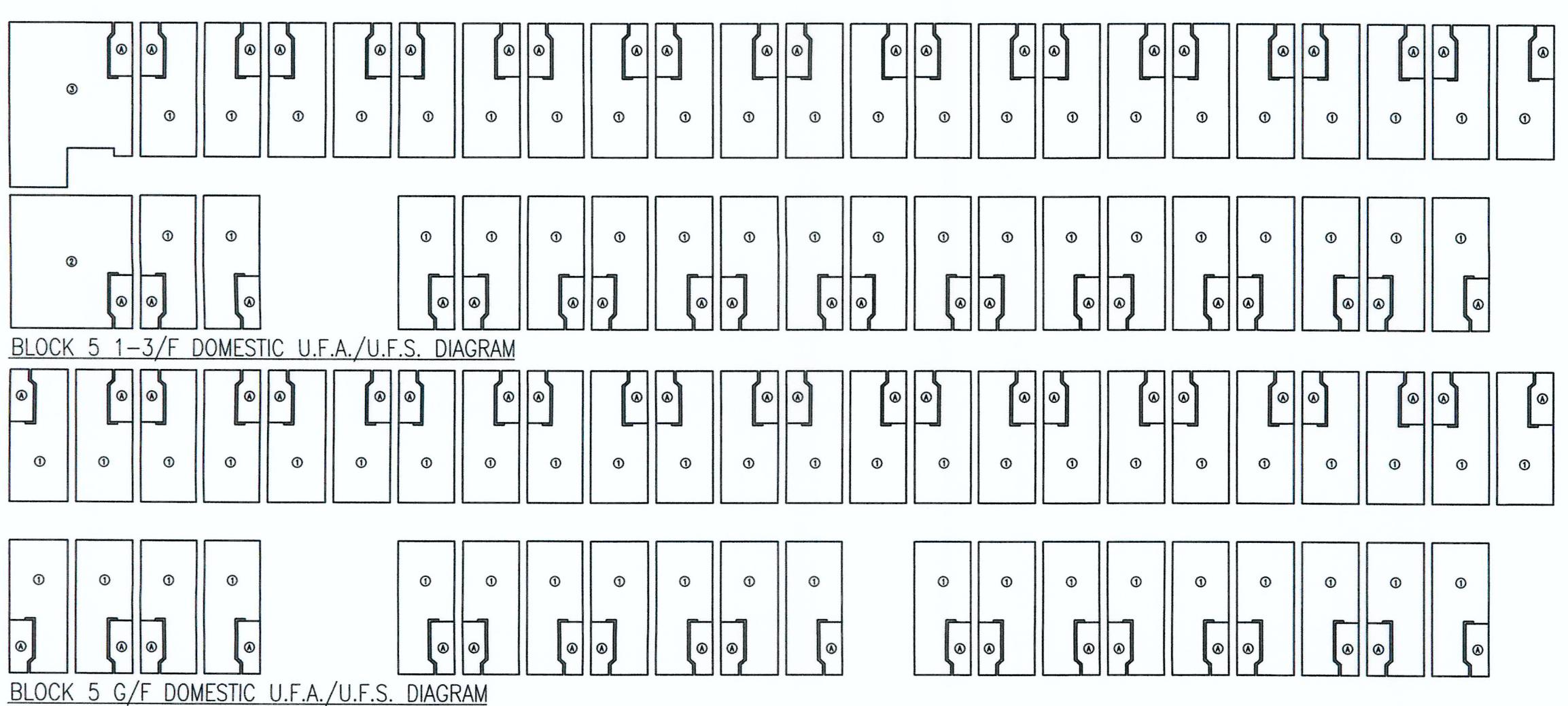
BLOCK 4B TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
 $298.431 \times 3 + 288.960 = 1184.253 \text{ m}^2$



BLOCK 4B 1-3/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
 26 x ① STUDIO  $9.632 \text{ m}^2 \times 26 = 250.432 \text{ m}^2$   
 1 x ② LIVING/ DINING  $22.916 \text{ m}^2 \times 1 = 22.916 \text{ m}^2$   
 1 x ③ LIVING/ DINING  $25.083 \text{ m}^2 \times 1 = 25.083 \text{ m}^2$   
 SUB-TOTAL = 298.431 m<sup>2</sup>  
 28 x ④ LAVATORY  $1.765 \text{ m}^2 \times 28 = 49.420 \text{ m}^2$

RECORD DRAWING  
 This drawing is identical to the approved drawing dated.  
 19 Nov 2022

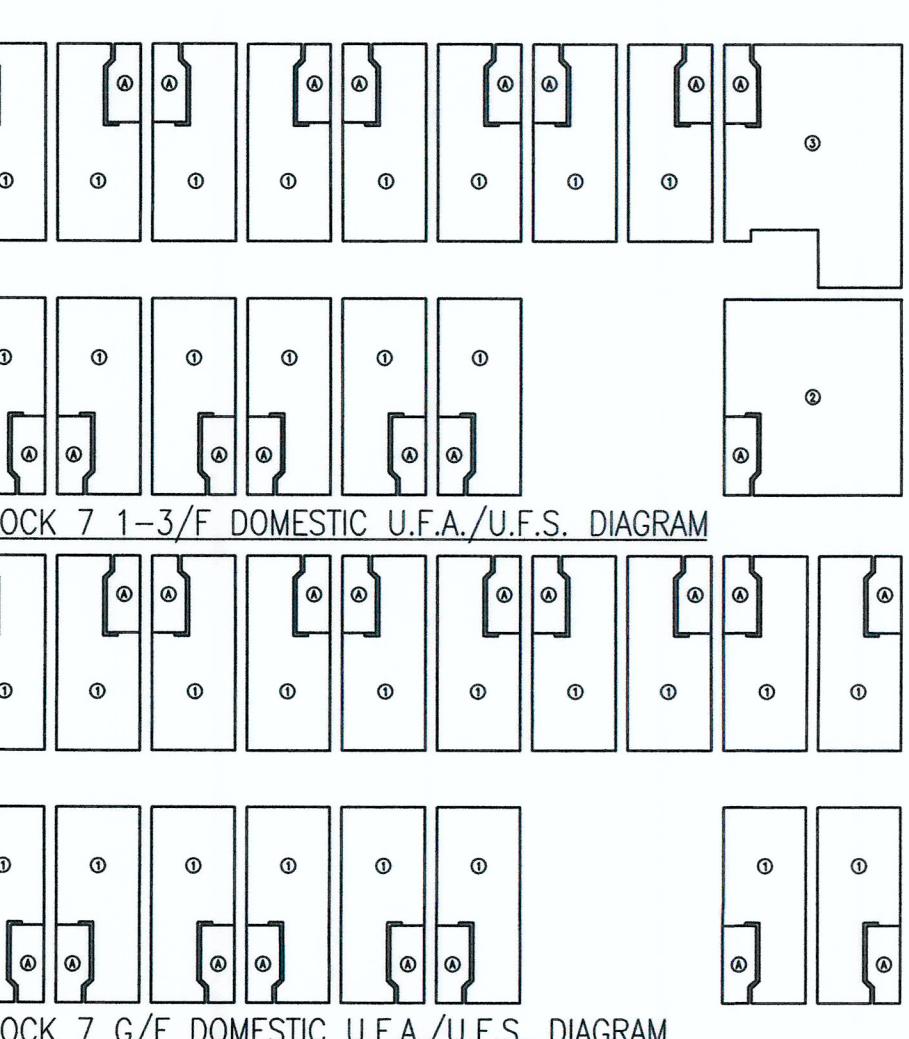
Yuen Kwok Cheung  
 ARAIA HKIA  
 Authorized Person  
 (List of Architects)



BLOCK 5 1-3/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
 41 x ① STUDIO  $9.632 \text{ m}^2 \times 41 = 394.912 \text{ m}^2$   
 1 x ② LIVING/ DINING  $22.916 \text{ m}^2 \times 1 = 22.916 \text{ m}^2$   
 1 x ③ LIVING/ DINING  $25.083 \text{ m}^2 \times 1 = 25.083 \text{ m}^2$   
 SUB-TOTAL = 442.911 m<sup>2</sup>  
 43 x ④ LAVATORY  $1.765 \text{ m}^2 \times 43 = 75.895 \text{ m}^2$

BLOCK 5 G/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
 44 x ① STUDIO  $9.632 \text{ m}^2 \times 44 = 423.808 \text{ m}^2$   
 SUB-TOTAL = 423.808 m<sup>2</sup>  
 44 x ④ LAVATORY  $1.765 \text{ m}^2 \times 44 = 77.660 \text{ m}^2$

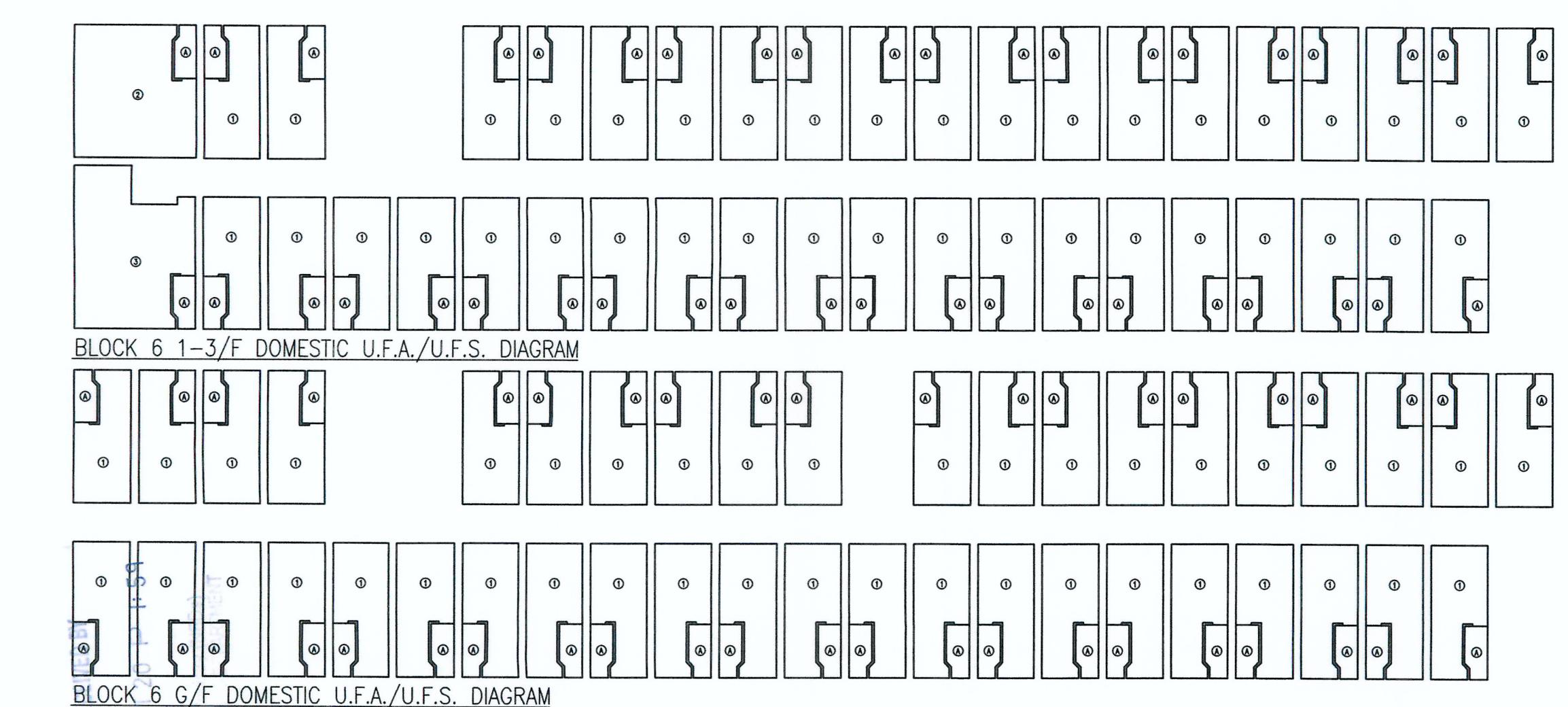
BLOCK 5 TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
 $442.911 \times 3 + 423.808 = 1752.541 \text{ m}^2$



BLOCK 7 1-3/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
 14 x ① STUDIO  $9.632 \text{ m}^2 \times 14 = 134.848 \text{ m}^2$   
 1 x ② LIVING/ DINING  $22.916 \text{ m}^2 \times 1 = 22.916 \text{ m}^2$   
 1 x ③ LIVING/ DINING  $25.083 \text{ m}^2 \times 1 = 25.083 \text{ m}^2$   
 SUB-TOTAL = 182.847 m<sup>2</sup>  
 16 x ④ LAVATORY  $1.765 \text{ m}^2 \times 16 = 28.240 \text{ m}^2$

BLOCK 7 G/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
 18 x ① STUDIO  $9.632 \text{ m}^2 \times 18 = 173.376 \text{ m}^2$   
 SUB-TOTAL = 173.376 m<sup>2</sup>  
 18 x ④ LAVATORY  $1.765 \text{ m}^2 \times 18 = 31.770 \text{ m}^2$

BLOCK 7 TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
 $182.847 \times 3 + 173.376 = 721.917 \text{ m}^2$

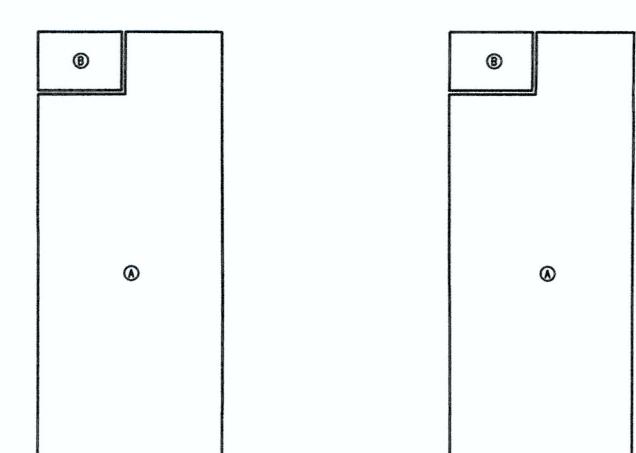


BLOCK 6 1-3/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
 39 x ① STUDIO  $9.632 \text{ m}^2 \times 39 = 375.648 \text{ m}^2$   
 1 x ② LIVING/ DINING  $22.916 \text{ m}^2 \times 1 = 22.916 \text{ m}^2$   
 1 x ③ LIVING/ DINING  $25.083 \text{ m}^2 \times 1 = 25.083 \text{ m}^2$   
 SUB-TOTAL = 423.647 m<sup>2</sup>  
 41 x ④ LAVATORY  $1.765 \text{ m}^2 \times 41 = 72.365 \text{ m}^2$

BLOCK 6 G/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
 42 x ① STUDIO  $9.632 \text{ m}^2 \times 42 = 404.544 \text{ m}^2$   
 SUB-TOTAL = 404.544 m<sup>2</sup>  
 42 x ④ LAVATORY  $1.765 \text{ m}^2 \times 42 = 74.130 \text{ m}^2$

BLOCK 6 TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
 $423.647 \times 3 + 404.544 = 828.191 \text{ m}^2$

TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
 BLOCK 1A = 962.584 m<sup>2</sup>  
 BLOCK 1B = 770.560 m<sup>2</sup>  
 BLOCK 2A = 837.501 m<sup>2</sup>  
 BLOCK 2B = 1598.429 m<sup>2</sup>  
 BLOCK 3 = 1299.837 m<sup>2</sup>  
 BLOCK 4A = 952.569 m<sup>2</sup>  
 BLOCK 4B = 1184.253 m<sup>2</sup>  
 BLOCK 5 = 1752.541 m<sup>2</sup>  
 BLOCK 6 = 828.191 m<sup>2</sup>  
 BLOCK 7 = 721.917 m<sup>2</sup>  
 BLOCK 8 = 1082.706 m<sup>2</sup>  
 TOTAL = 11991.188 m<sup>2</sup>

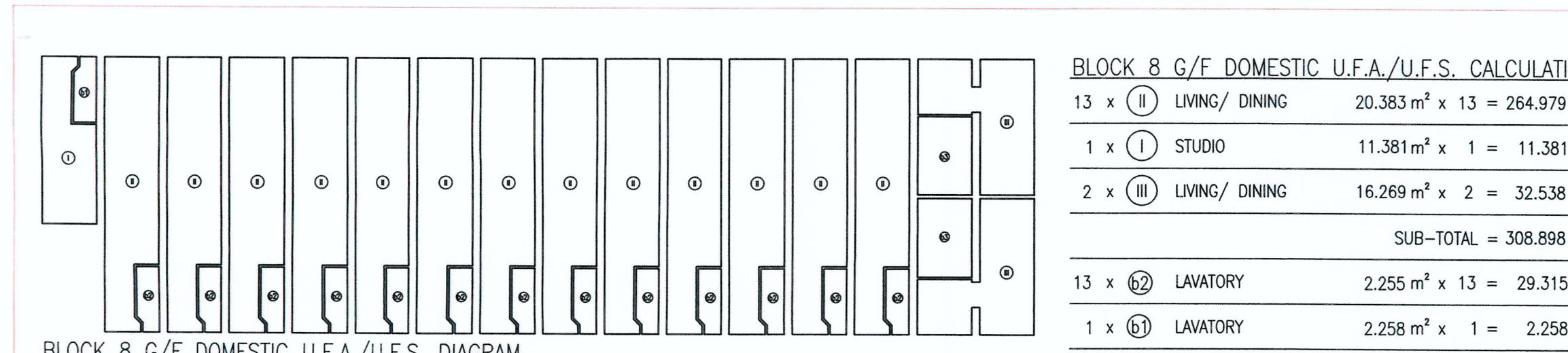


SHOP U.F.A./U.F.S. CALCULATIONS:  
 ① SHOP = 53.561 m<sup>2</sup>   ② OFFICE = 53.561 m<sup>2</sup>  
 ④ LAVATORY = 3.441 m<sup>2</sup>   ④ LAVATORY = 3.441 m<sup>2</sup>

TOTAL NON-DOMESTIC U.F.A./U.F.S. CALCULATION:  
 SHOP + MANAGEMENT OFFICE = 53.561 + 53.561 = 107.122 m<sup>2</sup>

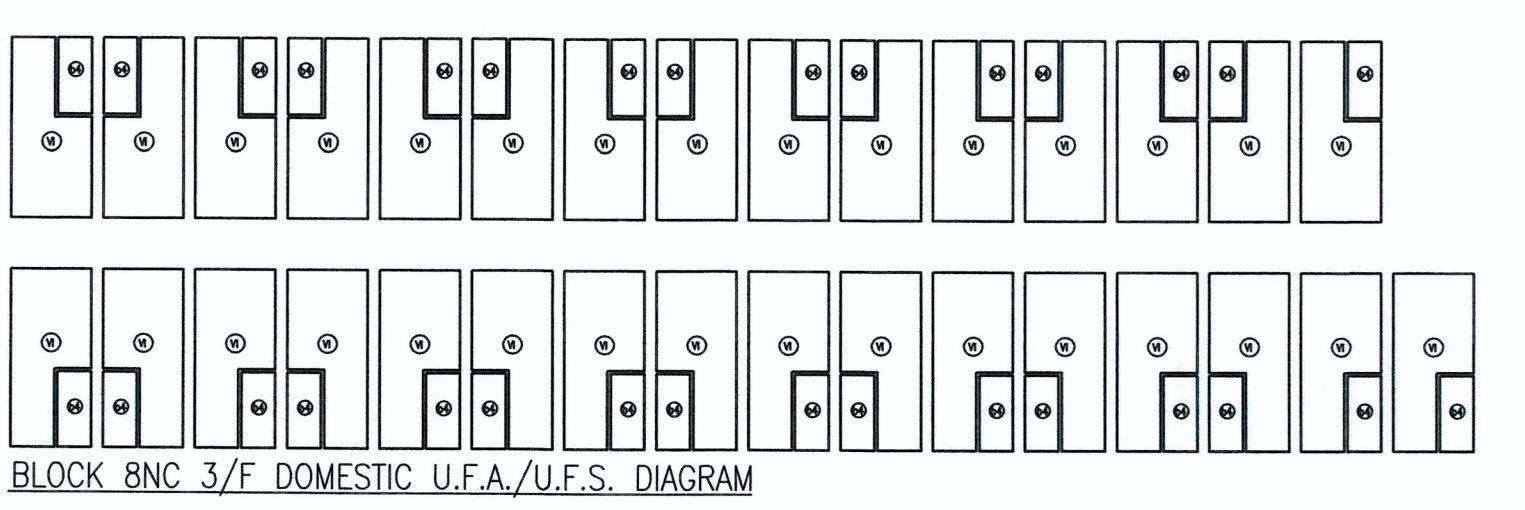
REFUSE STORAGE AND RECOVERY CHAMBER AREA REQUIRED  
 TOTAL DOMESTIC U.F.S. /347 + TOTAL NON-DOMESTIC U.F.S. /925 = 11991.188/347 + 107.122/925 = 34.673 m<sup>2</sup>

REFUSE STORAGE AND RECOVERY CHAMBER AREA PROVIDED  
 ④ = 36.831 m<sup>2</sup> > 34.673 m<sup>2</sup>



BLOCK 8 G/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
 13 x ② LIVING/ DINING  $20.383 \text{ m}^2 \times 13 = 264.979 \text{ m}^2$   
 1 x ① STUDIO  $11.381 \text{ m}^2 \times 1 = 11.381 \text{ m}^2$   
 2 x ③ LIVING/ DINING  $16.269 \text{ m}^2 \times 2 = 32.538 \text{ m}^2$   
 SUB-TOTAL = 308.898 m<sup>2</sup>  
 13 x ④ LAVATORY  $2.255 \text{ m}^2 \times 13 = 29.315 \text{ m}^2$   
 1 x ⑤ LAVATORY  $2.258 \text{ m}^2 \times 1 = 2.258 \text{ m}^2$   
 2 x ⑥ LAVATORY  $7.000 \text{ m}^2 \times 2 = 14.000 \text{ m}^2$

BLOCK 8 1-2/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
 14 x ① STUDIO  $11.381 \text{ m}^2 \times 14 = 159.334 \text{ m}^2$   
 5 x ⑤ STUDIO  $17.612 \text{ m}^2 \times 5 = 88.060 \text{ m}^2$   
 2 x ⑥ STUDIO  $7.972 \text{ m}^2 \times 2 = 15.944 \text{ m}^2$   
 SUB-TOTAL = 263.338 m<sup>2</sup>  
 14 x ④ LAVATORY  $2.258 \text{ m}^2 \times 14 = 31.612 \text{ m}^2$   
 5 x ⑥ LAVATORY  $2.611 \text{ m}^2 \times 5 = 13.055 \text{ m}^2$   
 2 x ⑦ LAVATORY  $1.821 \text{ m}^2 \times 2 = 3.642 \text{ m}^2$



BLOCK 8 3/F DOMESTIC U.F.A./U.F.S. CALCULATION:  
 31 x ⑥ STUDIO  $7.972 \text{ m}^2 \times 31 = 247.132 \text{ m}^2$   
 SUB-TOTAL = 247.132 m<sup>2</sup>  
 31 x ⑧ LAVATORY  $1.821 \text{ m}^2 \times 31 = 56.451 \text{ m}^2$   
 BLOCK 8 TOTAL DOMESTIC U.F.A./U.F.S. CALCULATION:  
 $263.338 \times 2 + 308.898 + 247.132 = 1082.706 \text{ m}^2$

Note: This plan has been processed on a controlled check basis under the centralized processing system as promulgated in PMP ADM-19. The duties of the authorized person, registered structural engineer and/or registered quantity surveyor concerned as specified in 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  
 KWOK Chi-hing  
 Senior Building Surveyor  
 for BUILDING AUTHORITY  
 18 NOV 2022

DRAWN BY: SEP 2022  
 CHECKED BY: APPROVED BY: KYC  
 PTI  
 CHECKED BY: CMD  
 SCALE: 1:200  
 PROJECT: A1  
 DRAWING NO.: AG/04/002  
 REVISION: 2732  
 DRAWN BY: SEP 2022  
 CHECKED BY: APPROVED BY: KYC  
 PTI  
 CHECKED BY: CMD  
 SCALE: 1:200  
 PROJECT: A1  
 DRAWING NO.: AG/04/002  
 REVISION: 2

BD REF. NO.: BD 2/9013/22(TH)  
 FSD REF. NO.: FP 8/31643<13>  
 REVISIONS AND SUBMISSIONS:  
 NO. DATE: DETAILS: CHECKED:  
 2. 21/09/22 BD RE-SUBMISSION  
 1. 17/06/22 BD RE-SUBMISSION  
 1. 28/02/22 BD FIRST SUBMISSION

Yuen Kwok Cheung  
 ARAIA HKIA  
 Authorized Person  
 (List of Architects)

CLIENT:  
 九龍樂善堂  
 THE LOK SIN TONG  
 BENEVOLENT SOCIETY  
 KOWLOON  
 Since 1860 HK

MAIN CONTRACTOR:  
 WOON LEE CONSTRUCTION CO., LTD.  
 馬海(建築顧問)有限公司  
 Spence Robinson Limited

MIC STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):  
 張耀新建築工程師有限公司  
 Wilson & Associates Ltd

GEOTECHNICAL ENGINEERING CONSULTANT (DESIGN & BUILD):

ARTHUR YUNG AND  
 ASSOCIATES COMPANY LTD.  
 容亨達工程師事務所

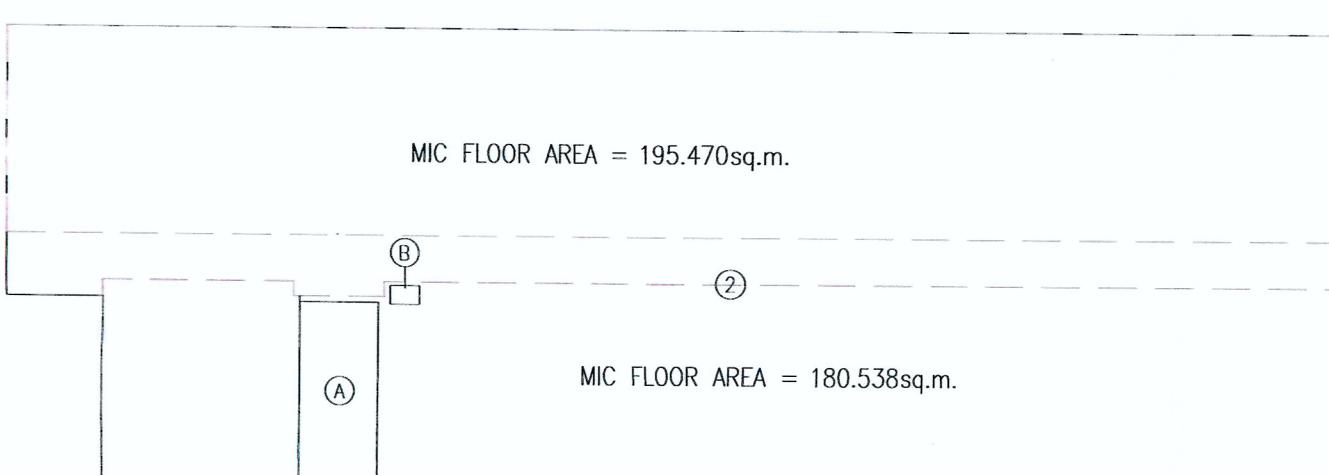
M&E ENGINEER CONSULTANT (DESIGN & BUILD):  
 NEEM  
 TELEMAX ENVIRONMENTAL AND  
 ENERGY MANAGEMENT LIMITED

MIC SUPPLIER:  
 CNQCIIC  
 Subsidiary of CNQCIIC International Holdings Limited (HKX 1240)

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 3. This drawing is to be read in conjunction with the Architect's Specification and Conditions of Contract.  
 4. Any changes shall be made in accordance with the architect's instructions.  
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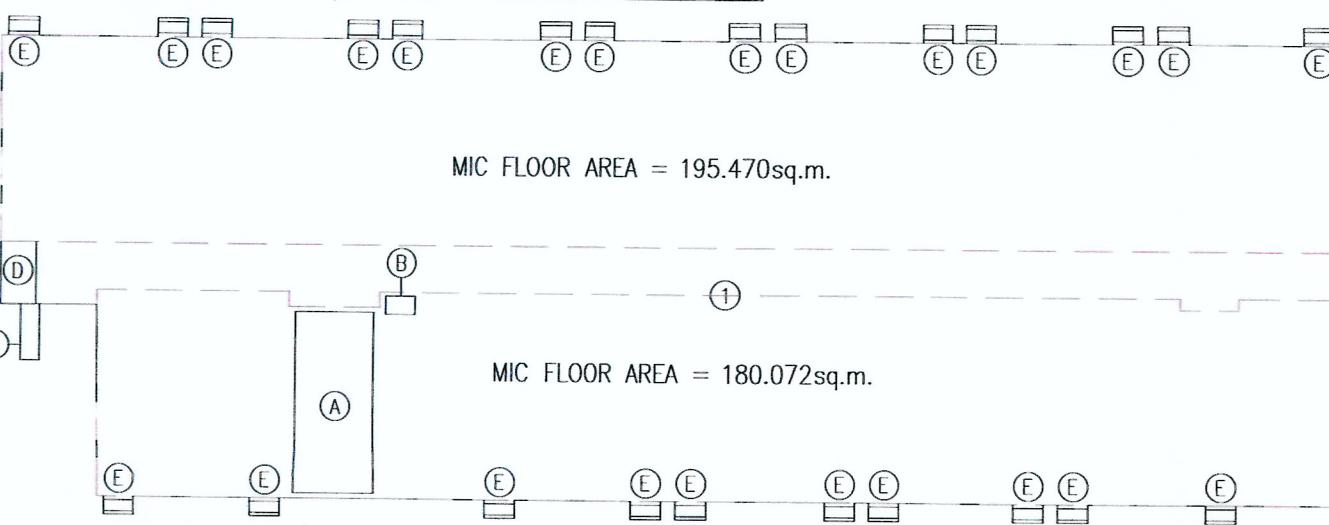
PROJECT:  
 TRANSITIONAL HOUSING PROJECT AT WONG  
 YUE TAN, TAI PO FOR THE LOK SIN TONG  
 BENEVOLENT SOCIETY, KOWLOON

DRAWING TITLE:  
 UFA CALCULATIONS

LEGEND: 

BLOCK 1A 1-3/F DOMESTIC G.F.A. CALCULATION:  
② DOMESTIC = 426.408 m<sup>2</sup>  
DEDUCT  
① ELEC. METER ROOM = 10.044 m<sup>2</sup>  
② H.R. = 0.400 m<sup>2</sup>  
G.F.A. TOTAL = 415.964 m<sup>2</sup>

## BLOCK 1A 1-3/F DOMESTIC G.F.A. DIAGRAM

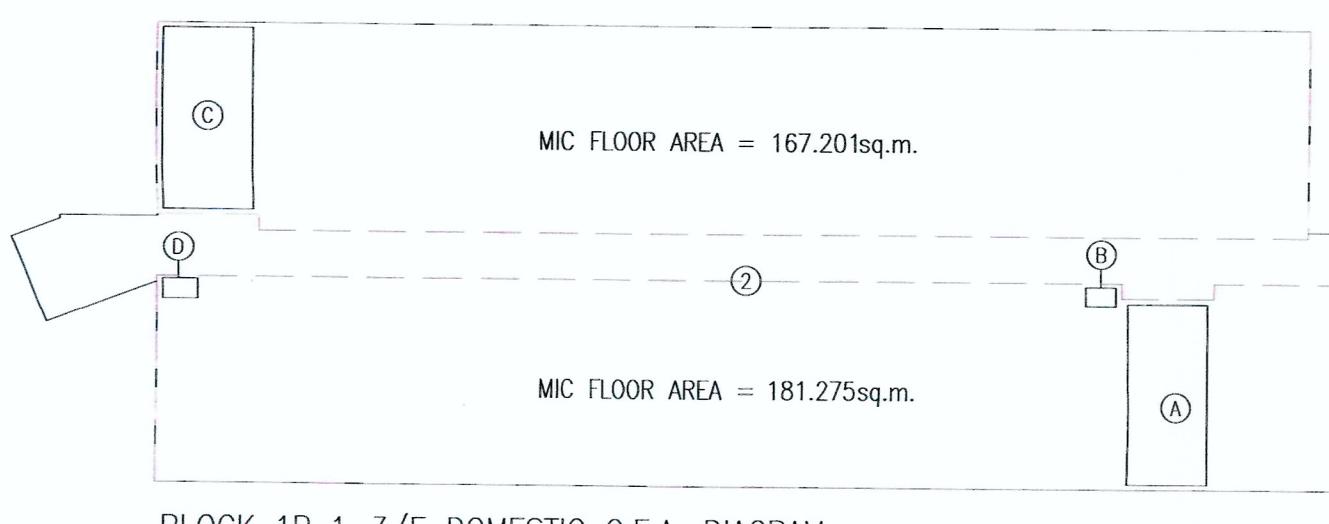


BLOCK 1A G/F DOMESTIC G.F.A. CALCULATION:  
① DOMESTIC = 434.729 m<sup>2</sup>  
DEDUCT

① ELEC. METER ROOM = 10.044 m<sup>2</sup>  
② H.R. = 0.400 m<sup>2</sup>  
③ F.S.I. & F.S. PANEL CABINET = 0.750 m<sup>2</sup>  
④ SPR. INLET CABINET = 1.532 m<sup>2</sup>  
⑤ W.M.C. x 24 = 7.680 m<sup>2</sup>  
G.F.A. TOTAL = 414.323 m<sup>2</sup>

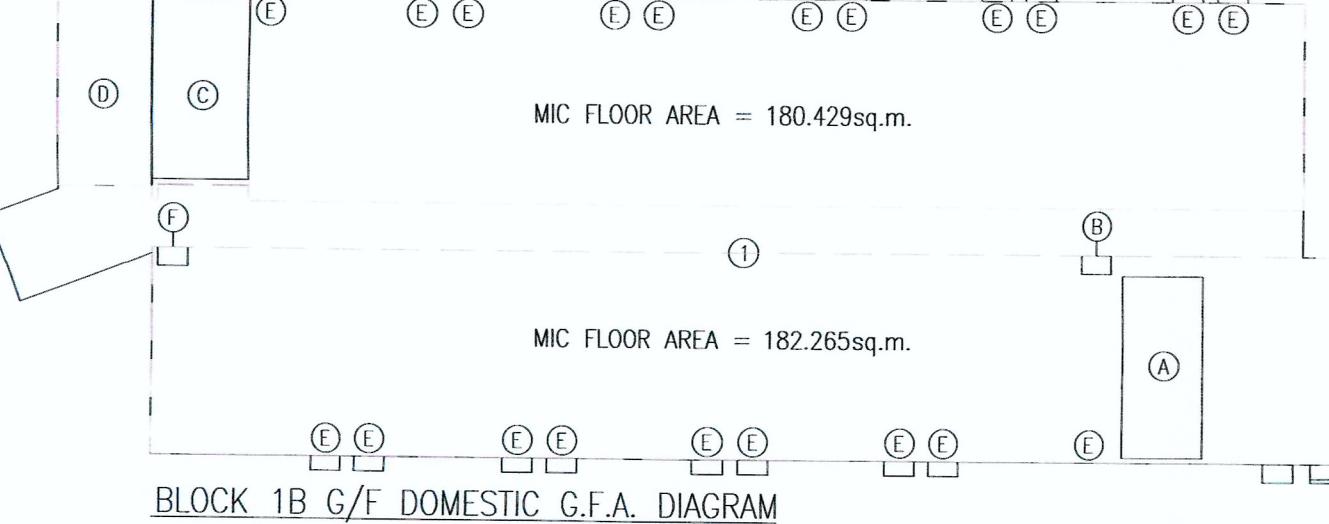
BLOCK 1A TOTAL DOMESTIC G.F.A. CALCULATION:  
415.964 x 3 + 414.323 = 1662.215

BLOCK 1A 1-3/F MIC FLOOR AREA (PER FLOOR) = 195.470+180.538 = 376.008 sq.m.  
BLOCK 1A G/F TOTAL MIC FLOOR AREA = 195.470+180.072 = 375.542 sq.m.



BLOCK 1B 1-3/F DOMESTIC G.F.A. CALCULATION:  
② DOMESTIC = 400.153 m<sup>2</sup>  
DEDUCT  
① ELEC. METER ROOM = 10.044 m<sup>2</sup>  
② H.R. (1) = 0.400 m<sup>2</sup>  
③ R.S. & M.R.R. = 11.335 m<sup>2</sup>  
④ H.R. (2) = 0.480 m<sup>2</sup>  
G.F.A. TOTAL = 377.894 m<sup>2</sup>

## BLOCK 1B 1-3/F DOMESTIC G.F.A. DIAGRAM



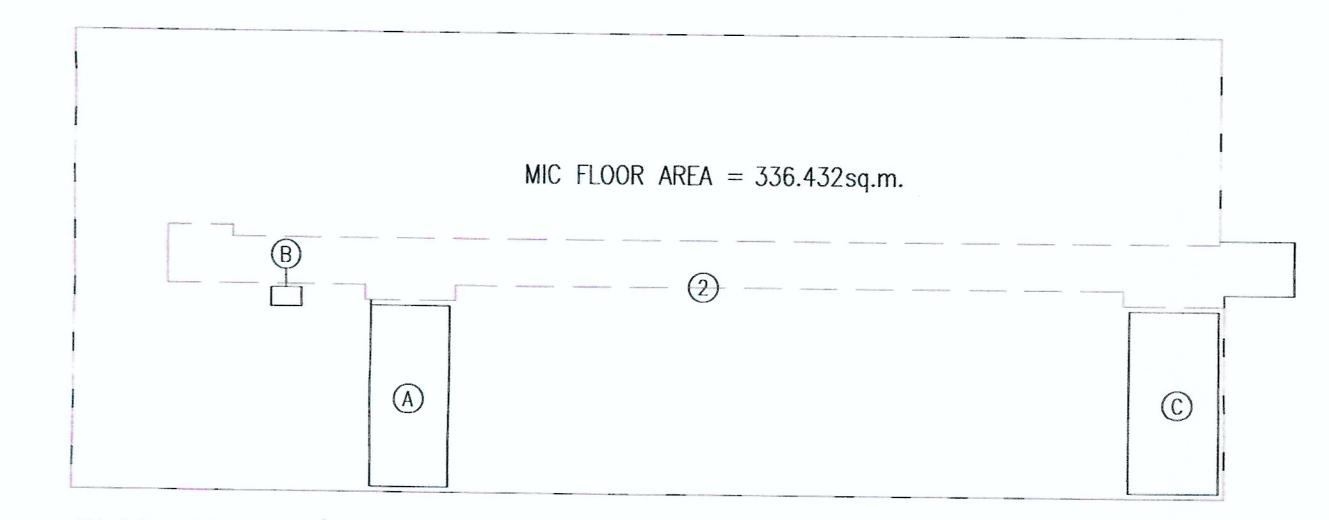
BLOCK 1B G/F DOMESTIC G.F.A. CALCULATION:  
① DOMESTIC = 417.983 m<sup>2</sup>  
DEDUCT

① ELEC. METER ROOM = 10.044 m<sup>2</sup>  
② H.R. (1) = 0.400 m<sup>2</sup>  
③ R.S. & M.R.R. = 12.057 m<sup>2</sup>  
④ FLUSHING WATER TANK & PUMP ROOM = 12.978 m<sup>2</sup>  
⑤ W.M.C. x 21 = 8.400 m<sup>2</sup>  
⑥ H.R. (2) = 0.400 m<sup>2</sup>

BLOCK 1B TOTAL DOMESTIC G.F.A. CALCULATION:  
377.894 x 3 + 373.704 = 1507.386 m<sup>2</sup>

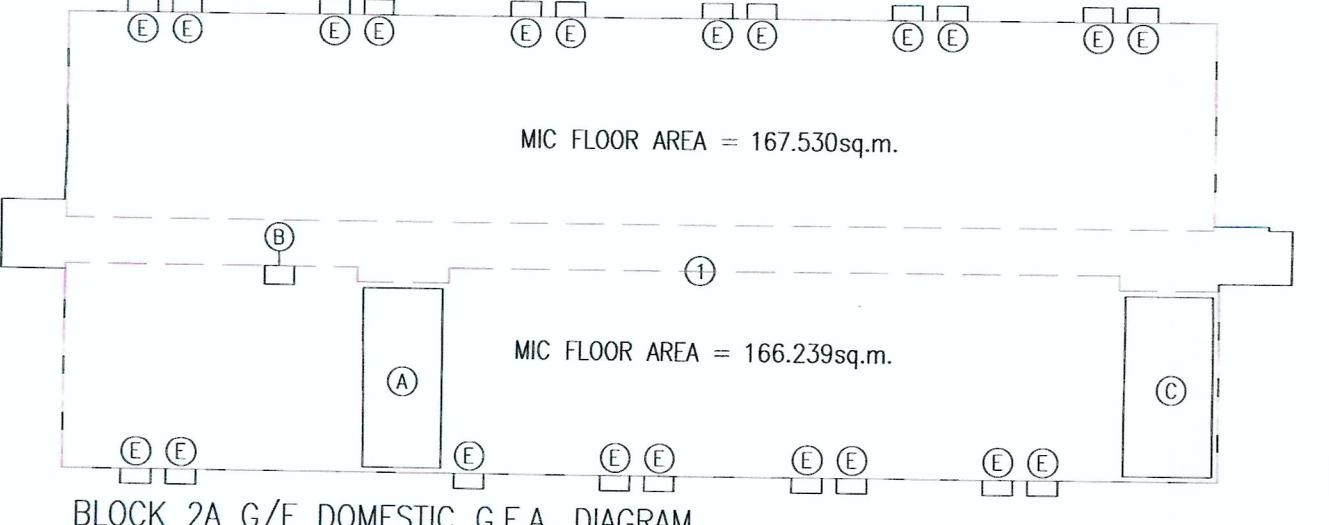
G.F.A. TOTAL = 373.704 m<sup>2</sup>

BLOCK 1B 1-3/F MIC FLOOR AREA (PER FLOOR) = 167.201+181.275 = 348.476 sq.m.  
BLOCK 1B G/F TOTAL MIC FLOOR AREA = 180.429+182.265 = 362.694 sq.m.



BLOCK 2A 1-3/F DOMESTIC G.F.A. CALCULATION:  
② ELEC. METER ROOM = 376.760 m<sup>2</sup>  
DEDUCT  
① ELEC. METER ROOM = 10.044 m<sup>2</sup>  
② H.R. = 0.400 m<sup>2</sup>  
③ R.S. & M.R.R. = 11.335 m<sup>2</sup>  
G.F.A. TOTAL = 354.981 m<sup>2</sup>

## BLOCK 2A 1-3/F DOMESTIC G.F.A. DIAGRAM



BLOCK 2A G/F DOMESTIC G.F.A. CALCULATION:  
① DOMESTIC = 386.930 m<sup>2</sup>  
DEDUCT

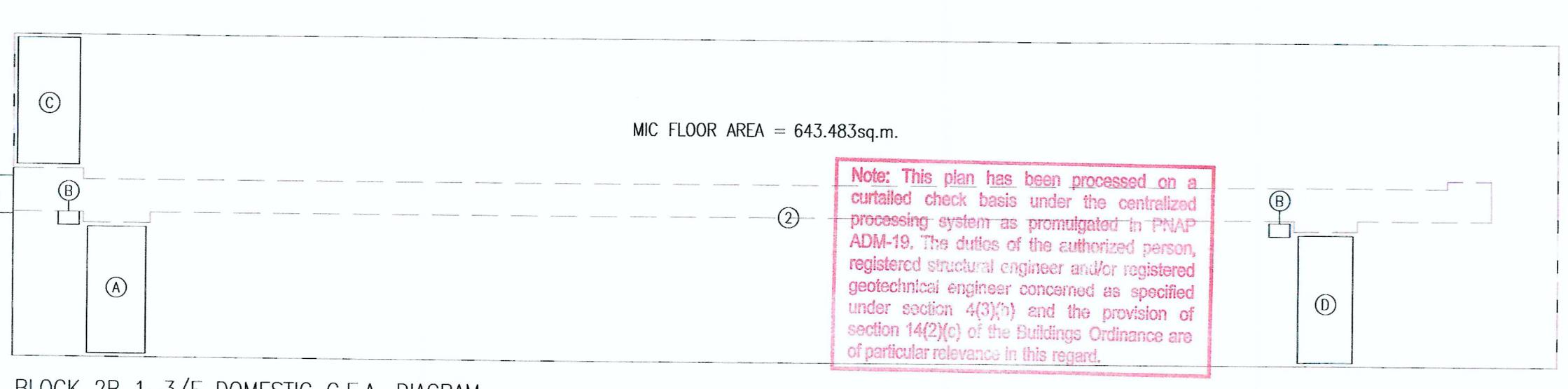
① ELEC. METER ROOM = 10.044 m<sup>2</sup>  
② H.R. = 0.400 m<sup>2</sup>  
③ R.S. & M.R.R. = 11.335 m<sup>2</sup>  
④ W.M.C. x 21 = 6.720 m<sup>2</sup>  
G.F.A. TOTAL = 358.431 m<sup>2</sup>

BLOCK 2A 1-3/F MIC FLOOR AREA (PER FLOOR) = 336.432 sq.m.  
BLOCK 2A G/F TOTAL MIC FLOOR AREA = 167.530+166.239 = 333.769 sq.m.

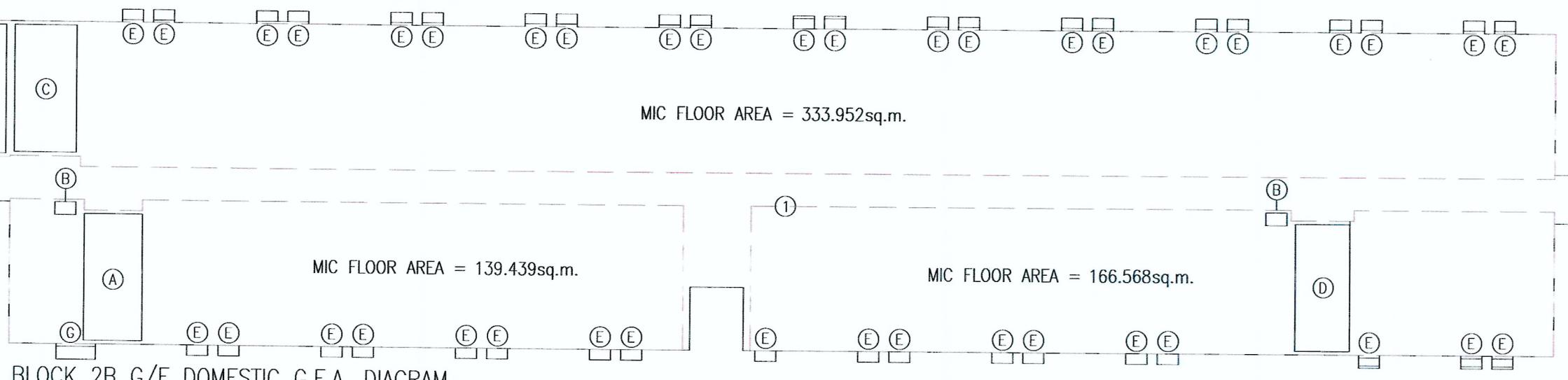
BLOCK 2A TOTAL DOMESTIC G.F.A. CALCULATION:  
354.981 x 3 + 358.431 = 1423.374 m<sup>2</sup>

BLOCK 2A 1-3/F MIC FLOOR AREA (PER FLOOR) = 336.432 sq.m.

BLOCK 2A G/F TOTAL MIC FLOOR AREA = 167.530+166.239 = 333.769 sq.m.



## BLOCK 2B 1-3/F DOMESTIC G.F.A. DIAGRAM



## BLOCK 2B G/F DOMESTIC G.F.A. DIAGRAM

BLOCK 2B 1-3/F MIC FLOOR AREA (PER FLOOR) = 643.483 sq.m.  
BLOCK 2B G/F TOTAL MIC FLOOR AREA = 333.952+139.439+166.568 = 639.959 sq.m.

BLOCK 2B TOTAL DOMESTIC G.F.A. CALCULATION:  
686.934 x 3 + 688.900 = 2750.702 m<sup>2</sup>

## BLOCK 2B 1-3/F DOMESTIC G.F.A. CALCULATION:

② DOMESTIC = 719.802 m<sup>2</sup>

## DEDUCT

① ELEC. METER ROOM (1) = 10.689 m<sup>2</sup>

② H.R. x 2 = 0.800 m<sup>2</sup>

③ R.S. & M.R.R. = 11.335 m<sup>2</sup>

④ ELEC. METER ROOM (2) = 10.044 m<sup>2</sup>

⑤ W.M.C. x 24 = 12.800 m<sup>2</sup>

⑥ FLUSHING WATER TANK & PUMP ROOM = 10.845 m<sup>2</sup>

⑦ F.S. INLET = 0.750 m<sup>2</sup>

G.F.A. TOTAL = 689.900 m<sup>2</sup>

BLOCK 2B G/F DOMESTIC G.F.A. CALCULATION:

① DOMESTIC = 747.163 m<sup>2</sup>

## DEDUCT

① ELEC. METER ROOM (1) = 10.689 m<sup>2</sup>

② H.R. x 2 = 0.800 m<sup>2</sup>

③ R.S. & M.R.R. = 11.335 m<sup>2</sup>

④ ELEC. METER ROOM (2) = 10.044 m<sup>2</sup>

⑤ W.M.C. x 30 = 12.800 m<sup>2</sup>

⑥ FLUSHING WATER TANK & PUMP ROOM = 10.845 m<sup>2</sup>

⑦ F.S. INLET = 0.750 m<sup>2</sup>

G.F.A. TOTAL = 689.900 m<sup>2</sup>

## BLOCK 3 1-3/F DOMESTIC G.F.A. CALCULATION:

② DOMESTIC = 578.993 m<sup>2</sup>

## DEDUCT

① ELEC. METER ROOM = 10.044 m<sup>2</sup>

② H.R. (1) = 0.400 m<sup>2</sup>

③ R.S. & M.R.R. = 11.335 m<sup>2</sup>

④ H.R. (2) = 0.400 m<sup>2</sup>

G.F.A. TOTAL = 556.814 m<sup>2</sup>

## BLOCK 3 G/F DOMESTIC G.F.A. CALCULATION:

① DOMESTIC = 607.728 m<sup>2</sup>

## DEDUCT

① ELEC. METER ROOM = 10.044 m<sup>2</sup>

② H.R. (1) = 0.400 m<sup>2</sup>

③ R.S. & M.R.R. = 11.335 m<sup>2</sup>

④ FLUSHING WATER TANK & PUMP ROOM = 10.834 m<sup>2</sup>

⑤ W.M.C. x 33 = 10.560 m<sup>2</sup>

⑥ SPR. INLET & F.S.I. & F.S. PANEL CABINET = 2.050 m<sup>2</sup>

⑦ H.R. (2) = 0.570 m<sup>2</sup>

G.F.A. TOTAL = 561.935 m<sup>2</sup>

## BLOCK 3 TOTAL DOMESTIC G.F.A. CALCULATION:

556.814 x 3 + 561.935 = 2232.377 m<sup>2</sup>

Yuen Kwok Cheung

ARIAA HKIA

Authorized Person

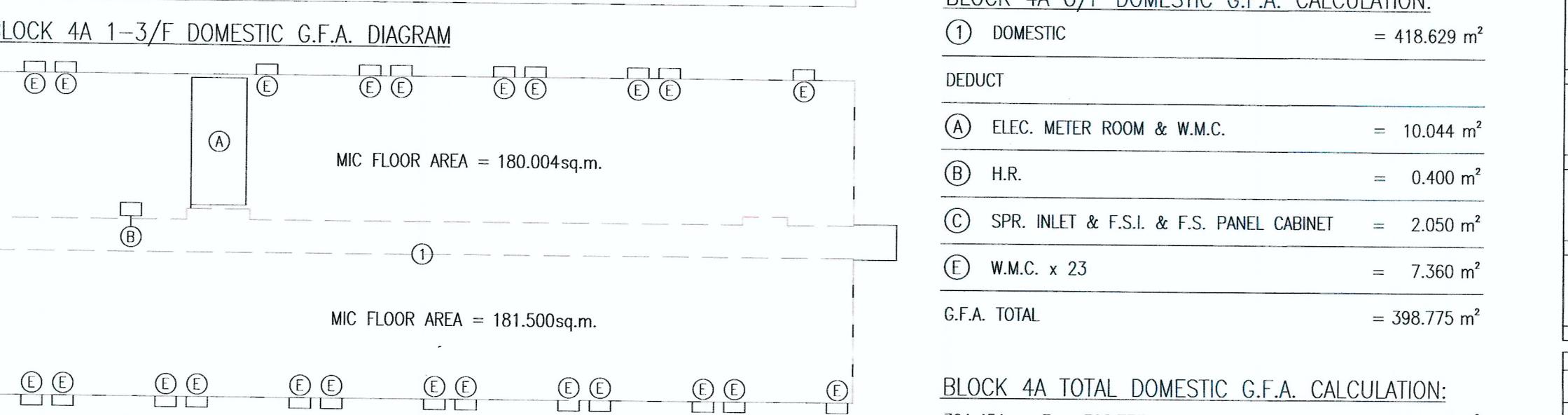
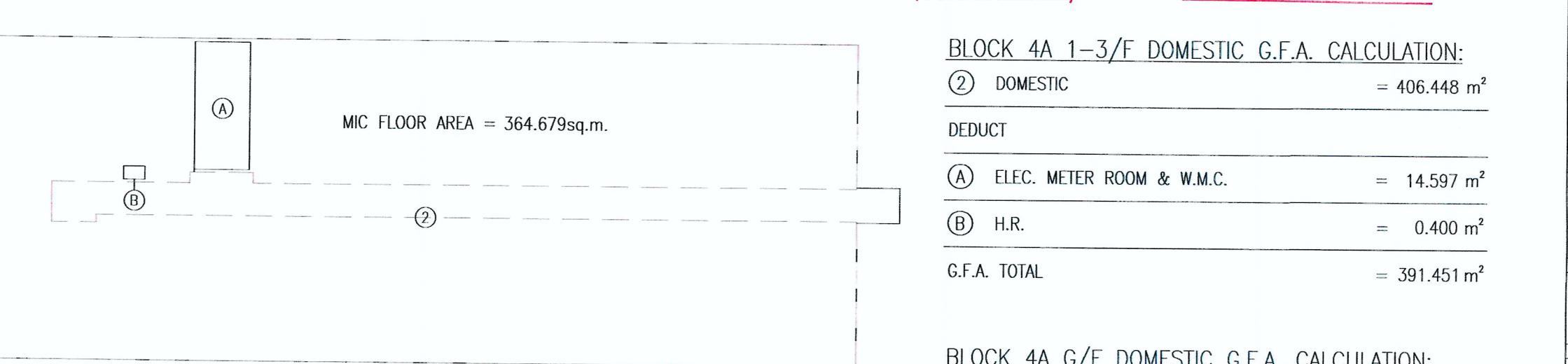
(List of Architects)

1 NOV 2023

## RECORD DRAWING

This drawing is identical to the approved drawing dated.

1 NOV 2023



BLOCK 3 1-3/F MIC FLOOR AREA (PER FLOOR) = 518.758 sq.m.

BLOCK 3 G/F TOTAL MIC FLOOR AREA = 278.072+251.091 = 529.163 sq.m.

BLOCK 3 TOTAL DOMESTIC G.F.A. CALCULATION:  
529.163 x 3 + 561.935 = 2232.377 m<sup>2</sup>

Yuen Kwok Cheung

ARIAA HKIA

Authorized Person

(List of Architects)

1 NOV 2023

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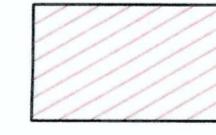
1 NOV 2023

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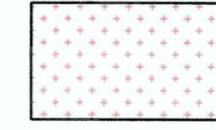
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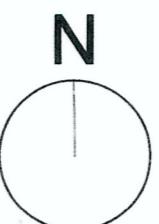
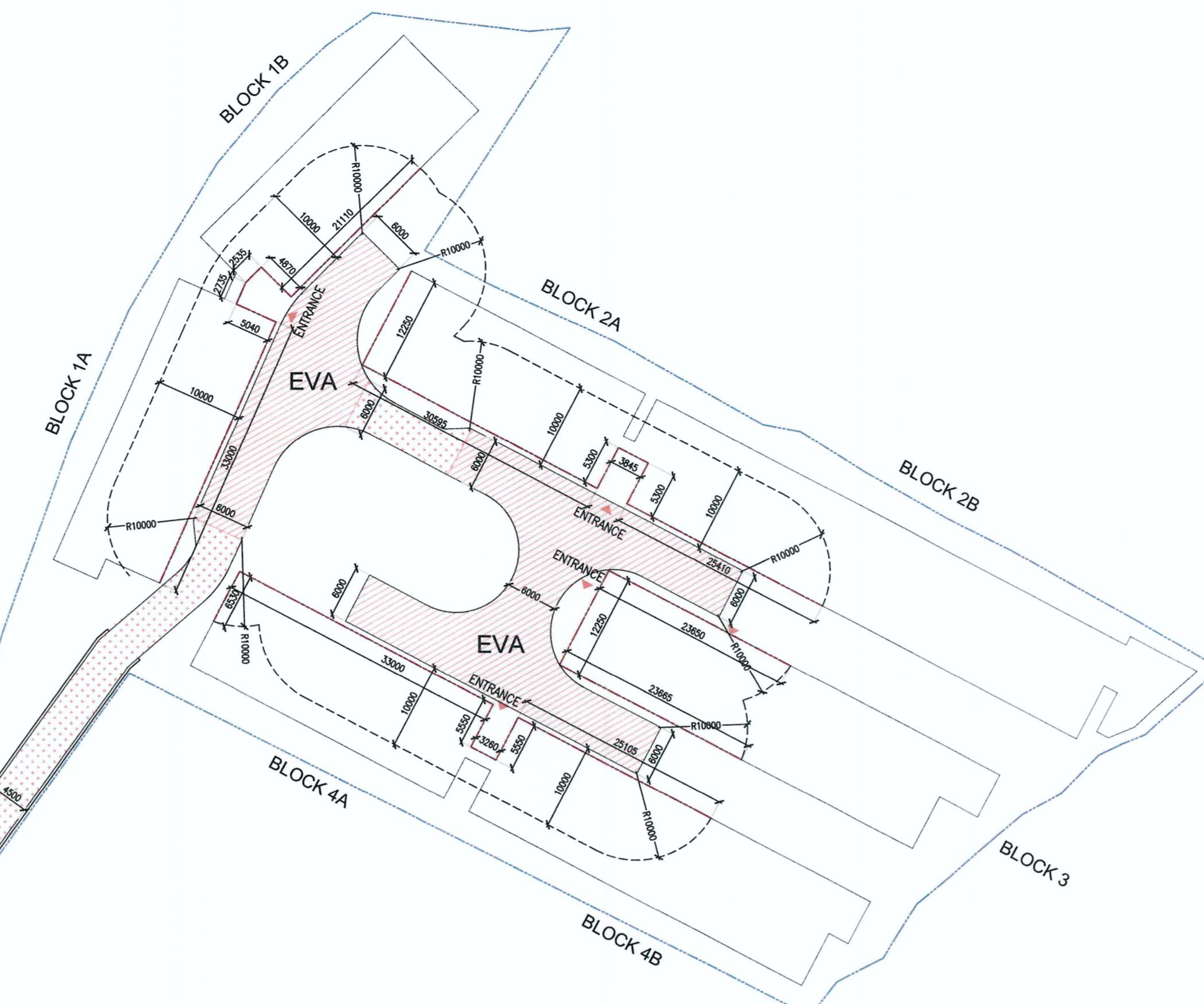
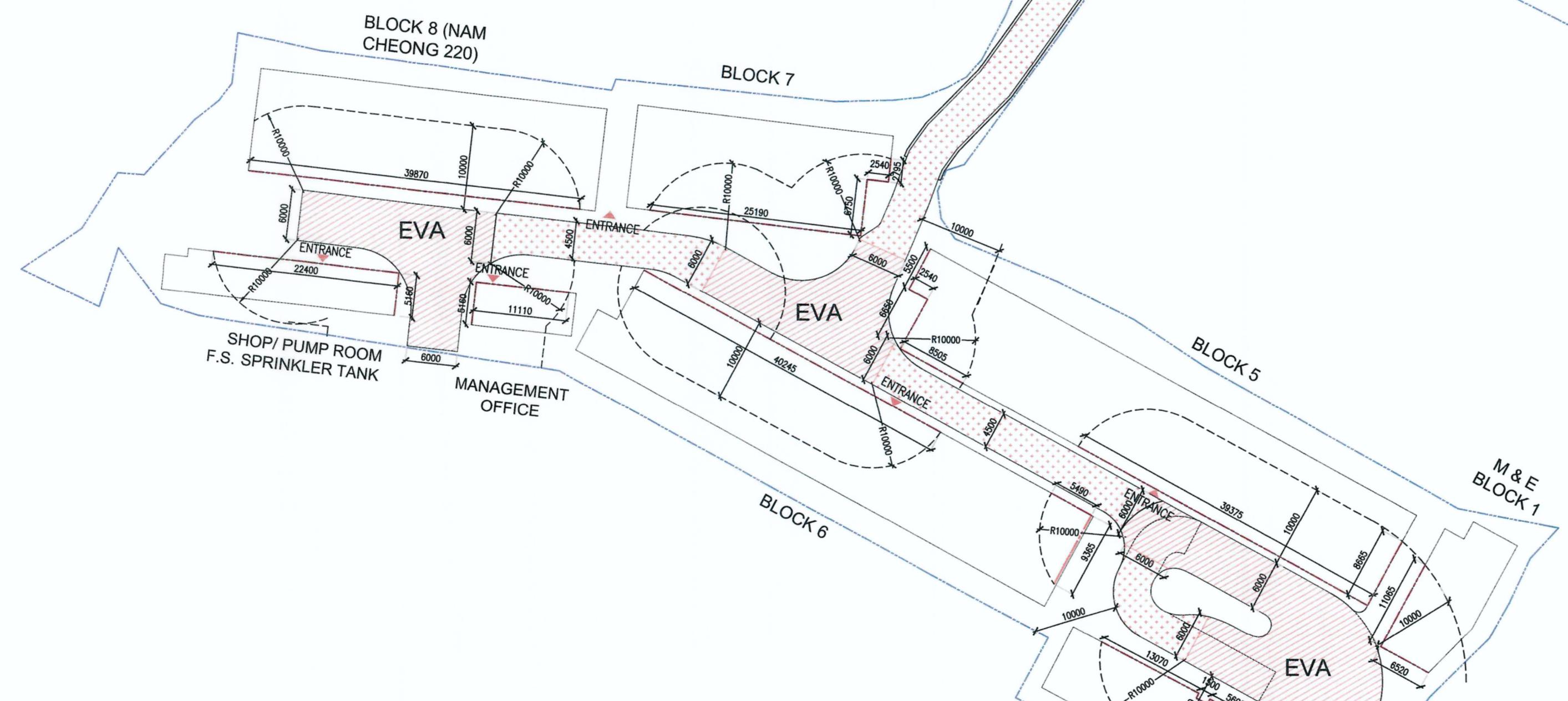
## LEGEND



MIN. 6.0 M (W) EMERGENCY VEHICULAR ACCESS  
(HEADROOM NOT LESS THAN 4.5 M, LOADING 30,000KG)  
GRADIENT SHOULD NOT BE STEEPER THAN 1:10,  
WITH HARD PAVING.



MIN. 4.5 M (W) VEHICULAR ACCESS



BD. REF. NO.:	BD 2/9013/22(TH)	
FSD. REF. NO.:	FP 8/31643<13>	
REVISIONS AND SUBMISSIONS:		
NO. DATE:	DETAILS:	CHECKED:
2	21/09/22	BD RE-SUBMISSION
1	17/06/22	BD RE-SUBMISSION
-	28/02/22	BD FIRST SUBMISSION

*Yuen Kwok Cheung  
ARAIA HKIA  
Authorized Person  
(List of Architects)*

Coloured Amended General Drawing  
for BD Amendment



MAIN CONTRACTOR



ARCHITECTURAL CONSULTANT (DESIGN & BUILD):



馬海(建築顧問)有限公司  
Spence Robinson Limited

張耀新建築工程師有限公司  
Wilson & Associates Ltd

GEOTECHNICAL ENGINEERING CONSULTANT (DESIGN & BUILD):



Arthur Yung and Associates Company Ltd.

M&E ENGINEER CONSULTANT (DESIGN & BUILD):



TEEH TELEMAX ENVIRONMENTAL AND ENERGY MANAGEMENT LIMITED

MIC SUPPLIER:



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PROJECT:

TRANSITIONAL HOUSING PROJECT AT WONG  
YUE TAN, TAI PO FOR THE LOK SIN TONG  
BENEVOLENT SOCIETY, KOWLOON

DRAWING TITLE:  
E.V.A. CALCULATION DIAGRAM



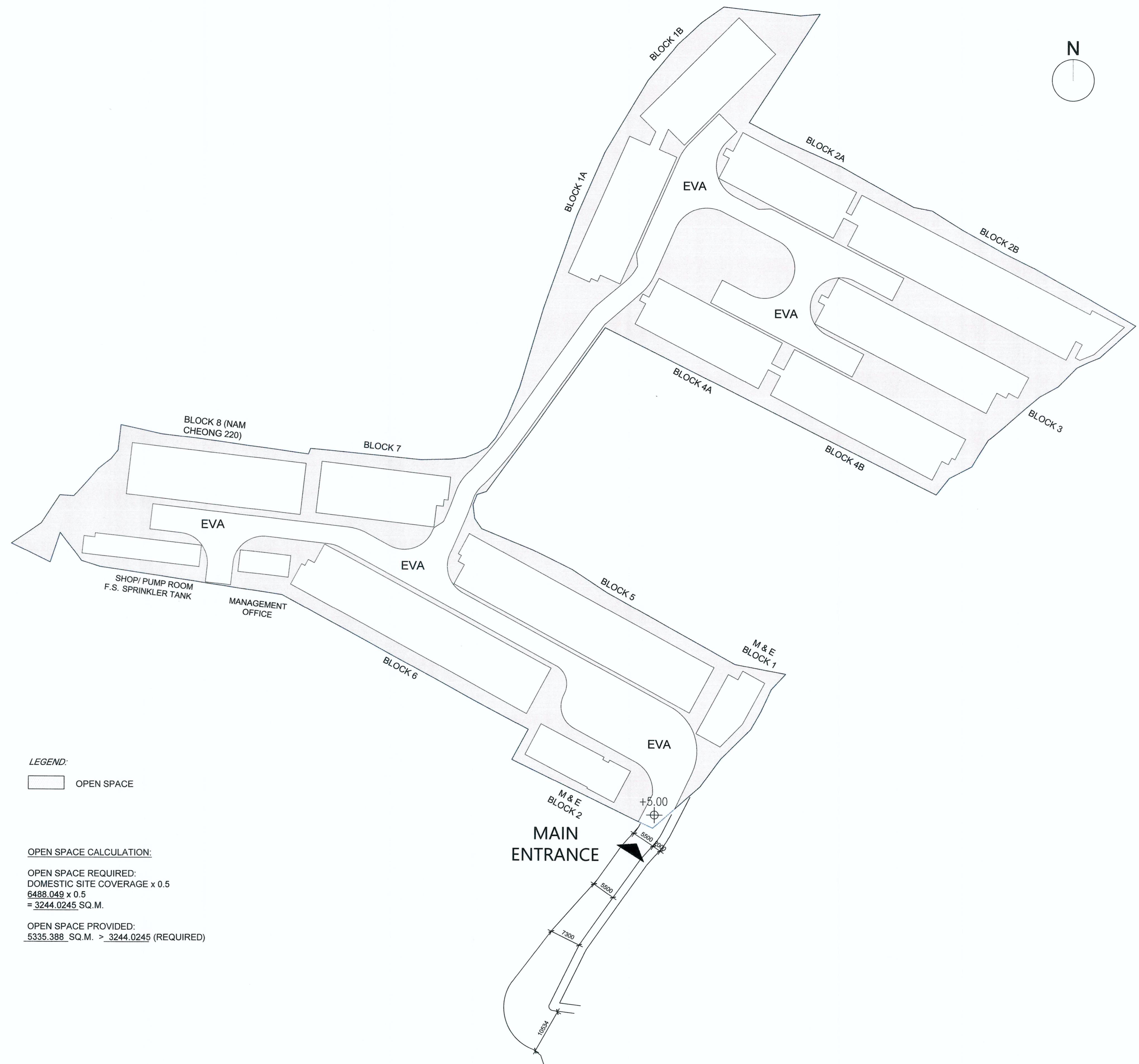
DRAWN BY: MS DATE: SEP 2022  
CHECKED BY: APPROVED BY:  
SCALE: 1:500 PAPER SIZE: A1  
PROJECT: DRAWING NO.: AG/04/005  
REVISION: 2  
2732

RECORD DRAWING  
This drawing is identical to the approved drawing dated.  
18 NOV 2022

*Yuen Kwok Cheung  
ARAIA HKIA  
Authorized Person  
(List of Architects)*

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BLOCK	TOTAL FAÇADE LENGTH OF THE BUILDING (m)	TOTAL FAÇADE LENGTH OF THE BUILDING SERVED BY E.V.A. (m)	PERCENTAGE OF FAÇADE LENGTH OF BUILDING SERVED BY E.V.A. (%)
1A & 1B	189.350	33.000 + 5.040 + 2.735 + 2.535 + 4.870 + 21.110	69.29 36.59 36.59% > 25% (PERMITTED)
2A & 2B	258.184	12.250 + 30.595 + 5.300 + 3.845 + 5.300 + 25.410	82.70 32.03 32.03% > 25% (PERMITTED)
3	126.327	23.650 + 12.250 + 23.665	59.57 47.15 47.15% > 25% (PERMITTED)
4A & 4B	210.441	6.530 + 33.000 + 5.550 + 3.260 + 5.550 + 25.105	79.00 37.54 37.54% > 25% (PERMITTED)
5	156.808	8.665 + 39.375 + 8.505 + 6.650 + 2.540 + 5.500	71.24 45.43 45.43% > 25% (PERMITTED)
6	151.725	5.490 + 9.365 + 40.245	55.10 36.32 36.32% > 25% (PERMITTED)
7	85.690	25.190 + 6.750 + 2.540 + 2.795	37.28 43.50 43.50% > 25% (PERMITTED)
8	107.915	39.87	39.87 36.95 36.95% > 25% (PERMITTED)
MANAGEMENT OFFICE	34.320	11.110 + 5.160	16.27 47.41 47.41% > 25% (PERMITTED)
SHOP, PUMP ROOM, F.S. SPRINKLER TANK	66.471	5.160 + 22.400	27.56 41.46 41.46% > 25% (PERMITTED)
M&E BLOCK 1	52.154	11.065 + 6.520	17.59 33.72 33.72% > 25% (PERMITTED)
M&E BLOCK 2	66.200	13.070 + 0.650 + 1.500 + 0.650 + 5.60 + 8.45	29.92 45.20 44.49% > 25% (PERMITTED)



BD REF. NO.:	BD 2/9013/22(TH)
FSD REF. NO.:	FP 8/31643<13>
REVISIONS AND SUBMISSIONS:	
NO.:	DETAILS:
2	21/09/22 BD RE-SUBMISSION
1	17/06/22 BD RE-SUBMISSION
-	28/02/22 BD FIRST SUBMISSION

Yuen Kwok Cheung  
ARIA HKIA  
Authorized Person  
(List of Architects)

Coloured Amended General Drawing  
for BD Approval

CLIENT:  
  
九龍樂善堂  
THE LOK SIN TONG  
BENEVOLENT SOCIETY  
KOWLOON

MAIN CONTRACTOR:  
  
Woon Lee Construction Co. Ltd.

ARCHITECTURAL CONSULTANT (DESIGN & BUILD):  
  
馬海(建築顧問)有限公司  
Spence Robinson Limited

MIC STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):  
  
張耀新建築工程師有限公司  
Wilson & Associates Ltd

GEOTECHNICAL ENGINEERING CONSULTANT (DESIGN & BUILD):  
  
ARTHUR YUNG AND  
ASSOCIATES COMPANY LTD.  
容亨達工程師事務所

M&E ENGINEER CONSULTANT (DESIGN & BUILD):  
  
TELEMAX ENVIRONMENTAL AND  
ENERGY MANAGEMENT LIMITED

MIC SUPPLIER:  
  
CNQCIIC  
Subsidiary of CNQCI International Holdings Limited (HKEX 1240)

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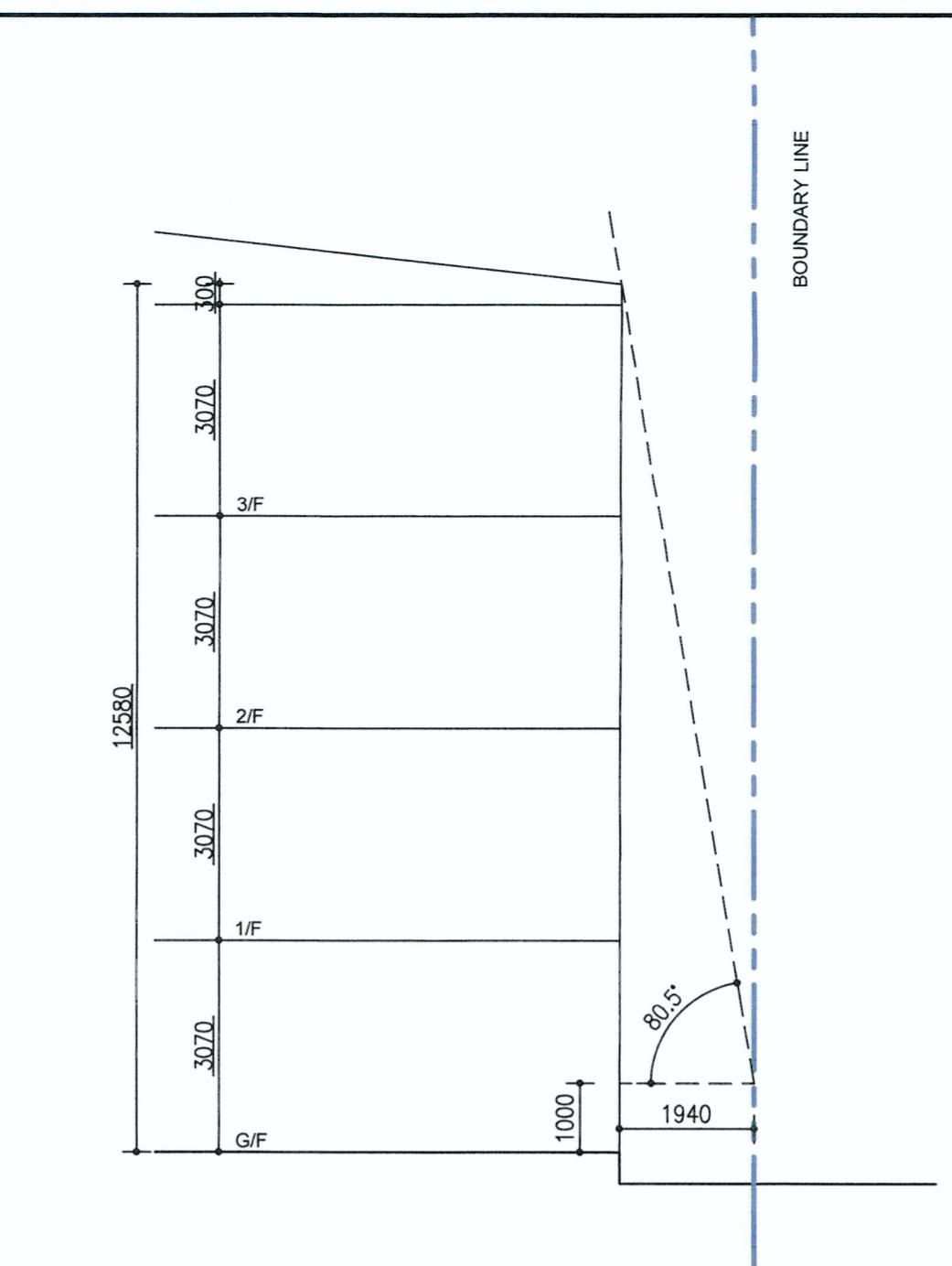
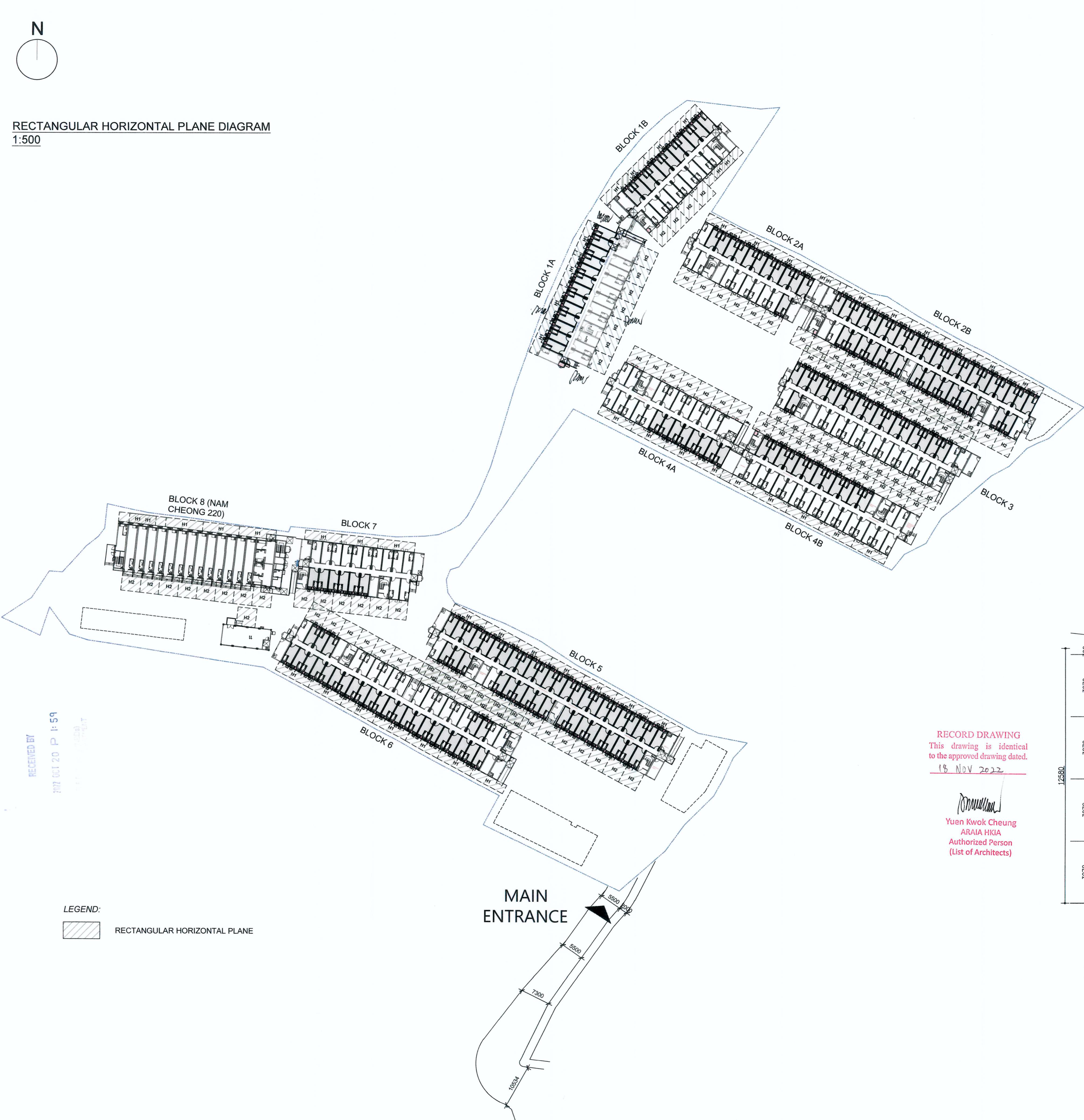
PROJECT:  
TRANSITIONAL HOUSING PROJECT AT WONG  
YUE TAN, TAI PO FOR THE LOK SIN TONG  
BENEVOLENT SOCIETY, KOWLOON

DRAWING TITLE:

OPEN SPACE CALCULATION DIAGRAM



DRAWN BY: CSC DATE: SEP 2022  
CHECKED BY: CMD APPROVED BY:  
SCALE: 1:500 PAPER SIZE: A1  
PROJECT: 2732 DRAWING NO.: AG/04/006 REVISION: 2



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1 17/06/22 BD RE-SUBMISSION  
- 28/02/22 BD FIRST SUBMISSION

*Yuen Kwok Cheung  
ARIA HKIA  
Authorized Person  
(List of Architects)*

Coloured Amended General Drawing  
for BD Approval

CLIENT:  
**九龍樂善堂**  
THE LOK SIN TONG  
BENEVOLENT SOCIETY  
KOWLOON

MAIN CONTRACTOR:  
**Woon Lee Construction Co. Ltd.**

ARCHITECTURAL CONSULTANT (DESIGN & BUILD):  
**馬海**  
馬海(建築顧問)有限公司  
Spence Robinson Limited

MIC STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):  
**Arthur Yung and Associates Company Ltd.**

GEOTECHNICAL ENGINEERING CONSULTANT (DESIGN & BUILD):  
**TEEM**  
TELEMAX ENVIRONMENTAL AND ENERGY MANAGEMENT LIMITED

M&E ENGINEER CONSULTANT (DESIGN & BUILD):  
**ENQCiC**  
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5. Prints without an authorized signature in the checked and approved spaces below and after the last revision above are not valid for use outside S.R.L.  
PROJECT:  
TRANSITIONAL HOUSING PROJECT AT WONG YUE TAN, TAI PO FOR THE LOK SIN TONG BENEVOLENT SOCIETY, KOWLOON

DRAWING TITLE:  
OPEN SPACE  
CALCULATION DIAGRAM

Plan Approved  
KWOK Chi-ling  
Senior Building Surveyor  
for BUILDING AUTHORITY  
18 NOV 2022

DRAINED BY: MS DATE: SEP 2022  
CHECKED BY: CMD APPROVED BY: KCY  
SCALE: AS SHOWN PAPER SIZE: A1  
PROJECT: 2732 DRAWING NO.: AG/04/007  
REVISION: 2



MAINTENANCE AND REPAIR ACCESS PLANS FOR  
COMPLIANCE WITH CODE OF PRACTICE ON ACCESS FOR  
EXTERNAL MAINTENANCE

A. INTRODUCTION  
THIS M&R ACCESS PLAN IS SPECIFICALLY TAILORED TO ADDRESS THE PROVISION OF ADEQUATE MEANS OF ACCESS FOR MAINTENANCE OF THE EXTERNAL BUILDING ELEMENTS OF THE BUILDING IN THE TRANSITIONAL HOUSING DEVELOPMENT AT WONG TAI SIN IN FULL COMPLIANCE WITH THE CODE OF PRACTICE ON ACCESS FOR EXTERNAL MAINTENANCE 2021 (THE CODE) FOR MEETING THE STATUTORY REQUIREMENTS UNDER B(CJR) SECTIONS 27(2), 28(5), 31(3) AND 34(3), THE SAFETY REQUIREMENTS FOR WORK-AT-HEIGHT UNDER THE OCCUPATIONAL SAFETY AND HEALTH ORDINANCE (Cap.509) (OSHA), THE FACTORIES AND INDUSTRIAL UNDERTAKINGS ORDINANCE (Cap.59) (FIUO) AND THEIR SUBSIDIARY REGULATIONS.

THE BUILDINGS IN THIS PROJECT (AS SHOWN IN THE GENERAL BUILDING DRAWINGS) INCLUDE:  
a. ELEVEN 4-STORY RESIDENTIAL BUILDINGS (12.8M H)  
b. TWO M&E BLOCKS (A 1-STORY 4.10M H AND A 2-STORY 9.80M)  
c. ONE COMMERCIAL (SHOP) BLOCK AND ONE OFFICE (MANAGEMENT OFFICE) BLOCK (3.75M H)  
d. TWO BLOCKS OF F.S. WATER TANK & PUMP ROOM (3.95M H)

B. EXTENT OF EXTERNAL MAINTENANCE AND M&R ACCESS PROVIDED IN THIS PROJECT  
THE EXTERNAL BUILDING ELEMENTS REQUIRING M&R AND MEANS OF ACCESS ARE IDENTIFIED BELOW:

1. EXTERNAL WALL  
MAJOR M&R WORKS FOR EXTERNAL WALL INCLUDE INSPECTION, CLEANSING, REPAIR AND REPLACEMENT OF DEFECTIVE BUILDING ELEMENTS AND COMPONENTS SUCH AS WALL FINISHES (PAINT), WINDOWS, GLASS PANES. THE M&R ACCESS SHALL BE PROVIDED BY MAINTENANCE DOOR AND POWER-OPERATED ELEVATING WORK PLATFORM.

2. PROJECTION FROM EXTERNAL WALL  
a. EXTERNAL DRAINAGE PIPE  
THE MAJOR M&R WORKS FOR EXTERNAL DRAINAGE PIPE INCLUDE INSPECTION, REPAIR AND REPLACEMENT OF DEFECTIVE DRAINAGE PIPES. THE M&R ACCESS SHALL BE PROVIDED BY POWER-OPERATED ELEVATING WORK PLATFORM. THE PLANNING AND DESIGN OF M&R ACCESS TO DRAINAGE WORKS WITH THE REQUIREMENTS STIPULATED IN PNAP APP-03 AND ARE ACCESSIBLE FROM COMMON PARTS OF THE BUILDING (EXTERNAL WALLS) AND PIPES ARE EXPOSED.

b. ARCHITECTURAL PROJECTION AT THE BUILDING  
THE MAJOR M&R WORKS FOR PROJECTIONS INCLUDE INSPECTION, REPAIR AND REPLACEMENT OF DEFECTIVE PART. THE M&R ACCESS SHALL BE PROVIDED BY POWER-OPERATED ELEVATING WORK PLATFORM.

3. ROOF  
d. INACCESSIBLE ROOF  
AN INACCESSIBLE ROOF IS NOT INTENDED TO BE USED FOR OCCUPATION AND IS ONLY ACCESSIBLE TO PERSONNEL FOR M&R WORKS WHICH INCLUDE INSPECTION, CLEANSING AND REPAIR AND REPLACEMENT OF DEFECTIVE PART OF ROOF FINISHED, FEATURES, FACILITIES (SUCH AS WATER TANK AND BUILDING SERVICES). THE M&R ACCESS IS PROVIDED BY FIXED MAINTENANCE LADDER, MAINTENANCE DOOR AND POWER-OPERATED ELEVATING WORK PLATFORM. GUARD-RAILS WITH TOE-BOARDS ARE PROVIDED AT THE EDGE OF THE ROOF AS SAFETY MEASURES.

A SUMMARY OF THE PROPOSED M&R ACCESS REFER ATTACHED APPENDIX FOR THE CHECKLIST FOR PROVISION OF M&R ACCESS.

C. DESIGN OF THE PROPOSED M&R ACCESS  
THE DESIGN STANDARDS ADOPTED FOR THE DESIGN OF THE M&R ACCESS ARE:  
1. TO CATER FOR OPERATIONAL NEED FOR M&R INCLUDING MATERIAL DELIVERY  
2. TO ENABLE WORKERS TO REACH THE INTENDED EXTERNAL BUILDING ELEMENTS WITH A HAND-REACHABLE RANGE OF NOT MORE THAN 500MM IN FRONT OF THE ELEMENT FOR CARRYING OUT M&R WORKS.  
3. TO COMPLY WITH THE REQUIREMENTS, AS APPROPRIATE OF:  
a. CODE OF PRACTICE ON ACCESS FOR EXTERNAL MAINTENANCE 2021  
b. PART B AND PART C OF THE CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS (FS CODE)  
c. PROTECTIVE BARRIERS UNDER SECTIONS 26, 27 AND 38 OF THE B(CJR) REGULATION 3A OF THE B(CJR) PNAP APP-110 (LOADING CODE)  
d. CODE OF PRACTICE FOR DEAD AND IMPOSED LOADS 2011 (LOADING CODE)

4. SPECIFIC CONSIDERATIONS  
a. GUARD RAILS AT THE EDGE OF INACCESSIBLE ROOF(METAL ROOF)  
GUARD RAILS WITH TOE TO COMPLY WITH OCCUPATION SAFETY REQUIREMENTS SET OUT IN PARA 4(A) AND (B) OF APPENDIX D OF CODE OF PRACTICE ON ACCESS FOR EXTERNAL MAINTENANCE 2021.

b. FIXED MAINTENANCE LADDER AND HATCH DOOR TO INACCESSIBLE ROOF  
FIXED MAINTENANCE LADDER ARE OF MINIMUM WIDTH NOT LESS THAN 400MM AND NOT MORE THAN 500MM WITH SAFETY HOOPS OF WIDTH NOT LESS THAN 650MM AND NOT MORE THAN 800MM. FIXED CAT LADDER PROVIDED TO REACH A HEIGHT OF 3M OR MORE AS INDICATED ON PLAN. HATCH DOORS ARE PROVIDED AT ROOF SLABS FOR M&R ACCESS TO INACCESSIBLE ROOF. THE SIDES OF HATCH OPENING ARE NOT LESS THAN 500MM CLEAR.

c. POWER-OPERATED ELEVATING WORK PLATFORM TO ALL ELEVATIONS OF BUILDINGS  
THE EXTERIOR OF THE EXTERNAL WALLS TO BE ACCESSED BY POWER-OPERATED ELEVATING WORK PLATFORM SHALL NOT EXCEED 1.5M ABOVE THE PLATFORM LEVEL WHEN IT IS IN THE MAXIMUM OPERATION HEIGHT. A LEVELLED AND FIRM DESIGNATED AREA IS PROVIDED OUTSIDE THE BUILDING FOR PARKING THE PLATFORM.

d. WHERE ELEVATIONS OF BUILDINGS EXCEEDING 1 STOREY AND NOT WITHIN REACH OF POWER OPERATED WORK PLATFORM, ANCHORAGES TO BE PROVIDED AT ROOF LEVEL FOR TEMPORARY WORKING PLATFORM. REFER ROOF PLAN FOR LOCATIONS OF ANCHORAGES. ANCHORAGES DETAILS TO BE SEPARATELY SUBMITTED IN THE STRUCTURAL DRAWINGS.

D. TECHNICAL SPECIFICATION AND ADEQUACY OF THE PROPOSED M&R ACCESS  
1. GUARD RAILS INACCESSIBLE ROOF  
a. TOP GUARD RAIL WITH A HEIGHT OF NOT LESS THAN 900MM AND NOT MORE THAN 1150MM AND INTERMEDIATE GUARD RAIL WITH A HEIGHT OF NOT LESS THAN 450MM AND NOT MORE THAN 600MM.  
b. TOE-BOARD WITH A HEIGHT OF NOT LESS THAN 200MM; AND GUARD RAILS ARE MADE OF STAINLESS STEEL 316 OF SUFFICIENT STRENGTH AND CAPACITY AND DESIGNED TO RESIST THE IMPOSED LOADS UNDER THE CATEGORY OF 'AREA WHERE CONGREGATION OF PEOPLE IS NOT EXPECTED AS PRESCRIBED IN TABLE 3.1.3 OF THE LOADING CODE.'

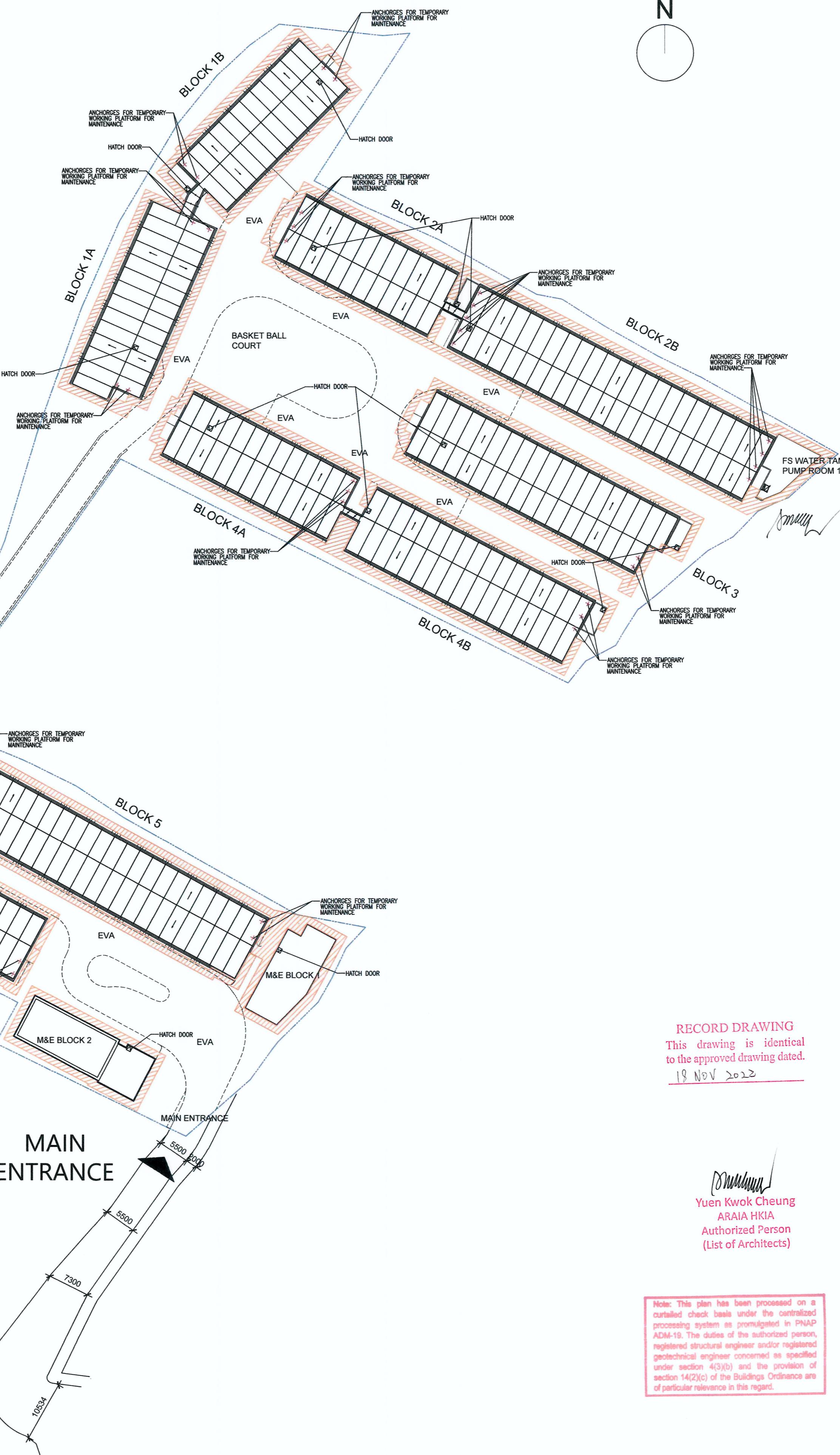
2. FIXED MAINTENANCE LADDER TO INACCESSIBLE ROOF  
TO COMPLY WITH OCCUPATIONAL SAFETY REQUIREMENTS, ALL MAINTENANCE LADDERS ARE PROVIDED WITH ANTI-CLIMBING DEVICE (LADDER GUARDS AND LADDER LOCK) AT ITS LOWER LEVEL AND SUITABLE SAFETY HOOPS FOR PREVENTION OF UNAUTHORIZED CLIMBING. THE MAINTENANCE LADDERS ARE LESS THAN 9M, THEREFORE NO LANDING/PLATFORM IS NEEDED/PROVIDED.

3. POWER-OPERATED ELEVATING WORK PLATFORM  
THE KEY SPECIFICATIONS ARE AS FOLLOWS:  
• PLATFORM HEIGHT (FULLY RAISED): 11.5M MIN.  
• MACHINE HEIGHT (WITH DEMOUNTABLE RAILING): 2.1M MAX.  
• GROUND CLEARANCE: 0.1M  
• MACHINE LENGTH: 2.40M MAX.  
• MACHINE WIDTH: 1.20M MAX.  
• PLATFORM SIZE: 2.25M X 1.15M X 1.1M MIN.  
• PLATFORM CAPACITY: 320KG  
• MAX. CAPACITY FOR 2 PERSONS (INTERNAL), 1 PERSON (EXTERNAL)  
• ELECTRIC SCISSOR LIFT

CHECKLIST FOR PROVISION OF MAINTENANCE AND  
REPAIR ACCESS

Means of Access Provided	External Building Elements (specify the location as appropriate)
<input type="checkbox"/> Suspended working platform	<input type="checkbox"/> Air-conditioner platform <input type="checkbox"/> Balcony and utility platform <input type="checkbox"/> Canopy <input type="checkbox"/> Cornice, eave, fin, moulding, overhang, reflector, sun-shade, and other architectural projections <input type="checkbox"/> Curtain wall <input type="checkbox"/> Drying rack <input type="checkbox"/> External cladding <input type="checkbox"/> External drainage pipe <input type="checkbox"/> External vertical greenery <input type="checkbox"/> External wall <input type="checkbox"/> Inaccessible roof <input type="checkbox"/> Planter box <input type="checkbox"/> Signboard <input type="checkbox"/> Others (please specify)
<input type="checkbox"/> Maintenance door	<input type="checkbox"/> Signboard <input type="checkbox"/> Others (please specify) <input checked="" type="checkbox"/> Inaccessible roof <input type="checkbox"/> External vertical greenery <input type="checkbox"/> External drainage pipe <input type="checkbox"/> External wall <input type="checkbox"/> Inaccessible roof <input type="checkbox"/> Signboard <input type="checkbox"/> Others (please specify)
<input checked="" type="checkbox"/> Fixed maintenance ladder or external walkway	<input type="checkbox"/> External drainage pipe <input type="checkbox"/> External vertical greenery <input checked="" type="checkbox"/> Inaccessible roof <input type="checkbox"/> Projections from a roof <input type="checkbox"/> External wall <input type="checkbox"/> Signboard <input type="checkbox"/> Others (please specify)
<input type="checkbox"/> Maintenance access ladder and gantry system	<input type="checkbox"/> Inaccessible roof <input type="checkbox"/> Projections from a roof <input type="checkbox"/> Signboard <input type="checkbox"/> Others (please specify)
<input checked="" type="checkbox"/> Power-operated elevating work platform	<input type="checkbox"/> Air-conditioner platform <input type="checkbox"/> Balcony and utility platform <input type="checkbox"/> Canopy <input checked="" type="checkbox"/> Cornice, eave, fin, moulding, overhang, reflector, sun-shade, and other architectural projections <input type="checkbox"/> Curtain wall <input type="checkbox"/> Drying rack <input type="checkbox"/> External cladding <input checked="" type="checkbox"/> External drainage pipe <input checked="" type="checkbox"/> External vertical greenery <input checked="" type="checkbox"/> External wall <input checked="" type="checkbox"/> Inaccessible roof <input type="checkbox"/> Planter box <input type="checkbox"/> Signboard <input type="checkbox"/> Others (please specify)
<input type="checkbox"/> Maintenance staircase	<input type="checkbox"/> Air-conditioner platform <input type="checkbox"/> Canopy <input type="checkbox"/> Cornice, eave, fin, moulding, overhang, reflector, sun-shade, and other architectural projections <input type="checkbox"/> Drying rack <input type="checkbox"/> External drainage pipe <input type="checkbox"/> External vertical greenery <input type="checkbox"/> External wall <input type="checkbox"/> Signboard <input type="checkbox"/> Others (please specify)

Means of Access Provided	External Building Elements (specify the location as appropriate)
<input type="checkbox"/> Suspended working platform	<input type="checkbox"/> Signboard <input type="checkbox"/> Others (please specify)
<input type="checkbox"/> Maintenance door	<input type="checkbox"/> Signboard <input type="checkbox"/> Others (please specify)
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<input type="checkbox"/> Maintenance staircase	<input type="checkbox"/> Air-conditioner platform <input type="checkbox"/> Canopy <input type="checkbox"/> Cornice, eave, fin, moulding, overhang, reflector, sun-shade, and other architectural projections <input type="checkbox"/> Drying rack <input type="checkbox"/> External drainage pipe <input type="checkbox"/> External vertical greenery <input type="checkbox"/> External wall <input type="checkbox"/> Signboard <input type="checkbox"/> Others (please specify)



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FSD. REF. NO.: FP 8/31643<13>
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2. 21/09/22 BD RE-SUBMISSION  
1. 17/06/22 BD RE-SUBMISSION  
- 28/02/22 BD FIRST SUBMISSION  
  
Yuen Kwok Cheung  
ARIA HKIA  
Authorized Person  
(List of Architects)

Coloured Amended General Drawing  
for BD Approval

CLIENT:  
九龍樂善堂  
THE LOK SIN TONG  
BENEVOLENT SOCIETY  
KOWLOON  
MAIN CONTRACTOR:  
Woon Lee Construction Co., Ltd.

ARCHITECTURAL CONSULTANT (DESIGN & BUILD):  
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Spence Robinson Limited

MIC STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):  
張耀新建築工程師有限公司  
Wilson & Associates Ltd

GEOTECHNICAL ENGINEERING CONSULTANT (DESIGN & BUILD):

ARTHUR YUNG AND  
ASSOCIATES COMPANY LTD.  
容亨達工程師事務所

M&E ENGINEER CONSULTANT (DESIGN & BUILD):

NEEM  
TELEMAX ENVIRONMENTAL AND  
ENERGY MANAGEMENT LIMITED

MIC SUPPLIER:

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PROJECT:

TRANSITIONAL HOUSING PROJECT AT WONG  
YUE TAN, TAI PO FOR THE LOK SIN TONG  
BENEVOLENT SOCIETY, KOWLOON

DRAWING TITLE:

M&R ACCESS PLAN

Plan Approved
KWOK Chi-hing Senior Building Surveyor for BUILDING AUTHORITY
18 NOV 2022

DRAWN BY: PT	DATE: SEP 2022
CHECKED BY: CMD	APPROVED BY: KCY
SCALE: 1:500	PAPER SIZE: A1
PROJECT: 2732	DRAWING NO.: AG/04/009
REVISION: 2	

## SCHEDULE OF FIRE RESISTANCE FOR ELEMENTS OF CONSTRUCTION

BLOCK	FLOOR	USE	CLASS	COMPARTMENT AREA (m <sup>2</sup> )		COMPARTMENT VOLUME (m <sup>3</sup> )		F.R.R. (mins.)	MINIMUM DIMENSION OF ELEMENT												
				PROVIDED	PERMITTED	PROVIDED	PERMITTED		SLAB	BEAM	COLUMN	WALL	THICKNESS	COVER TO STEEL	THICKNESS	COVER TO STEEL	THICKNESS	COVER TO STEEL			
1A	G/F	DOMESTIC	1b	NOT LIMITED	60	110 (60) (SUPPORTED BY 150x150 x 20 mm S.H.S. STEEL BEAM.)	20	150 x 150 x 8 mm S.H.S. STEEL COLUMN	150 x 150 x 8 mm S.H.S. STEEL COLUMN	54mm 80kg/m <sup>3</sup> ROCK WOOL CENTRAL CORE	40mm GUM TREE SOFT FIRE BOARD 2 SIDES AND 9mm CEMENT BOARD 2 SIDES	FIRE PAINT TO MEET BS 476 PART 20 OR BS EN 1365	FIRE PAINT TO MEET BS 476 PART 20 OR BS EN 1365	54mm 80kg/m <sup>3</sup> ROCK WOOL CENTRAL CORE	40mm GUM TREE SOFT FIRE BOARD 2 SIDES AND 9mm CEMENT BOARD 2 SIDES	FIRE PAINT TO MEET BS 476 PART 20 OR BS EN 1365	FIRE PAINT TO MEET BS 476 PART 20 OR BS EN 1365	54mm 80kg/m <sup>3</sup> ROCK WOOL CENTRAL CORE	40mm GUM TREE SOFT FIRE BOARD 2 SIDES AND 9mm CEMENT BOARD 2 SIDES	FIRE PAINT TO MEET BS 476 PART 20 OR BS EN 1365	FIRE PAINT TO MEET BS 476 PART 20 OR BS EN 1365
1B	1/F-3/F																				
2A	G/F																				
2B	G/F																				
3	G/F																				
4A	G/F																				
4B	G/F																				
5	G/F																				
6	G/F																				
7	G/F																				
8	G/F																				
SHOP	G/F	COMMERCIAL SHOP	4b	61.920	NOT EXCEED 2,500	195.048	NOT EXCEED 2,500														
MANAGEMENT OFFICE	G/F	OFFICE	4a	61.920	NOT EXCEED 2,500	195.048	NOT EXCEED 10,500														
R.C. SLAB																					
R.C. BEAM																					
R.C. COLUMN																					
R.C. WALL																					
THICKNESS																					
S. SUPPORT																					
CONTINU.																					
THICKNESS																					
S. SUPPORT																					
CONTINU.																					
F. EXPOSED																					
50% EXPOSED																					
F. EXPOSED																					
ONE FACE EXPOSED																					
THICKNESS																					
CONCRETE COVER																					
M&E BLOCK 1	G/F	E&M	8	144.030	NOT EXCEED 2,500	729.165	NOT EXCEED 7,000														
	1/F	E&M	8	144.030	NOT EXCEED 2,500	604.926	NOT EXCEED 7,000														
M&E BLOCK 2	G/F	E&M	8	210.216	NOT EXCEED 2,500	768.968	NOT EXCEED 7,000														
F.S. WATER TANK & PUMP ROOM 1	G/F	E&M	8	69.653	NOT EXCEED 2,500	289.059	NOT EXCEED 7,000														
F.S. WATER TANK & PUMP ROOM 2	G/F	E&M	8	74.466	NOT EXCEED 2,500	315.662	NOT EXCEED 7,000														

## SCHEDULE OF SANITARY FITTING

BLOCK	FLOOR	USE	UNIT TYPE	OCCUPANCY FACTOR (m <sup>2</sup> /PERSON)	USABLE FLOOR AREA (m <sup>2</sup> )	CAPACITY OF EACH FLOOR/UNIT	RATIO OF SANITARY FITTING AND NO. OF SANITARY FITTING	SANITARY FITTING			
								W.C.	BASIN	URINAL	SHOWER
1A-7	G/F - 3/F	DOMESTIC	1 & 1-R	9	9.632	2	-	1	1	1	-
			2 & 2-R	9	22.916	3	-	1	1	1	-
			3 & 3-R	9	25.083	3	-	1	1	1	-
			4	9	18.755	3	-	1	1	1	-
			I	9	11.381	2	-	1	1	1	-
8	G/F -										

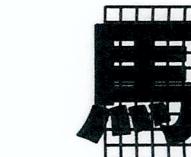
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 REVISIONS AND SUBMISSIONS:  
 NO.: DATE: DETAILS: CHECKED:  
 - 21/09/22 BD FIRST SUBMISSION

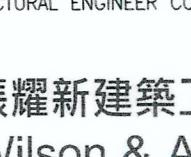
  
 Yuen Kwok Cheung  
 ARAIA HKIA  
 Authorized Person  
 (List of Architects)

Coloured Amended General Drawing  
 for BD Approval



MAIN CONTRACTOR  
  
**Woon Lee Construction Co. Ltd.**

ARCHITECTURAL CONSULTANT (DESIGN & BUILD):  
  
**馬海**  
 馬海 (建築顧問) 有限公司  
 Spence Robinson Limited

MIC STRUCTURAL ENGINEER CONSULTANT (DESIGN & BUILD):  
  
**張耀新建築工程師有限公司**  
 Wilson & Associates Ltd

GEOTECHNICAL ENGINEERING CONSULTANT (DESIGN & BUILD):  
  
**ARTHUR YUNG AND  
 ASSOCIATES COMPANY LTD.**  
 容亨達工程師事務所

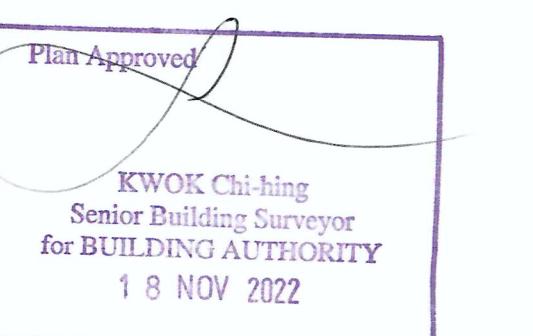
M&E ENGINEER CONSULTANT (DESIGN & BUILD):  
  
**TEEM**  
 TELEMAX ENVIRONMENTAL AND  
 ENERGY MANAGEMENT LIMITED

MIC SUPPLIER:  
  
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 Subsidiary of CNQ International Holdings Limited (HEX 1240)

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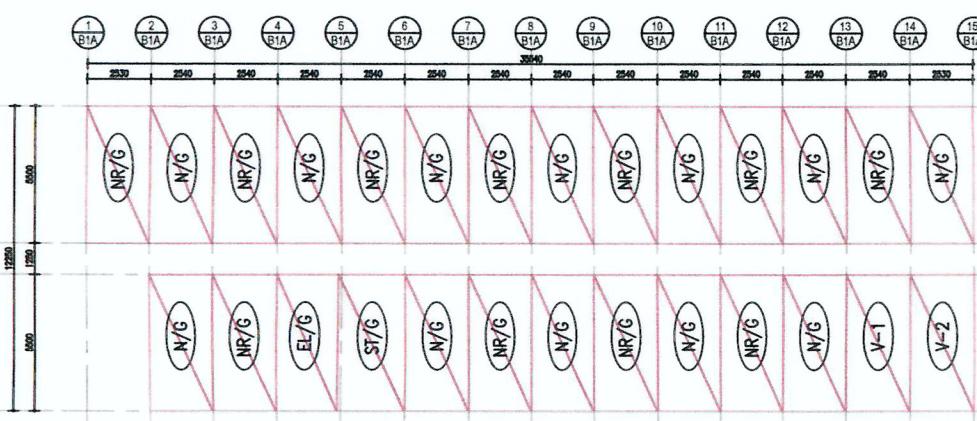
PROJECT:  
**TRANSITIONAL HOUSING PROJECT AT WONG  
 YUE TAN, TAI PO FOR THE LOK SIN TONG  
 BENEVOLENT SOCIETY, KOWLOON**

DRAWING TITLE:  
**MIC SCHEMATIC DIAGRAM (BLOCKS 1A TO 3)**



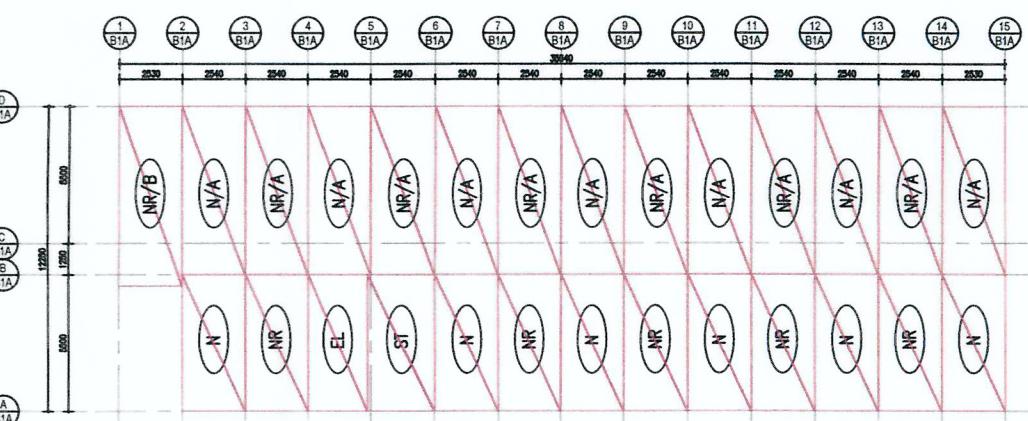
DRAWN BY: MS DATE: SEP 2022  
 CHECKED BY: APPROVED BY:  
 SCALE: 1:300 PAPER SIZE: A1  
 PROJECT: 2732 DRAWING NO.: AG/06/001 REVISION: -

**BLOCK 1A**



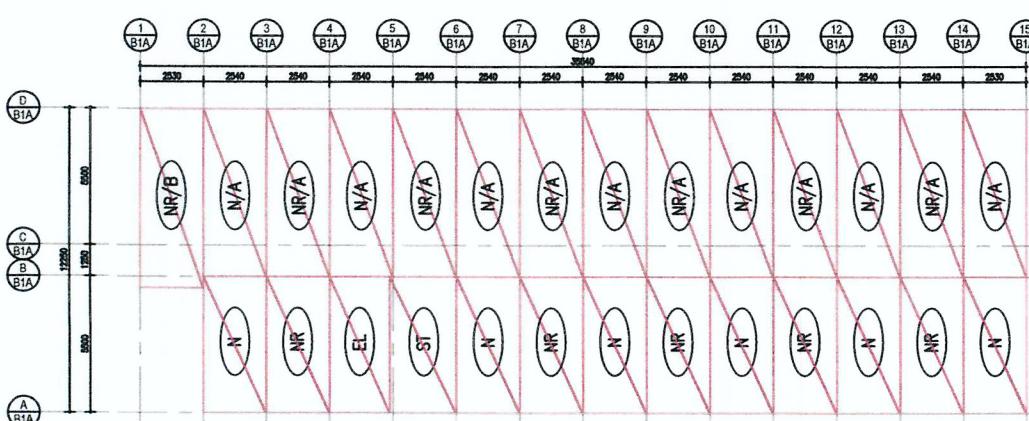
GROUND FLOOR MIC LAYOUT

SCALE 1:300



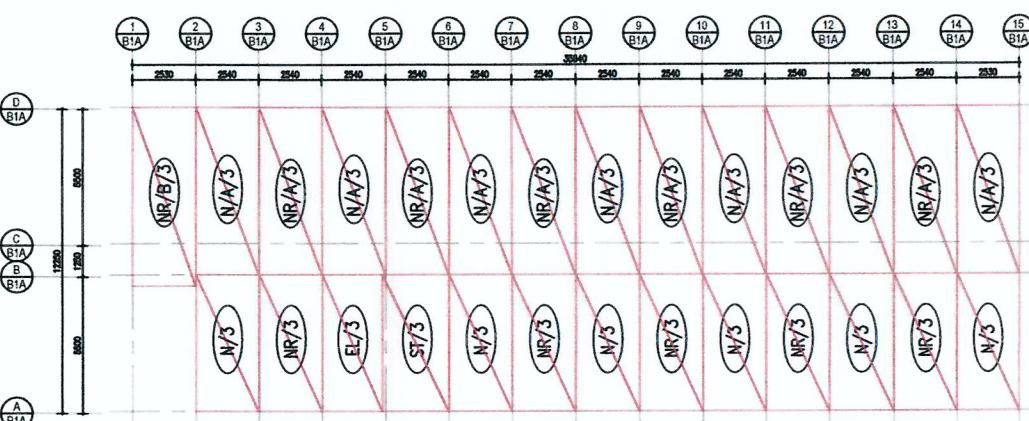
FIRST FLOOR MIC LAYOUT

SCALE 1:300



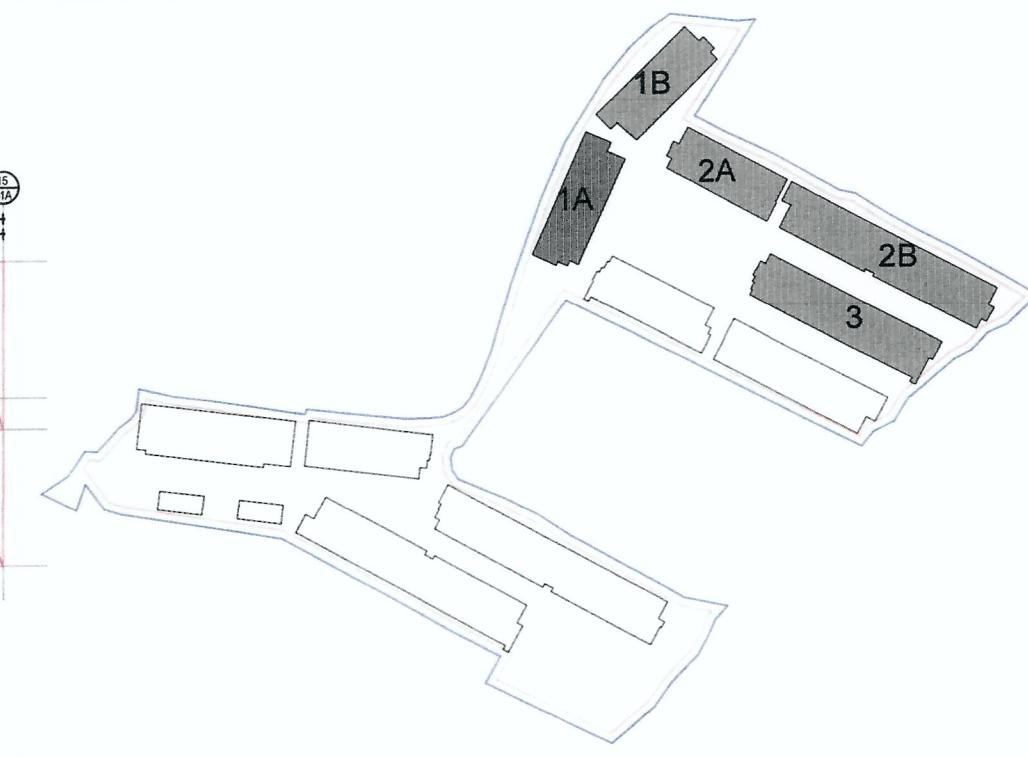
SECOND FLOOR MIC LAYOUT

SCALE 1:300



THIRD FLOOR MIC LAYOUT

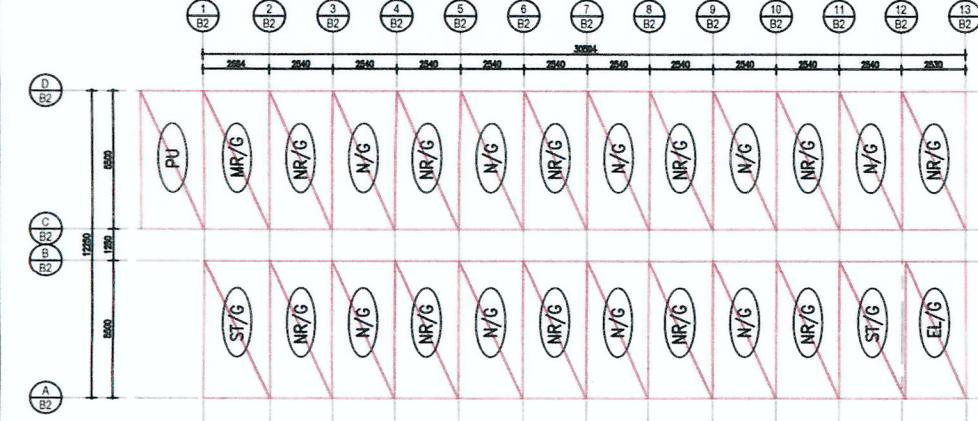
SCALE 1:300



KEY PLAN  
 1:2000

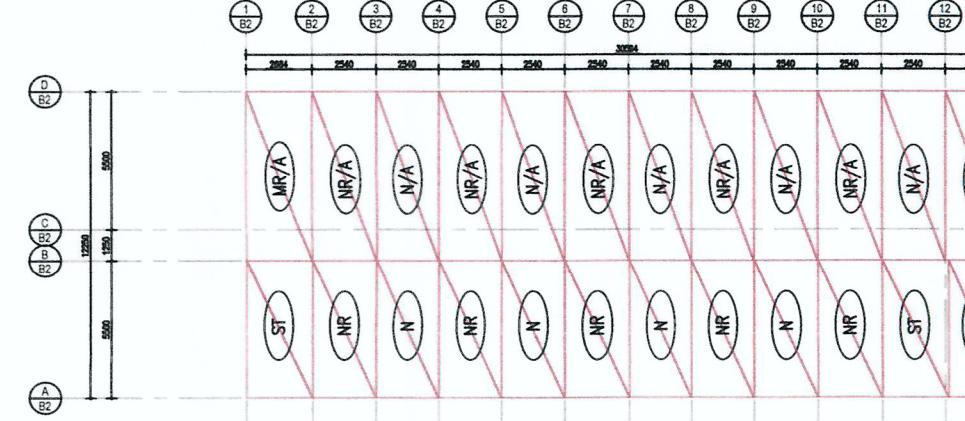
NORTH BLOCKS PLAN

**BLOCK 1B**



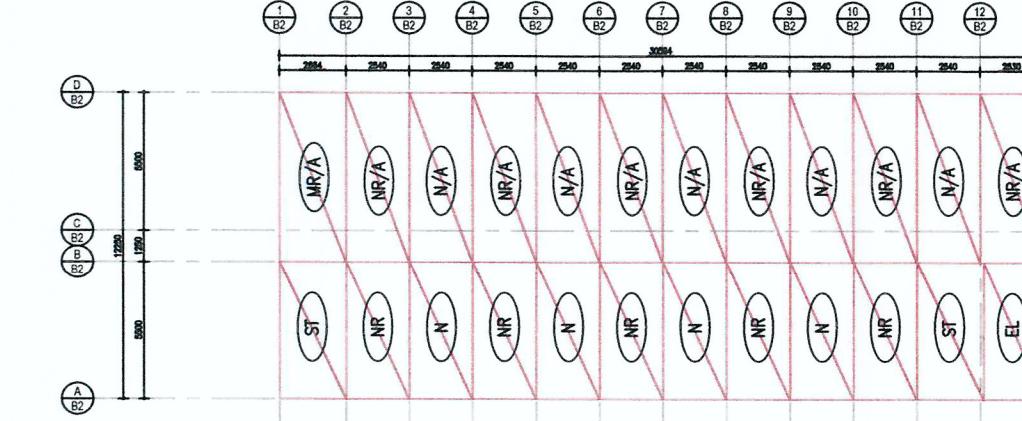
GROUND FLOOR MIC LAYOUT

SCALE 1:300



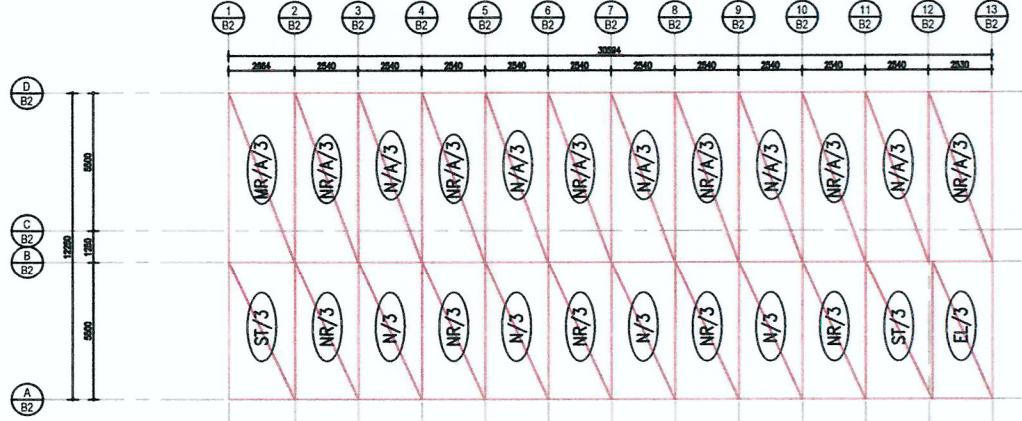
FIRST FLOOR MIC LAYOUT

SCALE 1:300



SECOND FLOOR MIC LAYOUT

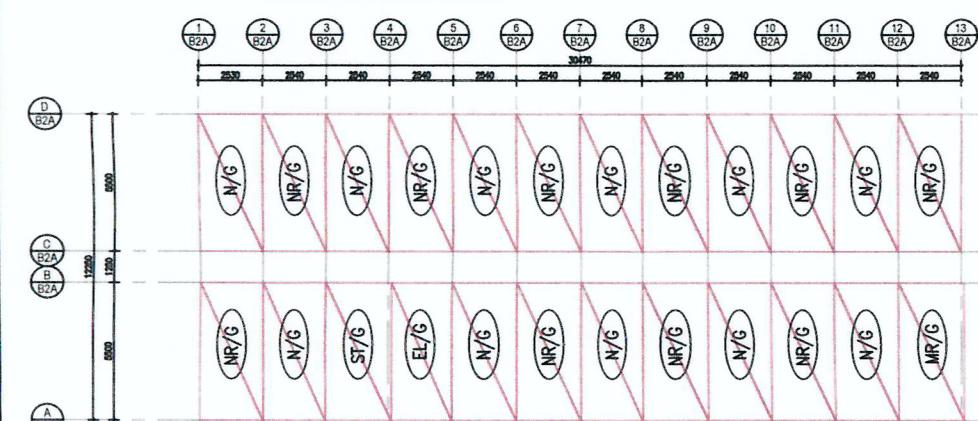
SCALE 1:300



THIRD FLOOR MIC LAYOUT

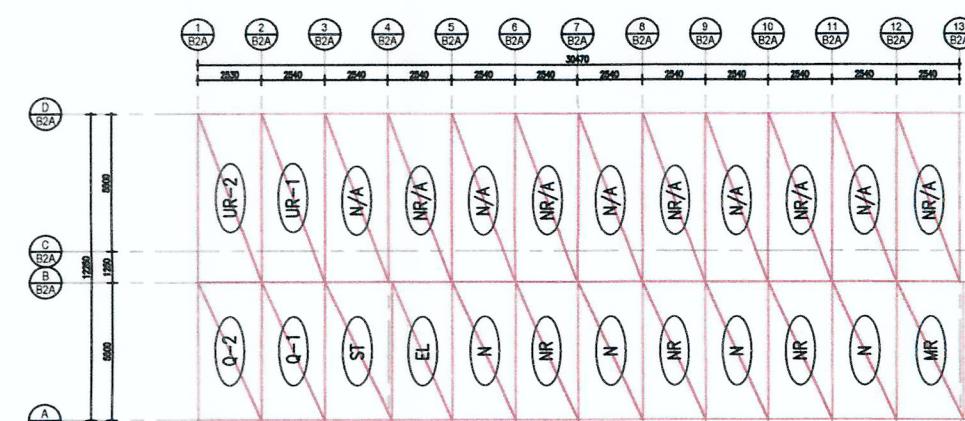
SCALE 1:300

**BLOCK 2A**



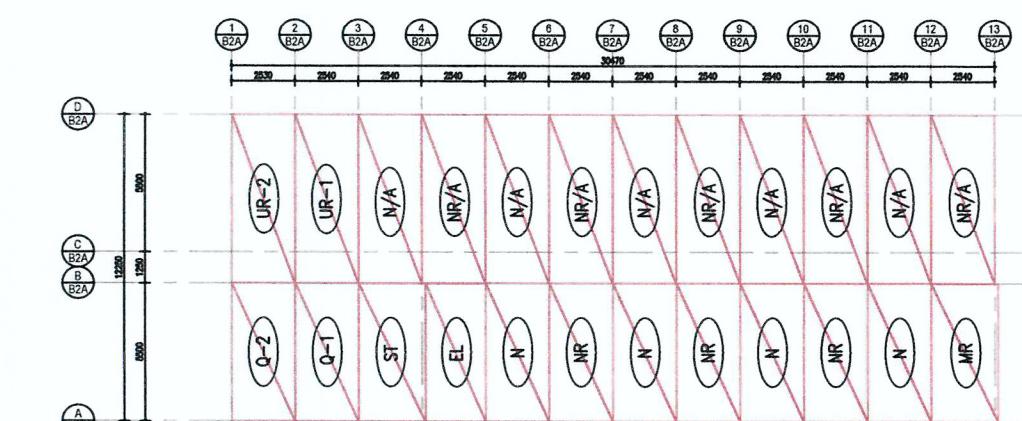
GROUND FLOOR MIC LAYOUT

SCALE 1:300



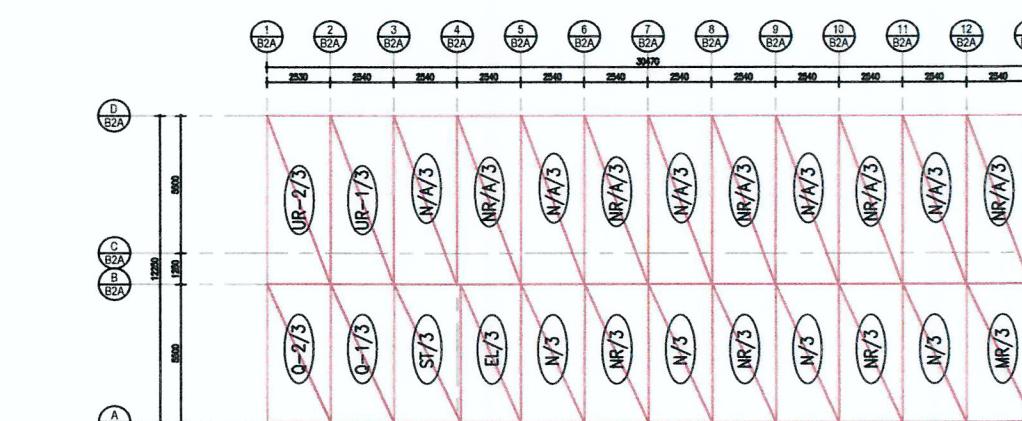
FIRST FLOOR MIC LAYOUT

SCALE 1:300



SECOND FLOOR MIC LAYOUT

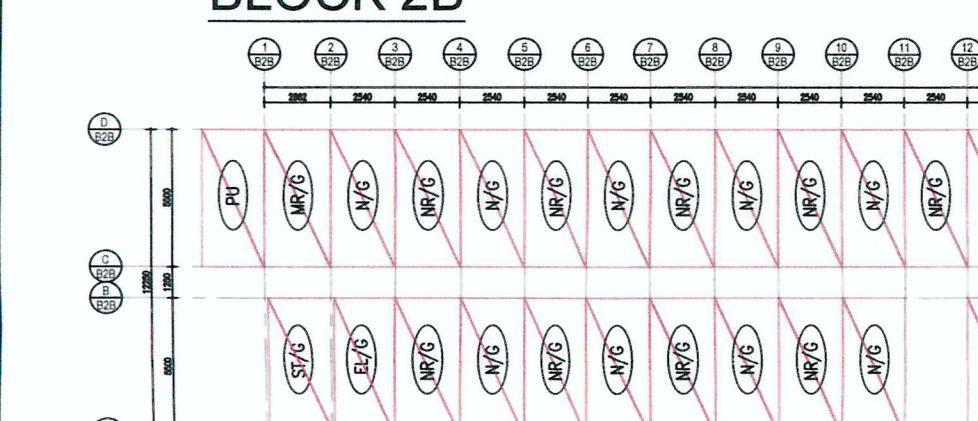
SCALE 1:300



THIRD FLOOR MIC LAYOUT

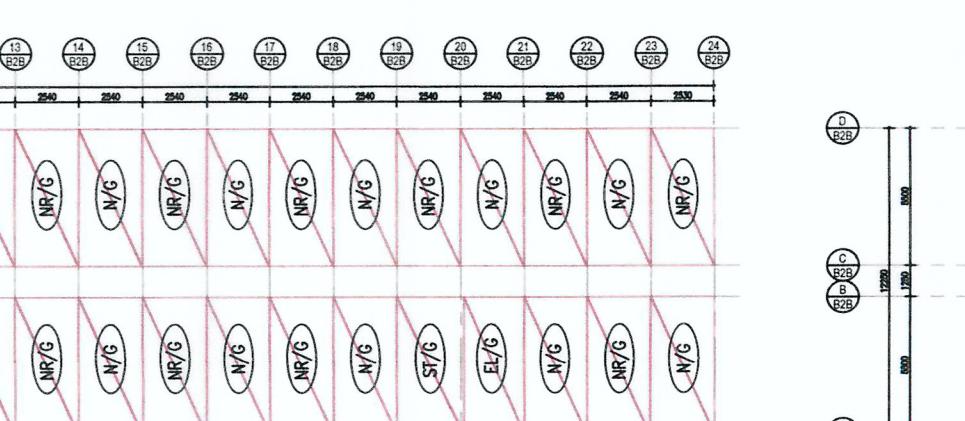
SCALE 1:300

**BLOCK 2B**



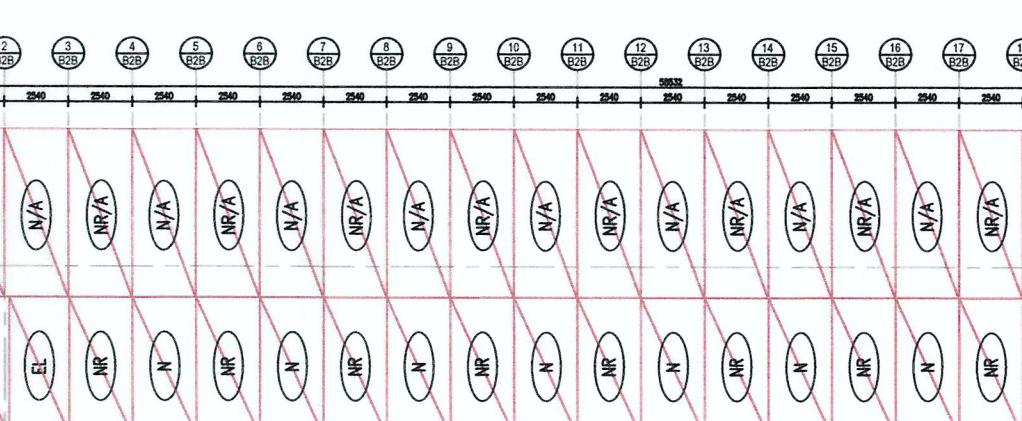
GROUND FLOOR MIC LAYOUT

SCALE 1:300



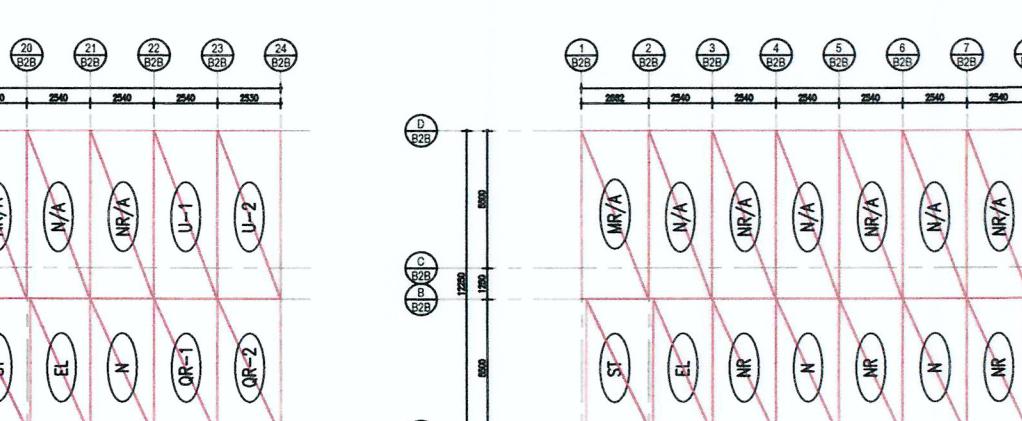
FIRST FLOOR MIC LAYOUT

SCALE 1:300



SECOND FLOOR MIC LAYOUT

SCALE 1:300



THIRD FLOOR MIC LAYOUT

SCALE 1:300

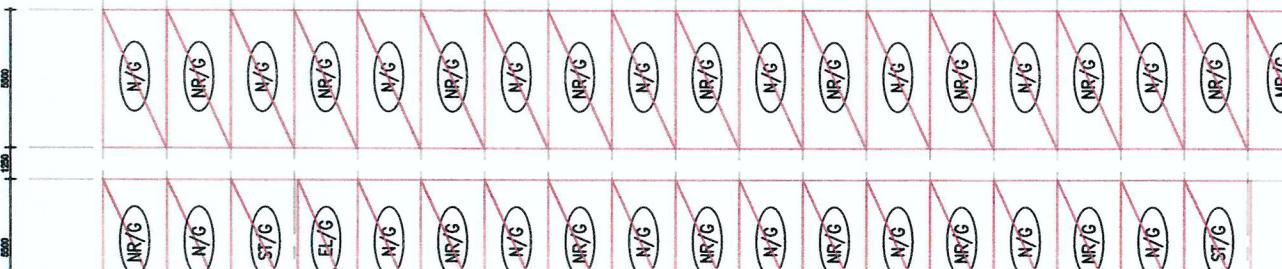
RECEIVED BY

P: 1:59

20/09/2022

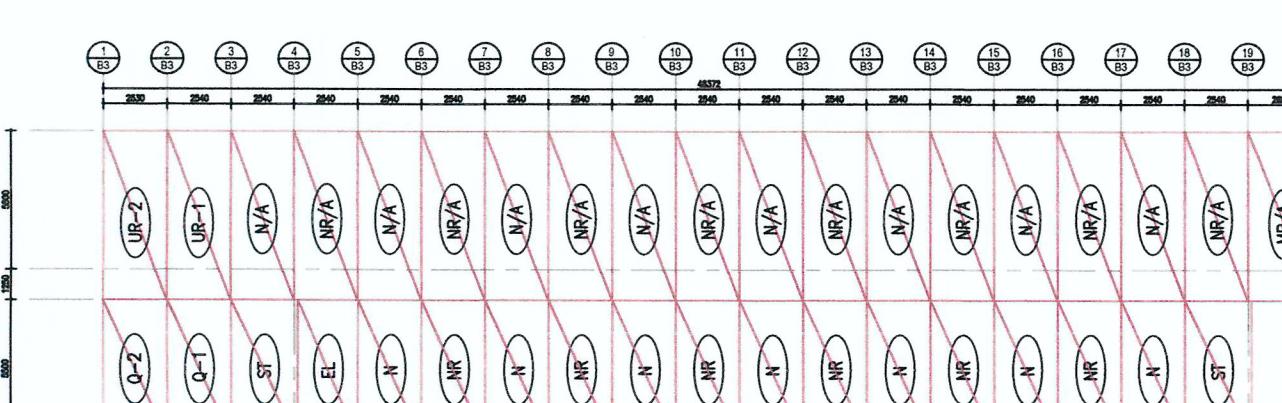
20/09/2022

**BLOCK 3**



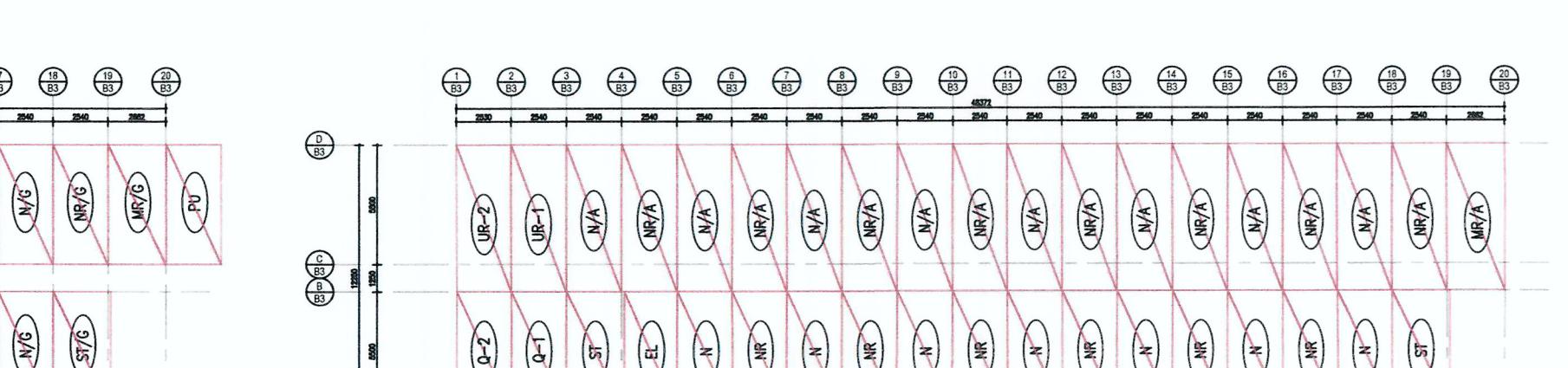
GROUND FLOOR MIC LAYOUT

SCALE 1:300



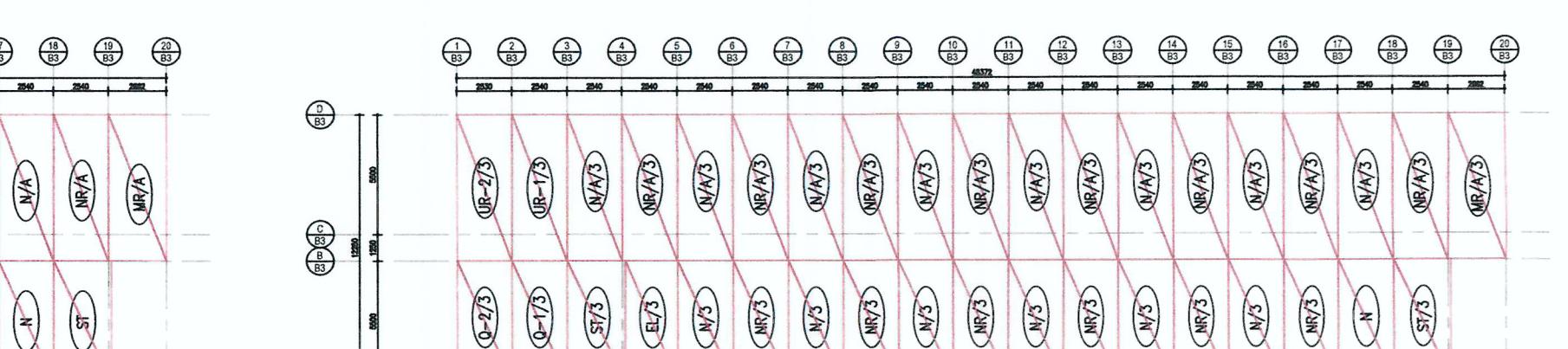
SECOND FLOOR MIC LAYOUT

SCALE 1:300



FIRST FLOOR MIC LAYOUT

SCALE 1:300



THIRD FLOOR MIC LAYOUT

SCALE 1:300

**LEGEND**

-  MODULE TYPE
-  MIC MODULE

NEW DRAWING



