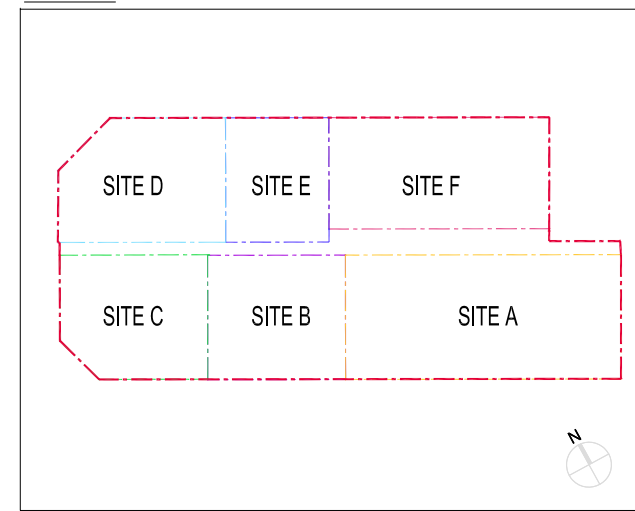


Appendix 1.1 The Master Layout Plan of the Proposed Development



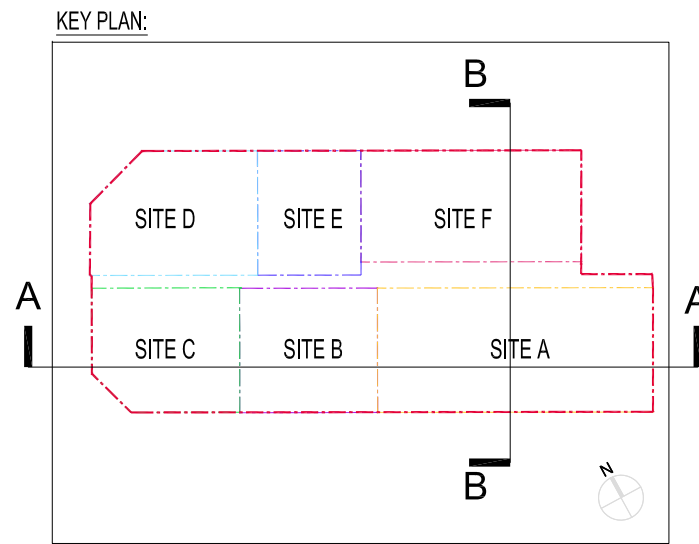
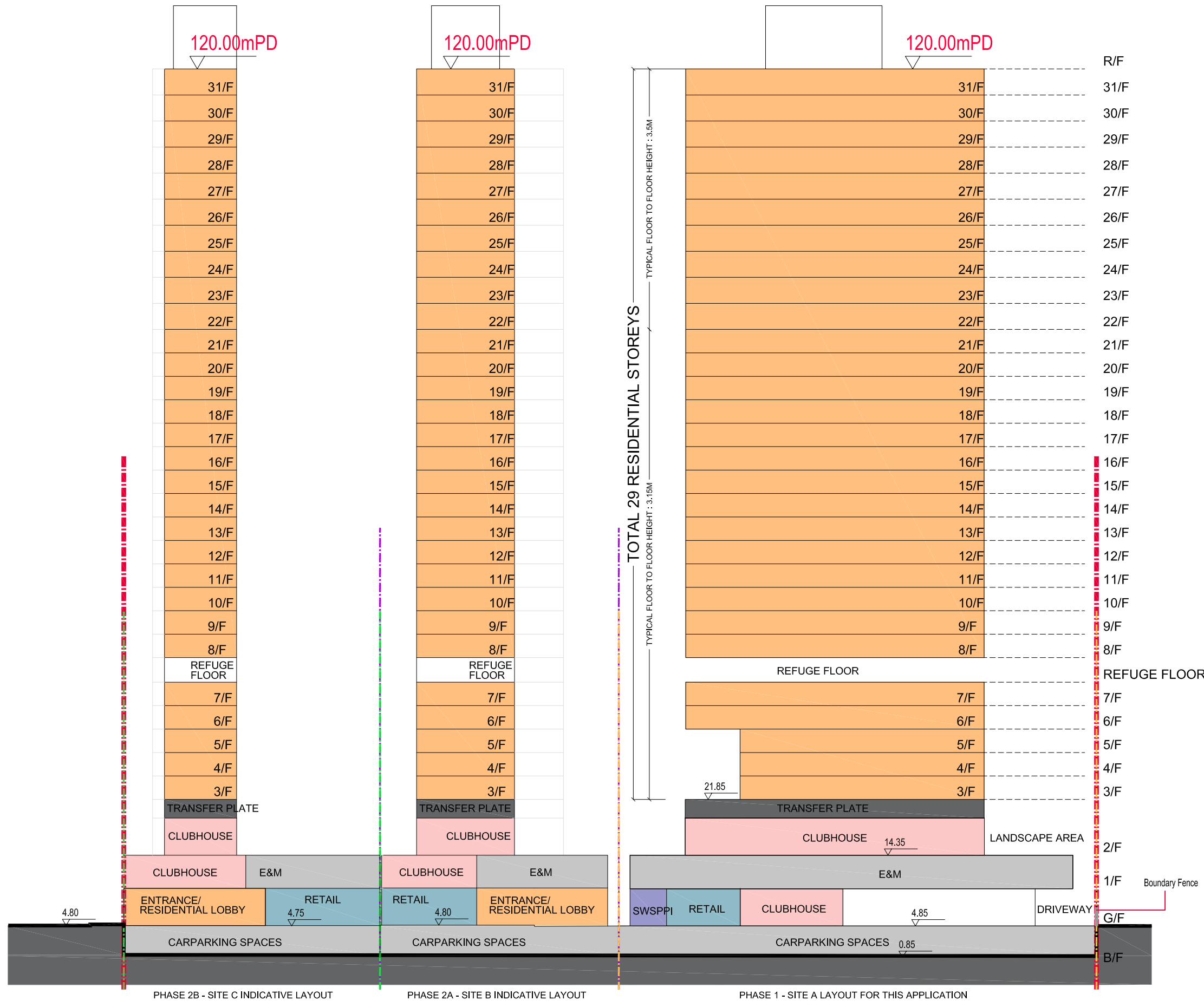
KEY PLAN:



LEGEND:

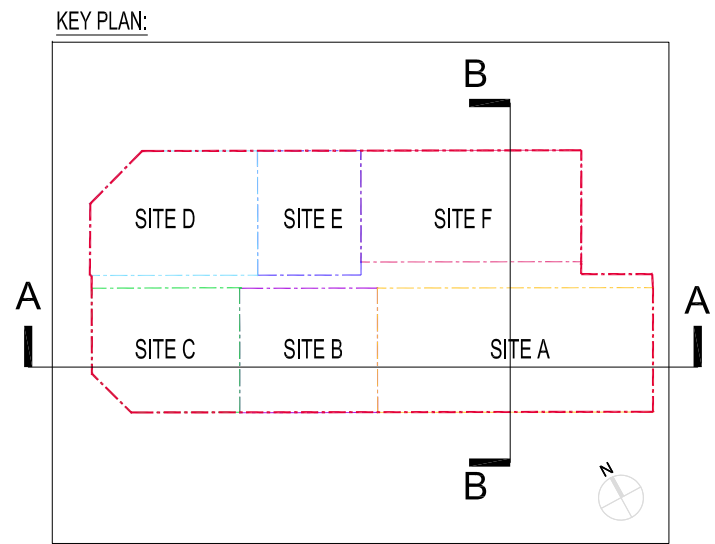
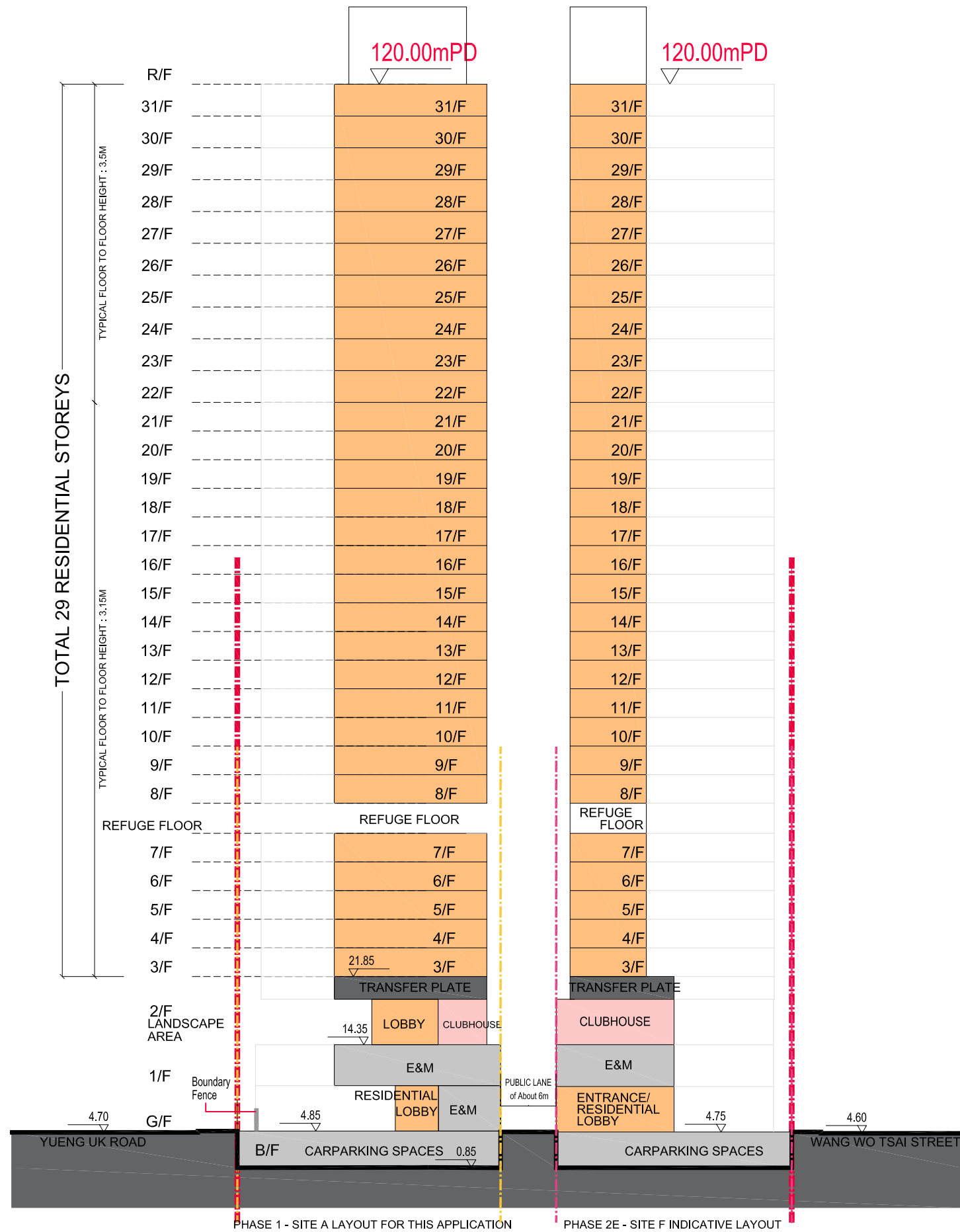
- Boundary of Application Site
 - Phase 1 (Site A)
 - Phase 2a (Site B)
 - Phase 2b (Site C)
 - Phase 2c (Site D)
 - Phase 2d (Site E)
 - Phase 2e (Site F)
-
- Residential
 - Landscape / Uncovered Area
 - EVA / Driveway Uncovered Walkway
 - Management Facility

Rev.	Date
SK01	NOV 2024
Scale	Figure
NA	01



- LEGEND:
- Boundary of Application Site
 - Phase 1 (Site A)
 - Phase 2a (Site B)
 - Phase 2b (Site C)
 - Residential
 - Clubhouse
 - Retail
 - Social Work Service Team for Pre-primary Institutions (SWSPPi)
 - Electrical & Mechanical (E&M)/ Circulation

Rev.	Date
SK01	NOV 2024
Scale	Figure
1:550@A3	02



- LEGEND:**
- Boundary of Application Site
 - Phase 1 (Site A)
 - Phase 2e (Site F)
-
- Residential
 - Clubhouse
 - Electrical & Mechanical (E&M)/ Circulation

PHASE 1 - SITE A LAYOUT FOR THIS APPLICATION

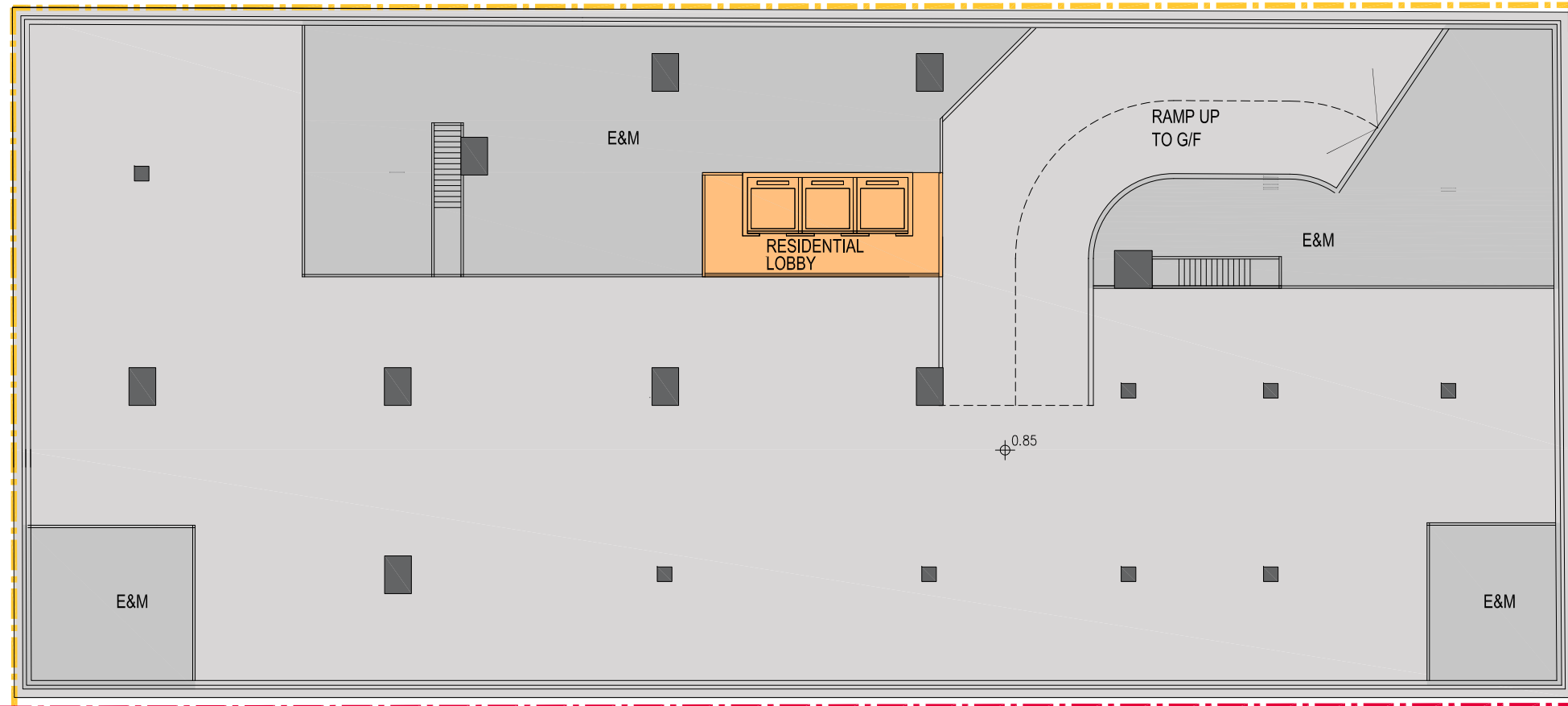
PHASE 2E - SITE F INDICATIVE LAYOUT

Rev.	Date
SK01	NOV 2024
Scale	Figure
1:550@A3	03

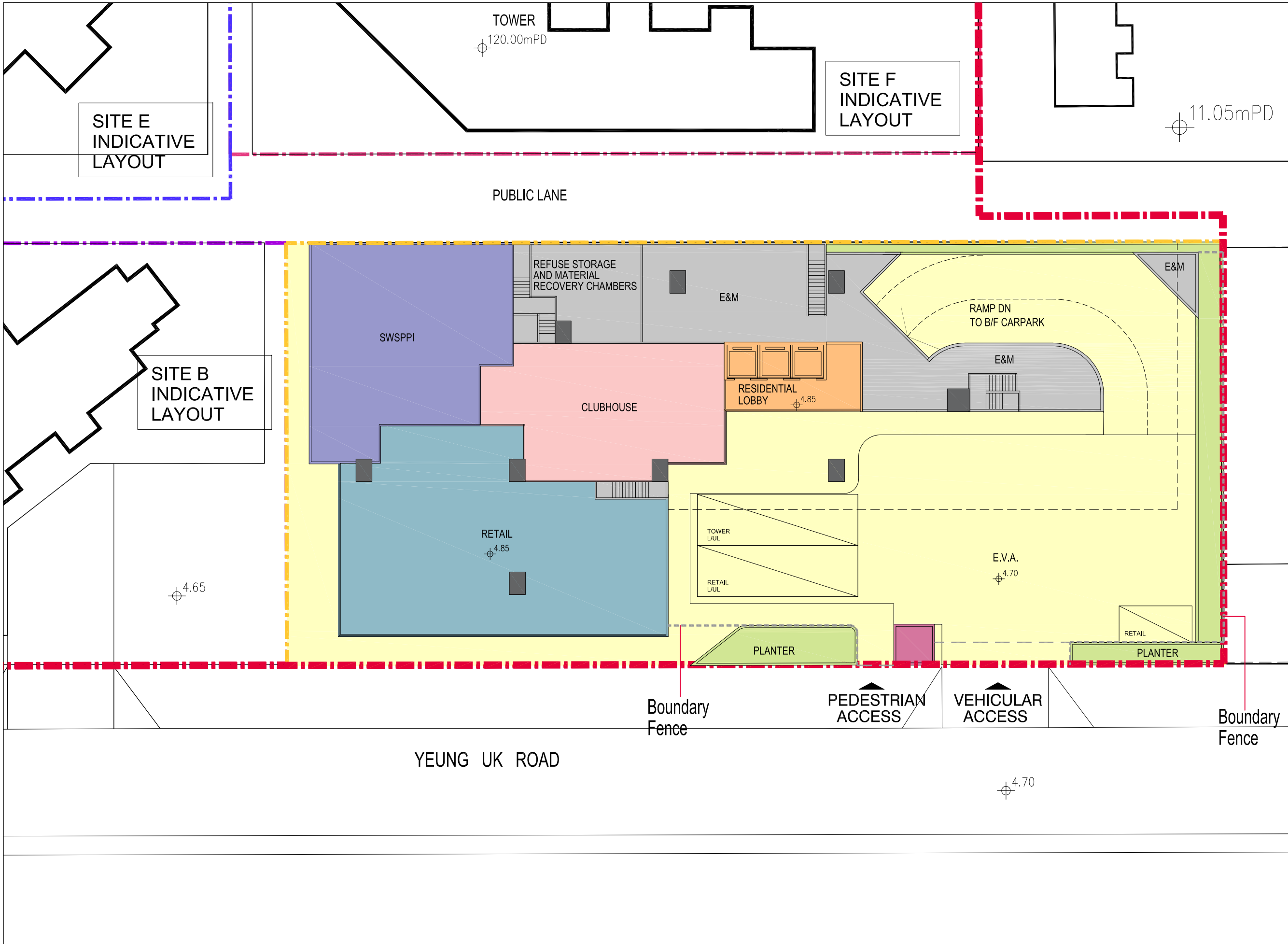
LEGEND:

- - - Boundary of Application Site
- - - Phase 1 (Site A)
- - - Phase 2a (Site B)
- - - Phase 2b (Site C)
- - - Phase 2c (Site D)
- - - Phase 2d (Site E)
- - - Phase 2e (Site F)

- Residential
- Electrical & Mechanical (E&M)/ Circulation



Rev.	Date
SK01	NOV 2024
Scale	Figure
1:250@A3	07

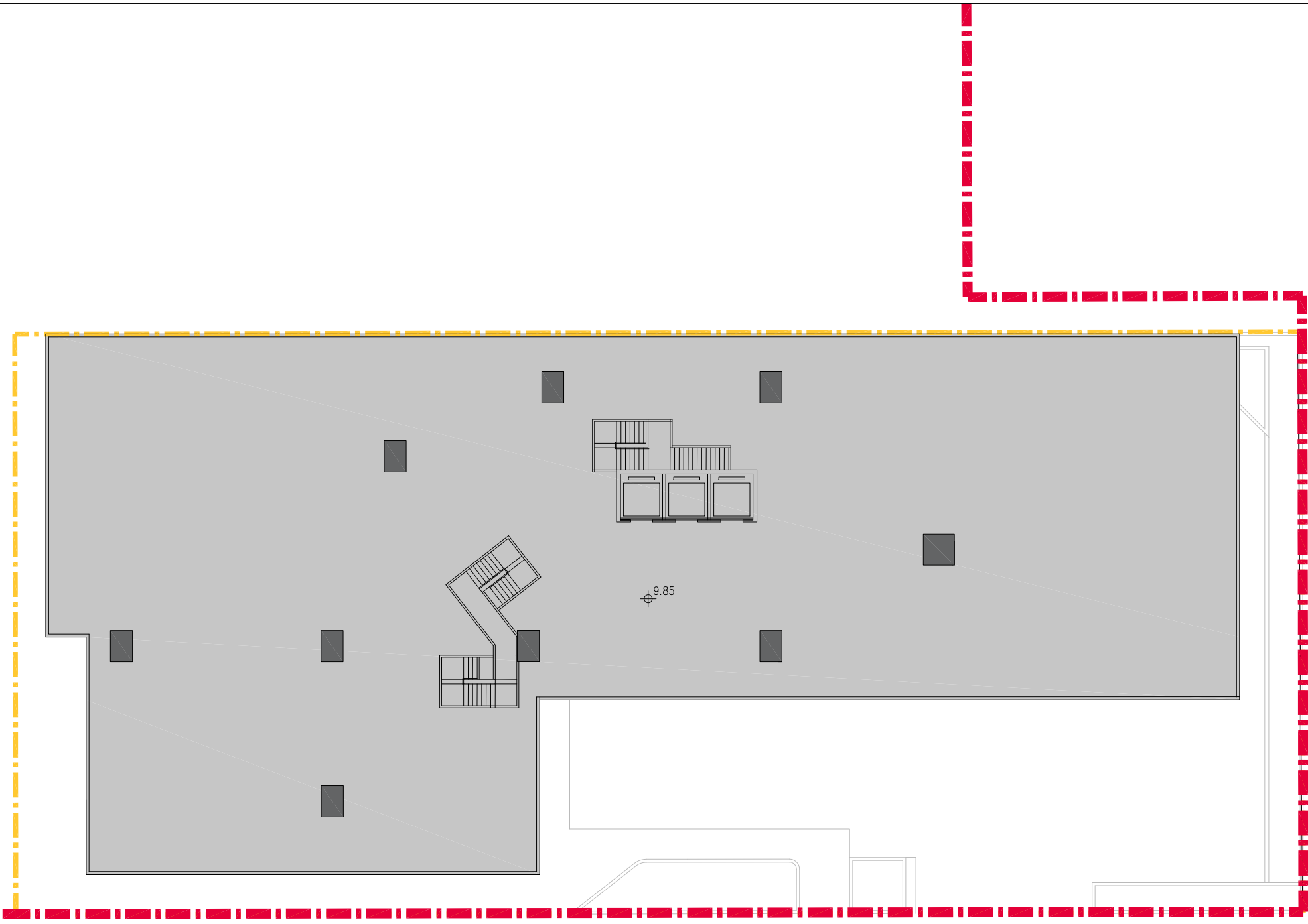


- LEGEND:**
- - - Boundary of Application Site
 - - - Phase 1 (Site A)
 - - - Phase 2a (Site B)
 - - - Phase 2b (Site C)
 - - - Phase 2c (Site D)
 - - - Phase 2d (Site E)
 - - - Phase 2e (Site F)
- Residential
 - Clubhouse
 - Retail
 - Social Work Service Team for Pre-primary Institutions (SWSPPI)
 - Electrical & Mechanical (E&M) Circulation
 - Landscape / Uncovered Area
 - EVA / Driveway Uncovered Walkway
 - Management Facility
 - Entrance gate

LEGEND:

- · - · Boundary of Application Site
- · - · Phase 1 (Site A)
- · - · Phase 2a (Site B)
- · - · Phase 2b (Site C)
- · - · Phase 2c (Site D)
- · - · Phase 2d (Site E)
- · - · Phase 2e (Site F)

- Electrical & Mechanical (E&M)/ Circulation



Rev.	Date
SK01	NOV 2024
Scale 1:250@A3	Figure 05

LEGEND:

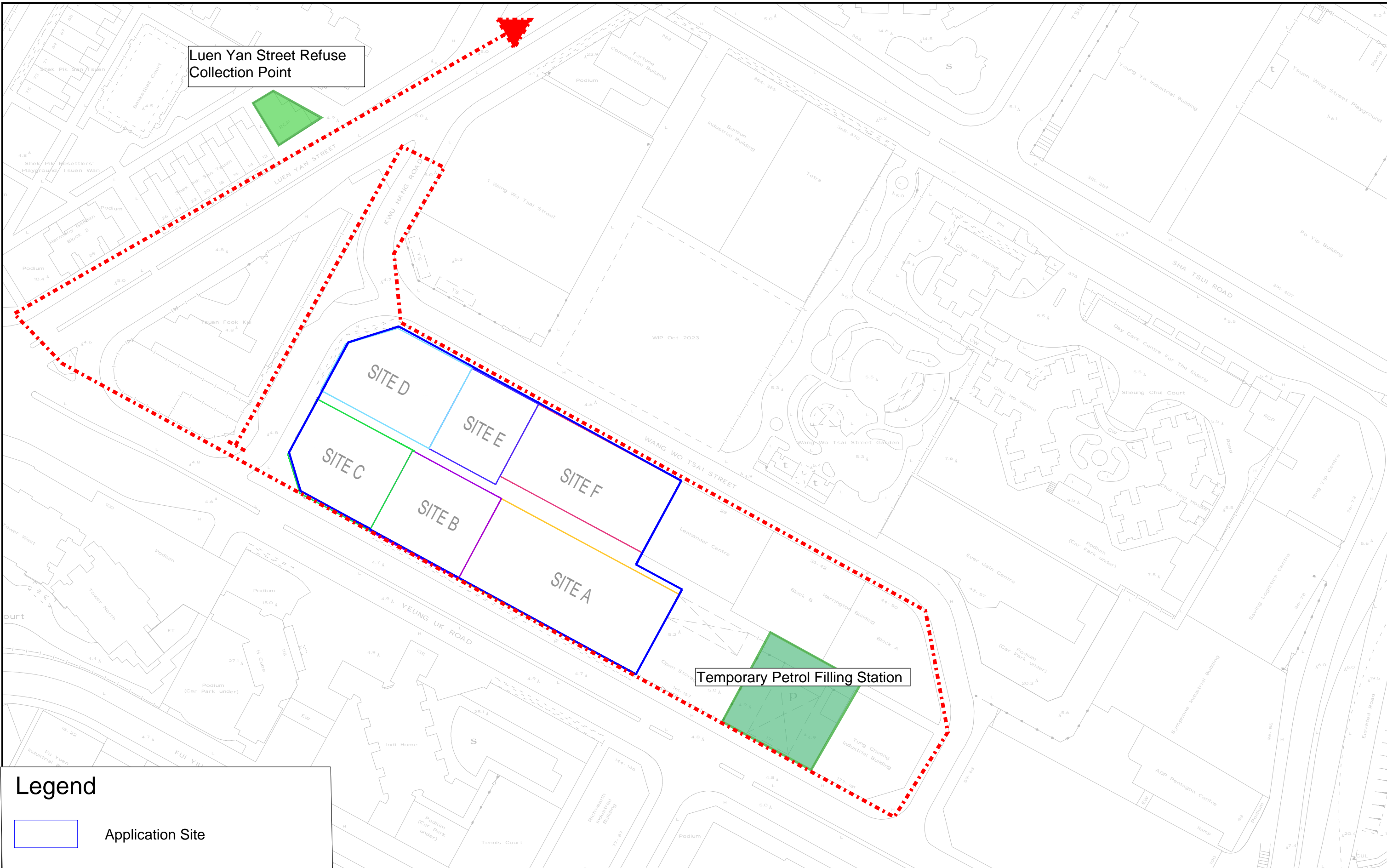
- · - · Boundary of Application Site
- · - · Phase 1 (Site A)
- · - · Phase 2a (Site B)
- · - · Phase 2b (Site C)
- · - · Phase 2c (Site D)
- · - · Phase 2d (Site E)
- · - · Phase 2e (Site F)

- Residential
- Clubhouse
- Electrical & Mechanical (E&M)/ Circulation
- Landscape / Uncovered Area



Rev.	Date
SK01	NOV 2024
Scale 1:250@A3	Figure 06

Appendix 2.1 The Location of the Potential Odour Sources and Inspection
Route



Legend

Application Site

Appendix: 2.1		Drawn by: KK
Title: Location of the Potential Odour Sources and Inspection Route		Checked by: TC
Project: Section 16 Planning Application for Proposed Comprehensive Residential Development with Commercial Uses and Social Welfare Facility and Minor Relaxation of Maximum Plot Ratio and Building Height Restrictions in “Comprehensive Development Area (5)” Zone at Yeung Uk Road / Kwu Hang Road / Wang Wo Tsai Street, Tsuen Wan		Rev.: 1.0
		Date: Aug 2024

Appendix 2.2 EPD Reply on the Odour Complaint

Kyle Kam

From: elaineyny@epd.gov.hk
Sent: Monday, December 16, 2024 3:16 PM
To: Kyle Kam
Cc: Tony Cheng; Wendy Tin
Subject: Re: Enquiry for the Odour or Air Complaints related to the Temporary Petrol Filling Station and

Follow Up Flag: Follow up
Flag Status: Flagged

Some people who received this message don't often get email from elaineyny@epd.gov.hk. [Learn why this is important](#)

Dear Mr. Kam,

This office has not received any air or odour related complaints about the Temporary Petrol Filling Station (PetroChina Tsuen Wan) and Luen Yan Street Refuse Collection Point in the past five years.

Thank you.

Regards,
Elaine YU
Tel: 2417 6087

From: Kyle Kam <KYLEKAM@ramboll.com>
To: "elaineyny@epd.gov.hk" <elaineyny@epd.gov.hk>
Cc: Tony Cheng <tcheng@ramboll.com>, Wendy Tin <WENDYTIN@ramboll.com>
Date: 10/12/2024 18:09
Subject: Enquiry for the Odour or Air Complaints related to the Temporary Petrol Filling Station and

Dear Elain,

Further to the tele-conservation, since we have received comments from EPD on the Wang Wo Tsai Street project, they requested us to check with the Regional Office whether there are odour or air complaints in the past five years. Therefore, we would be grateful if you could provide the odour or air

complaints about the Temporary Petrol Filling Station (PetroChina Tsuen Wan) and Luen Yan Street Refuse Collection Point next to the Application Site (see the attachment).

Thank you.

Kind regards,
Kyle Kam

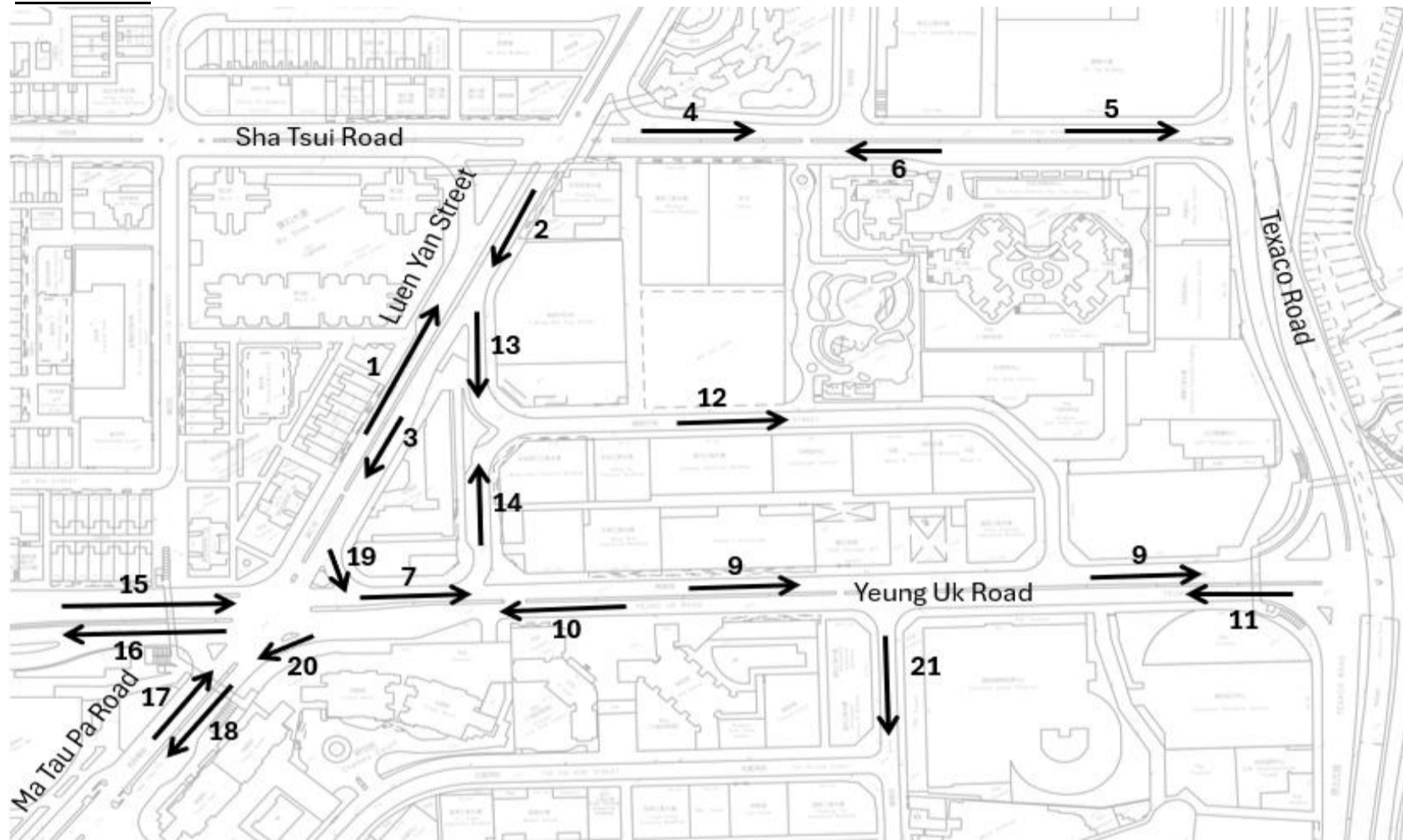
Assistant Environmental Consultant

Ramboll
21st Floor
BEA Harbour View Centre
56 Gloucester Road
Wan Chai
Hong Kong
D: 34652855
Ramboll Hong Kong Limited

Classification: Confidential[attachment "Location of the Application Site.pdf" deleted by Elaine YN YU/EPD/HKSARG]

Appendix 4.1 Traffic Forecast of Year 2045

Index Plan



Year 2045 Forecasted Traffic Data for EIA (with all CDA(3) developments completed)

Link No.	Road Section	Direction	Speed Limit	AM Peak	
				Traffic Flows (Veh/hr)	Heavy Vehicle %
1	Luen Yan St	NB	50	480	33%
2	Luen Yan St	SB	50	510	28%
3	Luen Yan St	SB	50	340	23%
4	Sha Tsui Rd	EB	50	500	27%
5	Sha Tsui Rd	EB	50	600	21%
6	Sha Tsui Rd	WB	50	610	29%
7	Yeung Uk Rd	EB	50	740	33%
8	Yeung Uk Rd	EB	50	540	45%
9	Yeung Uk Rd	EB	50	1000	28%
10	Yeung Uk Rd	WB	50	700	25%
11	Yeung Uk Rd	WB	50	1530	25%
12	Wang Wo Tsai St	EB	50	340	18%
13	Kwu Hang Rd	SB	50	190	19%
14	Kwu Hang Rd	NB	50	150	18%
15	Yeung Uk Rd	EB	50	1100	23%
16	Yeung Uk Rd	WB	50	680	29%
17	Ma Tau Pa Rd	NB	50	850	29%
18	Ma Tau Pa Rd	SB	50	890	22%
19	Luen Yan St	SB	50	130	20%
20	Yeung Uk Rd	WB	50	280	21%
21	Wang Lung St	SB	50	270	20%

Appendix 4.2 Road Traffic Noise Impact Assessment Result (Base Case)
(Interim and Ultimate Scenario)

Predicted Road Traffic Noise (L10, dB(A)) at Representative Noise Assessment Points (NAPs) (AM Peak)
Base Case (Site A)(Interim Scenario)

Floor	mPD	N1-01	N1-02	N1-03	N1-04	N1-05	N1-06	N1-07	N1-08	N1-09	N1-10	N1-11	N1-12	N1-13	N1-14	N1-15	N1-16	N1-17	N1-18	N1-19	N1-20	N1-21	N1-22	N1-23	N1-24	N1-25	N1-26	N1-27	N1-28	N1-29
3	21.8	68	67	45	66	76	75	76	75	75	75	75	75	74	75	75	76	76	75	74	73	71	--	--	--	--	--	--	--	--
4	25	68	67	45	66	75	75	75	75	75	75	75	75	75	75	75	76	75	74	73	72	--	--	--	--	--	--	--	--	--
5	28.2	68	67	45	66	75	75	75	75	75	75	75	75	75	75	75	75	74	73	73	72	--	--	--	--	--	--	--	--	--
6	31.3	68	67	45	66	75	74	75	75	75	75	74	74	74	74	75	75	74	73	72	72	62	45	45	44	44	44	44	44	44
7	34.4	68	67	44	65	75	74	75	74	74	74	74	74	74	74	74	74	75	74	73	72	71	62	45	44	44	44	44	44	44
R	37.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	40.7	68	67	44	65	74	74	74	74	74	74	74	73	73	73	74	74	74	73	72	71	71	61	45	45	45	44	44	44	44
9	43.9	68	66	44	65	74	73	74	74	74	74	73	73	73	73	73	74	74	73	72	71	70	61	45	45	45	45	45	45	44
10	47	67	66	44	65	74	73	73	73	73	73	73	73	73	73	73	73	73	72	72	71	70	61	46	46	46	45	45	44	45
11	50.2	67	66	44	64	73	73	73	73	73	73	73	73	73	73	73	73	73	72	71	71	70	61	47	47	47	46	46	44	46
12	53.3	67	66	43	64	73	73	73	73	73	73	73	72	72	72	73	73	73	72	71	70	70	61	49	48	48	48	47	45	47
13	56.5	67	66	43	64	73	72	73	73	73	72	72	72	72	72	72	72	73	72	71	70	70	61	51	50	50	49	49	45	48
14	59.6	67	65	43	64	73	72	73	72	72	72	72	72	72	72	72	72	72	71	71	70	69	61	53	53	52	52	51	46	50
15	62.8	67	65	43	64	72	72	72	72	72	72	72	72	72	72	72	72	72	71	71	70	69	62	56	55	55	54	54	48	52
16	65.9	66	65	43	64	72	72	72	72	72	72	72	72	72	72	72	72	72	71	71	70	69	62	58	58	57	57	56	49	55
17	69.1	66	65	43	64	72	72	72	72	72	72	72	71	71	71	72	72	72	71	71	70	69	63	60	59	59	59	58	51	57
18	72.2	66	65	43	64	72	71	72	72	72	72	71	71	71	71	71	71	72	71	71	70	69	63	61	60	60	60	59	53	58
19	75.4	66	65	42	63	72	71	72	72	71	71	71	71	71	71	71	71	71	71	71	70	69	64	61	61	61	60	60	54	59
20	78.6	66	65	42	63	72	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	69	64	61	61	61	61	60	55	60
21	81.7	66	65	42	64	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	69	64	62	61	61	61	61	56	60
22	85.2	66	65	42	64	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	69	64	62	62	61	61	61	56	60
23	88.7	66	65	42	64	71	71	71	71	71	71	71	70	70	70	71	71	71	71	70	70	69	64	63	62	62	61	61	56	60
24	92.2	66	65	42	64	71	70	71	71	71	71	71	70	70	70	70	70	70	70	70	70	69	65	63	62	62	61	61	56	61
25	95.7	66	65	42	64	71	70	71	71	70	70	70	70	70	70	70	70	70	70	70	70	69	65	63	62	62	62	61	56	61
26	99.2	66	64	42	64	71	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	65	63	63	62	62	61	56	61
27	102.7	66	64	42	64	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	69	65	64	63	63	62	62	57	61
28	106.2	65	64	41	63	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	69	65	64	63	63	62	62	57	61
29	109.7	65	64	42	63	70	70	70	70	70	70	70	70	69	69	70	70	70	70	70	69	69	66	64	63	63	63	62	57	61
30	113.2	65	64	43	63	70	70	70	70	70	70	70	69	69	69	70	70	70	70	70	69	69	66	64	64	63	63	62	57	61
Max		0	0	0	0	24	21	23	23	22	22	21	20	20	20	21	21	21	21	17	9	6	0	0	0	0	0	0	0	0
Exceedance		68	67	45	66	76	75	76	75	75	75	75	75	75	75	75	76	76	75	74	73	72	66	64	63	63	63	62	57	61
Exceedance		0	0	0	0	24	23	23	22	22	21	20	20	20	21	21	21	21	17	9	6	0	0	0	0	0	0	0	0	0

Floor	mPD	S1-01	S1-02	S1-03	S1-04	S1-05	S1-06	S1-07	S1-08	S1-09	S1-10	S1-11	S1-12	S1-13	S1-14	S1-15	S1-16	S1-17	S1-18	S1-19
31	116.7	61	62	69	66	70	69	69	61	70	69	69	66	64	64	63	63	62	57	61
Max		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exceedance		61	62	69	66	70	69	69	61	70	69	69	66	64	64	63	63	62	57	61
Exceedance		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

No. of Units:	277
No. of Units with Exceedance:	128
Compliance Level:	54%
Max. Noise Level:	76

Noted:
 Noise level exceed standard of 70 dB(A)
-- Non-applicable

Predicted Road Traffic Noise (L10, dB(A)) at Representative Noise Assessment Points (NAPs) (AM Peak)
Base Case (Site A) (Ulterim Scenario)

Floor	mPD	N1-01	N1-02	N1-03	N1-04	N1-05	N1-06	N1-07	N1-08	N1-09	N1-10	N1-11	N1-12	N1-13	N1-14	N1-15	N1-16	N1-17	N1-18	N1-19	N1-20	N1-21	N1-22	N1-23	N1-24	N1-25	N1-26	N1-27	N1-28	N1-29	
3	21.8	62	59	45	56	76	75	76	75	75	75	75	75	75	75	75	76	76	76	75	75	74	--	--	--	--	--	--	--	--	
4	25	65	62	45	58	76	75	75	75	75	75	75	75	75	75	75	76	75	75	75	75	74	--	--	--	--	--	--	--	--	
5	28.2	66	64	45	60	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	74	74	--	--	--	--	--	--	--	--	
6	31.3	66	64	45	60	75	74	75	75	75	75	74	74	74	74	75	75	75	75	74	74	74	70	67	66	66	65	64	55	59	
7	34.4	66	64	45	60	75	74	75	75	74	74	74	74	74	74	74	75	74	74	74	74	73	69	67	66	66	65	64	55	59	
R	37.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
8	40.7	66	64	44	60	74	74	74	74	74	74	74	73	73	74	74	74	74	73	73	73	73	69	67	66	66	65	65	64	55	60
9	43.9	66	64	44	60	74	73	74	74	74	73	73	73	73	73	73	74	74	73	73	73	73	69	67	66	65	65	64	55	60	
10	47	65	63	44	60	74	73	74	73	73	73	73	73	73	73	73	73	73	73	73	73	72	69	66	66	65	65	64	55	60	
11	50.2	65	63	44	60	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	72	72	68	66	65	65	65	64	55	60	
12	53.3	65	63	43	60	73	73	73	73	73	73	73	73	72	72	73	73	73	73	72	72	72	68	66	65	65	65	64	55	60	
13	56.5	65	63	43	60	73	72	73	73	73	73	72	72	72	72	72	72	73	72	72	72	72	68	66	65	65	64	64	55	60	
14	59.6	65	63	43	60	73	72	73	73	72	72	72	72	72	72	72	72	72	72	72	72	72	68	66	65	65	64	64	55	60	
15	62.8	65	63	43	60	73	72	72	72	72	72	72	72	72	72	72	72	72	72	72	71	71	71	68	65	65	65	64	64	55	60
16	65.9	65	63	43	60	72	72	72	72	72	72	72	72	72	72	72	72	72	71	71	71	71	68	65	65	64	64	63	55	60	
17	69.1	65	63	43	60	72	72	72	72	72	72	71	71	71	71	72	72	72	72	71	71	71	67	65	65	64	64	63	55	60	
18	72.2	64	63	43	60	72	71	72	72	72	72	71	71	71	71	71	71	72	71	71	71	71	67	65	64	64	64	63	55	60	
19	75.4	64	63	42	60	72	71	72	72	72	71	71	71	71	71	71	71	71	71	71	71	71	67	65	64	64	64	63	55	60	
20	78.6	64	62	42	60	72	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	67	65	64	64	63	63	55	60	
21	81.7	64	62	42	60	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	67	65	64	64	63	63	54	59	
22	85.2	64	62	42	60	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	70	67	64	64	64	63	63	54	59	
23	88.7	64	62	42	60	71	71	71	71	71	71	71	70	70	70	71	71	71	70	70	70	70	67	64	64	63	63	63	54	59	
24	92.2	64	62	42	60	71	70	71	71	71	71	70	70	70	70	70	70	70	70	70	70	70	66	64	64	63	63	62	54	59	
25	95.7	64	62	42	59	71	70	71	71	71	70	70	70	70	70	70	70	70	70	70	70	70	66	64	63	63	63	62	54	59	
26	99.2	64	62	42	59	71	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	66	64	63	63	63	62	54	59	
27	102.7	63	62	41	59	71	70	70	70	70	70	70	70	70	70	70	70	70	70	69	69	69	66	64	63	63	63	62	54	59	
28	106.2	63	62	41	59	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	69	69	66	64	63	63	62	62	54	59	
29	109.7	63	61	41	59	70	70	70	70	70	70	70	70	69	70	70	70	70	69	69	69	69	66	63	63	63	62	62	54	59	
30	113.2	63	61	43	59	70	70	70	70	70	70	70	69	69	69	69	70	70	69	69	69	69	66	63	63	63	62	62	54	59	
Max		0	0	0	0	25	21	23	23	23	22	21	20	20	20	21	21	21	21	19	18	17	0	0	0	0	0	0	0	0	
Exceedance		66	64	45	60	76	75	76	75	75	75	75	75	75	75	75	76	76	76	75	75	74	70	67	66	66	65	64	55	60	
		0			25			23			22			21			21			19			0			0			0		

Floor	mPD	S1-01	S1-02	S1-03	S1-04	S1-05	S1-06	S1-07	S1-08	S1-09	S1-10	S1-11	S1-12	S1-13	S1-14	S1-15	S1-16	S1-17	S1-18	S1-19
31	116.7	60	62	69	66	70	69	69	61	69	69	69	65	63	63	62	62	61	54	58
Max		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exceedance		0			0			0			0			0			0			

No. of Units:	277
No. of Units with Exceedance:	131
Compliance Level:	53%
Max. Noise Level:	76

Noted:
 Noise level exceed standard of 70 dB(A)
-- Non-applicable

Predicted Road Traffic Noise (L10, dB(A)) at Representative Noise Assessment Points (NAPs) (AM Peak)
 Base case (Site B- F) (Ultimate)

Floor	mPD	Site B												Site C											
		N2-01	N2-02	N2-03	N2-04	N2-05	N2-06	N2-07	N2-08	N2-09	N2-10	N2-11	N2-12	N3-01	N3-02	N3-03	N3-04	N3-05	N3-06	N3-07	N3-08	N3-09	N3-10	N3-11	N3-12
3	18.5	68	70	71	72	72	72	72	73	73	73	74	75	76	76	76	76	75	74	73	73	73	73	72	72
4	22	70	70	71	72	72	73	73	74	74	75	75	76	76	76	76	76	75	74	74	74	73	73	73	73
5	25.5	70	70	71	72	73	73	74	74	75	75	75	76	76	76	76	75	74	74	74	74	73	73	73	73
6	29	70	71	71	72	73	73	74	74	75	75	75	75	76	76	76	75	74	74	74	73	73	73	73	73
7	32.5	70	71	72	72	73	73	73	74	74	74	75	75	75	75	75	74	74	73	73	73	73	73	73	73
8	36	70	71	71	72	73	73	73	74	74	74	74	75	75	75	74	74	73	73	73	73	73	73	73	73
9	39.5	70	71	71	72	72	73	73	73	74	74	74	74	75	75	75	74	73	73	73	73	73	73	73	73
10	43	70	71	71	72	72	72	73	73	73	73	74	74	74	74	74	73	73	73	73	73	73	73	72	72
11	46.5	70	70	71	72	72	72	72	73	73	73	73	74	74	74	74	73	73	73	73	73	72	72	72	72
12	50	70	70	71	71	72	72	72	72	73	73	73	73	74	74	74	73	73	73	72	72	72	72	72	72
13	53.5	70	70	70	71	71	72	72	72	72	72	73	73	73	73	73	73	72	72	72	72	72	72	72	72
14	57	69	70	70	71	71	71	72	72	72	72	73	73	73	73	73	72	72	72	72	72	72	72	72	72
15	60.5	69	70	70	71	71	71	71	72	72	72	72	73	73	73	73	72	72	72	72	72	72	72	72	72
16	64	69	69	70	70	71	71	71	71	72	72	72	72	73	73	73	73	72	72	72	72	72	72	71	71
17	67.5	69	69	70	70	71	71	71	71	72	72	72	72	72	72	72	72	72	72	71	71	71	71	71	71
18	71	69	69	69	70	70	70	71	71	71	71	72	72	72	72	72	72	72	71	71	71	71	71	71	71
19	74.5	69	69	69	70	70	70	70	71	71	71	72	72	72	72	72	71	71	71	71	71	71	71	71	71
20	78	68	69	69	70	70	70	70	71	71	71	71	72	72	72	72	72	71	71	71	71	71	71	71	71
21	81.5	68	68	69	70	70	70	70	71	71	71	71	71	72	72	72	72	71	71	71	71	71	71	71	71
22	85	68	68	69	69	70	70	70	70	71	71	71	71	72	72	72	72	71	71	71	71	71	71	71	71
23	88.5	68	68	69	69	69	70	70	70	70	70	71	71	71	71	71	71	71	71	71	71	71	70	70	70
24	92	68	68	68	69	69	69	70	70	70	70	71	71	71	71	71	71	71	70	70	70	70	70	70	70
25	95.5	68	68	68	69	69	69	69	70	70	70	71	71	71	71	71	71	70	70	70	70	70	70	70	70
26	99	67	68	68	69	69	69	69	70	70	70	70	71	71	71	71	71	70	70	70	70	70	70	70	70
27	102.5	67	68	68	69	69	69	69	70	70	70	70	71	71	71	71	71	70	70	70	70	70	70	70	70
28	106	67	67	68	68	69	69	69	69	70	70	70	70	71	71	71	71	70	70	70	70	70	70	70	70
29	109.5	67	67	68	68	69	69	69	69	70	70	70	70	70	70	70	71	70	70	70	70	70	70	70	70
30	113	67	67	68	68	68	69	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70
31	116.5	67	67	68	68	68	68	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	69	69	69
		0	5	10	13	15	15	16	19	20	20	23	25	26	26	26	27	23	22	21	21	21	20	20	20
Max		70	71	72	72	73	73	74	74	75	75	76	76	76	76	76	76	75	74	74	74	73	73	73	73
Exceedance		10			15			20			25			26			27			21			20		

Predicted Road Traffic Noise (L10, dB(A)) at Representative Noise Assessment Points (NAPs) (AM Peak)
 Base case (Site B- F) (Ultimate)

Floor	mPD	Site D														Site E													
		N4-01	N4-02	N4-03	N4-04	N4-05	N4-06	N4-07	N4-08	N4-09	N4-10	N4-11	N4-12	N4-13	N4-14	N5-01	N5-02	N5-03	N5-04	N5-05	N5-06	N5-07	N5-08						
3	18.5	72	72	72	72	72	72	72	72	73	68	66	64	53	55	70	67	66	67	66	65	64	61						
4	22	72	72	72	72	72	72	73	73	73	69	66	64	55	59	70	67	67	68	66	66	64	63						
5	25.5	73	72	72	72	72	73	73	73	73	69	66	65	56	60	69	67	67	68	66	66	64	63						
6	29	73	73	73	72	73	73	73	73	73	68	66	65	58	61	69	66	66	67	66	66	64	64						
7	32.5	73	73	72	72	72	72	72	73	73	68	66	64	60	62	68	66	66	67	66	66	65	64						
8	36	72	72	72	72	72	72	72	72	73	68	65	64	61	63	68	65	66	67	66	66	65	64						
9	39.5	72	72	72	72	72	72	72	72	72	67	65	64	62	63	68	65	65	66	65	66	65	64						
10	43	72	72	72	72	72	72	72	72	72	67	65	64	62	64	68	65	65	66	65	66	65	64						
11	46.5	72	72	72	72	72	72	72	72	72	67	65	64	63	64	67	64	65	66	65	66	64	64						
12	50	72	72	72	72	72	72	72	72	72	67	65	64	63	64	67	64	64	66	65	65	64	64						
13	53.5	72	72	72	72	72	72	72	72	72	67	65	64	63	64	67	64	64	65	64	65	64	64						
14	57	72	72	72	72	72	72	72	72	72	67	65	63	64	64	67	64	64	65	64	65	64	64						
15	60.5	72	71	71	71	71	71	71	71	72	67	64	63	63	64	67	63	64	65	64	65	64	64						
16	64	71	71	71	71	71	71	71	71	71	66	64	63	63	64	66	63	64	65	64	65	64	64						
17	67.5	71	71	71	71	71	71	71	71	71	66	64	63	63	64	66	63	63	65	64	65	64	64						
18	71	71	71	71	71	71	71	71	71	71	66	64	63	63	64	66	63	63	65	64	65	64	64						
19	74.5	71	71	71	71	71	71	71	71	71	66	64	63	63	64	66	62	63	64	63	65	64	64						
20	78	71	71	71	71	71	71	71	71	71	66	64	63	63	64	66	62	63	64	63	64	63	63						
21	81.5	71	71	71	71	71	71	71	71	71	66	64	63	63	64	66	62	63	64	63	64	63	63						
22	85	70	70	70	70	70	70	70	70	71	66	64	63	63	64	65	62	62	64	63	64	63	63						
23	88.5	70	70	70	70	70	70	70	70	70	66	64	63	63	63	65	62	62	64	63	64	63	63						
24	92	70	70	70	70	70	70	70	70	70	66	64	62	63	63	65	62	62	64	63	64	63	63						
25	95.5	70	70	70	70	70	70	70	70	70	65	63	62	62	63	65	61	62	63	63	64	63	63						
26	99	70	70	70	70	70	70	70	70	70	65	63	62	62	63	65	61	62	63	62	64	63	63						
27	102.5	70	70	70	70	70	70	70	70	70	65	63	62	62	63	65	61	62	63	62	64	63	63						
28	106	70	70	70	70	70	70	70	70	70	65	63	62	62	63	65	61	62	63	62	63	62	62						
29	109.5	70	70	70	70	70	70	70	70	70	65	63	62	62	63	64	61	61	63	62	63	62	62						
30	113	69	69	69	69	69	69	69	69	70	65	63	62	62	62	64	61	61	63	62	63	62	62						
31	116.5	69	69	69	69	69	69	69	69	69	65	63	62	62	62	64	61	61	63	62	63	62	62						
		19	19	19	19	19	19	19	19	20	0	0	0	0	0	0	0	0	0	0	0	0	0						
Max		73	73	73	72	73	73	73	73	73	69	66	65	64	64	70	67	67	68	66	66	65	64						
Exceedance		19				19				20				0				0				0				0			

Predicted Road Traffic Noise (L10, dB(A)) at Representative Noise Assessment Points (NAPs) (AM Peak)
 Base case (Site B- F) (Ultimate)

		Site F														
Floor	mPD	N6-01	N6-02	N6-03	N6-04	N6-05	N6-06	N6-07	N6-08	N6-09	N6-10	N6-11	N6-12	N6-13	N6-14	N6-15
3	18.5	70	66	65	65	64	65	65	65	65	66	66	66	66	66	66
4	22	70	67	67	67	65	65	65	65	65	66	66	66	66	66	66
5	25.5	69	67	67	67	66	66	65	65	65	66	66	66	66	65	66
6	29	69	66	67	67	66	66	65	65	65	66	66	66	66	65	66
7	32.5	68	66	66	67	66	66	65	65	65	66	66	66	66	65	66
8	36	68	66	66	66	65	66	65	65	65	66	65	65	66	65	66
9	39.5	67	65	66	66	65	65	65	65	65	65	65	65	65	65	66
10	43	67	65	65	66	65	65	65	65	65	65	65	65	65	65	65
11	46.5	67	65	65	65	65	65	64	64	64	65	65	65	65	65	65
12	50	67	64	65	65	64	64	64	64	64	65	65	64	65	64	65
13	53.5	66	64	64	65	64	64	64	64	64	64	64	64	64	64	65
14	57	66	64	64	65	64	64	64	64	64	64	64	64	64	64	64
15	60.5	66	64	64	64	64	64	63	63	64	64	64	64	64	64	64
16	64	66	63	64	64	63	63	63	63	63	64	64	64	64	63	64
17	67.5	65	63	63	64	63	63	63	63	63	63	63	63	64	63	64
18	71	65	63	63	64	63	63	63	63	63	63	63	63	63	63	64
19	74.5	65	63	63	63	63	63	63	63	63	63	63	63	63	63	64
20	78	65	62	63	63	62	63	62	62	62	63	63	63	63	63	63
21	81.5	65	62	63	63	62	62	62	62	62	63	63	63	63	63	63
22	85	65	62	62	63	62	62	62	62	62	63	63	63	63	62	63
23	88.5	64	62	62	63	62	62	62	62	62	62	62	62	63	62	63
24	92	64	62	62	63	62	62	62	62	62	62	62	62	62	62	63
25	95.5	64	62	62	62	62	62	62	62	62	62	62	62	62	62	63
26	99	64	61	62	62	61	62	61	61	61	62	62	62	62	62	63
27	102.5	64	61	62	62	61	61	61	61	61	62	62	62	62	62	62
28	106	64	61	61	62	61	61	61	61	61	62	62	62	62	62	62
29	109.5	64	61	61	62	61	61	61	61	61	62	62	62	62	62	62
30	113	63	61	61	62	61	61	61	61	61	61	61	61	62	61	62
31	116.5	63	61	61	61	61	61	61	61	61	61	61	61	62	61	62
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max		70	67	67	67	66	66	65	65	66	66	66	66	66	66	66
Exceedance		0			0			0			0			0		

Site B No. of Units:	116
No. of Units with Exceedance:	70
Compliance Level:	40%
Max. Noise Level:	76

Site C No. of Units:	116
No. of Units with Exceedance:	94
Compliance Level:	19%
Max. Noise Level:	76

Site D No. of Units:	145
No. of Units with Exceedance:	58
Compliance Level:	60%
Max. Noise Level:	73

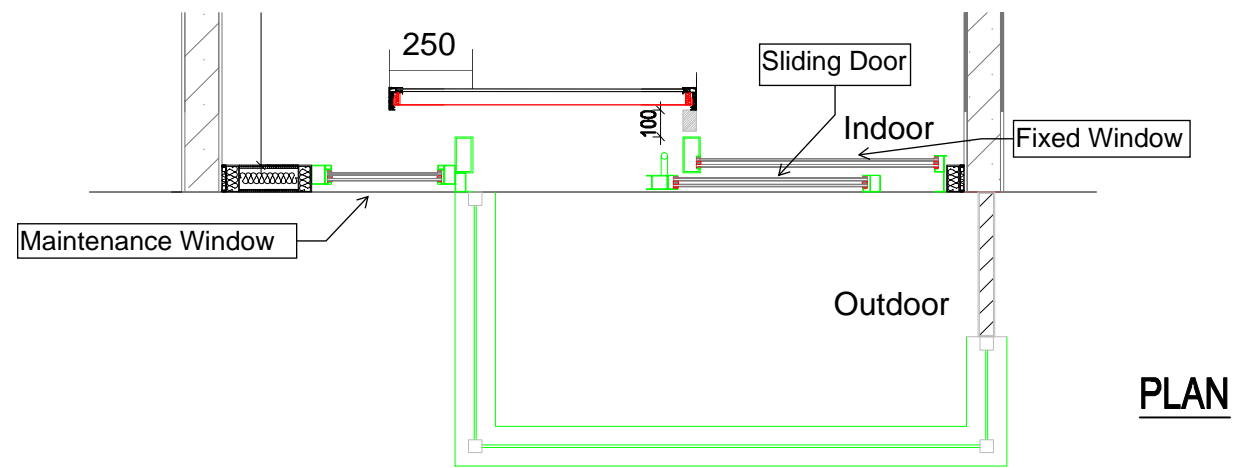
Site E No. of Units:	87
No. of Units with Exceedance:	0
Compliance Level:	100%
Max. Noise Level:	70

Site F No. of Units:	145
No. of Units with Exceedance:	0
Compliance Level:	100%
Max. Noise Level:	70

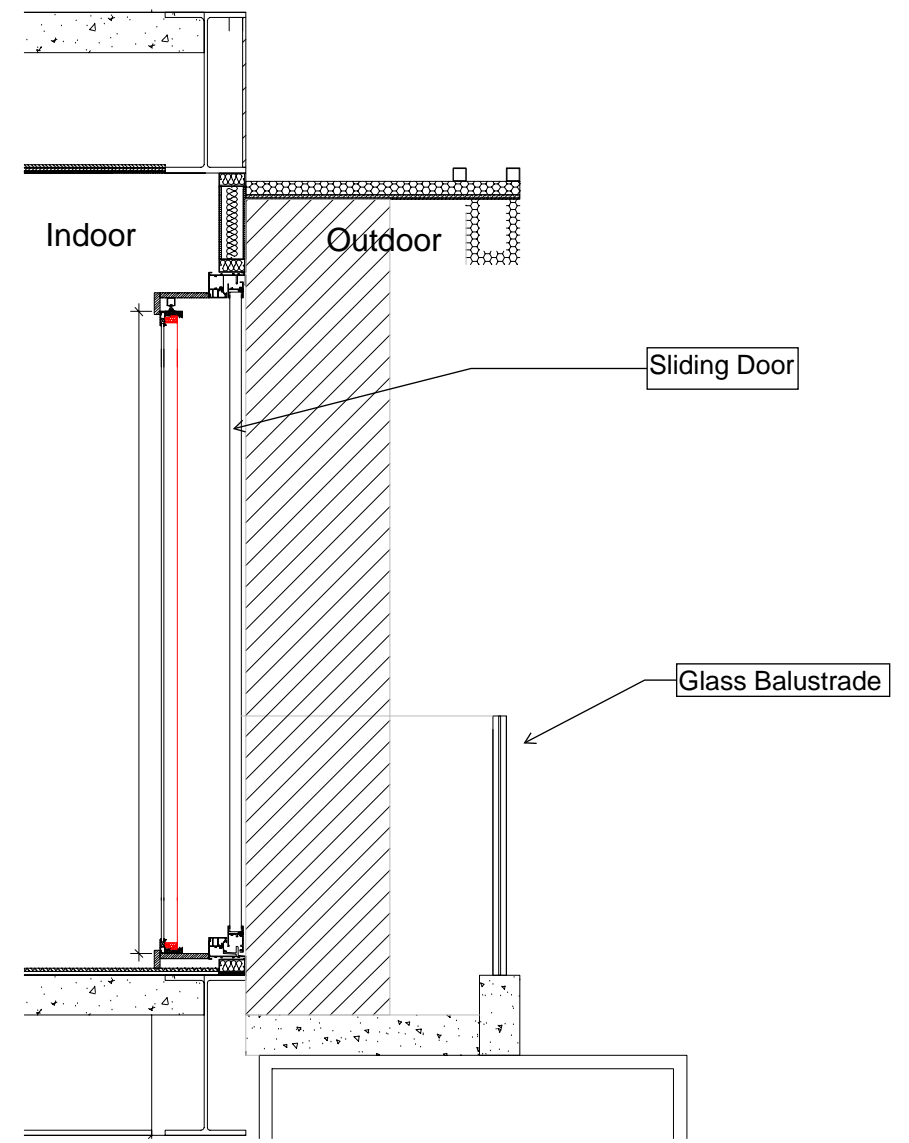
Noted:
 Noise level exceed standard of 70 dB(A)
-- Non-applicable

Appendix 4.3 Indicative Design of AW(BT) & EAB(BT) Adopted in the
Proposed Development

AB(BT)-TP225

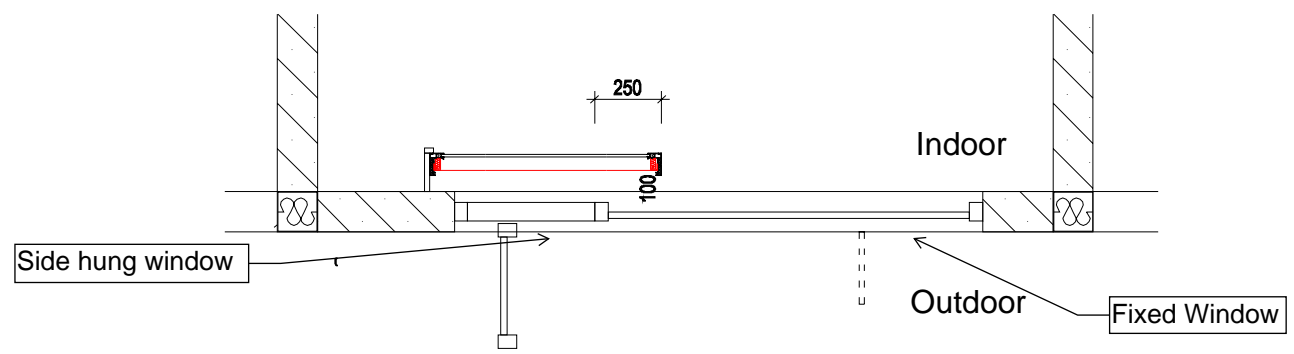


PLAN

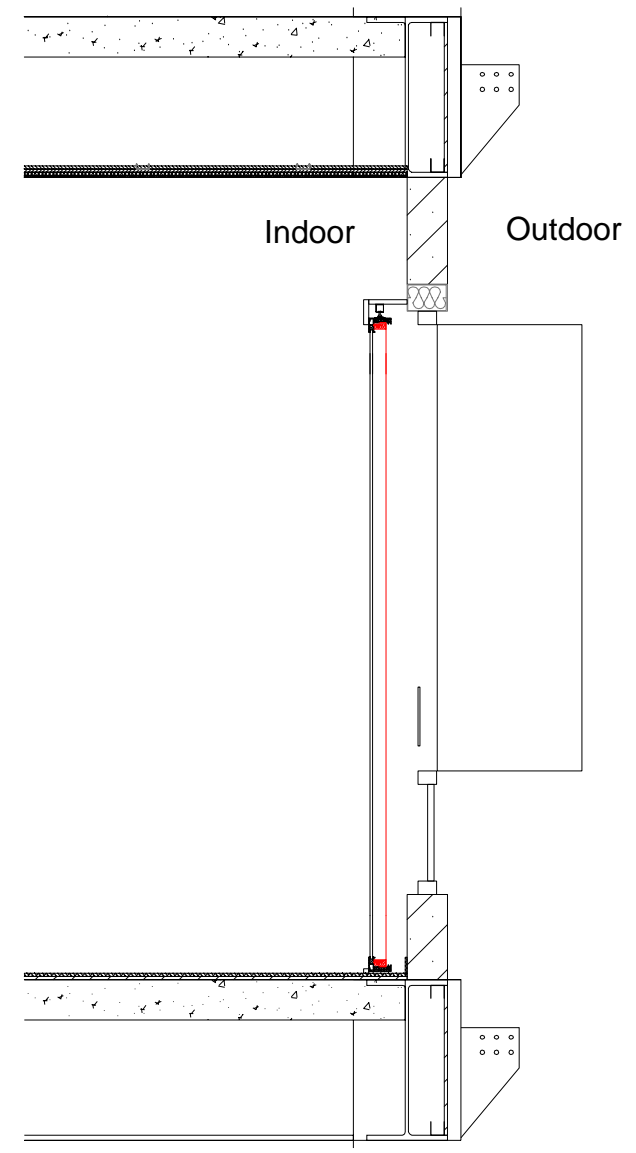


SECTION

AW(BT)-TP225

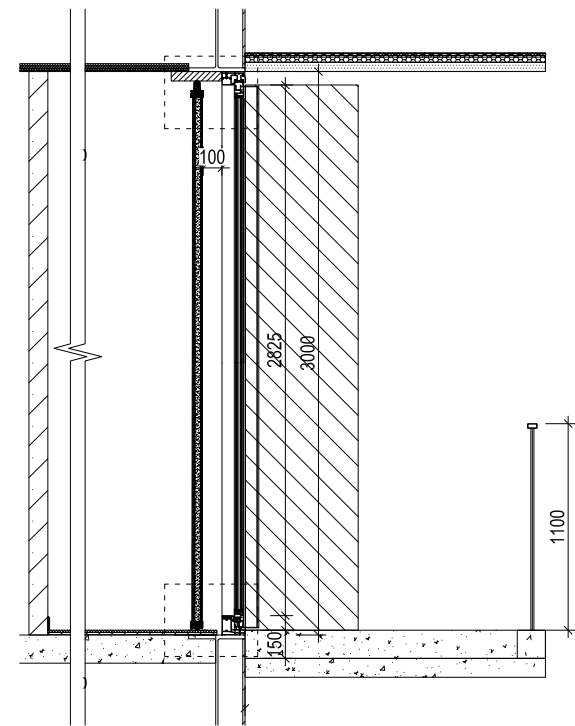
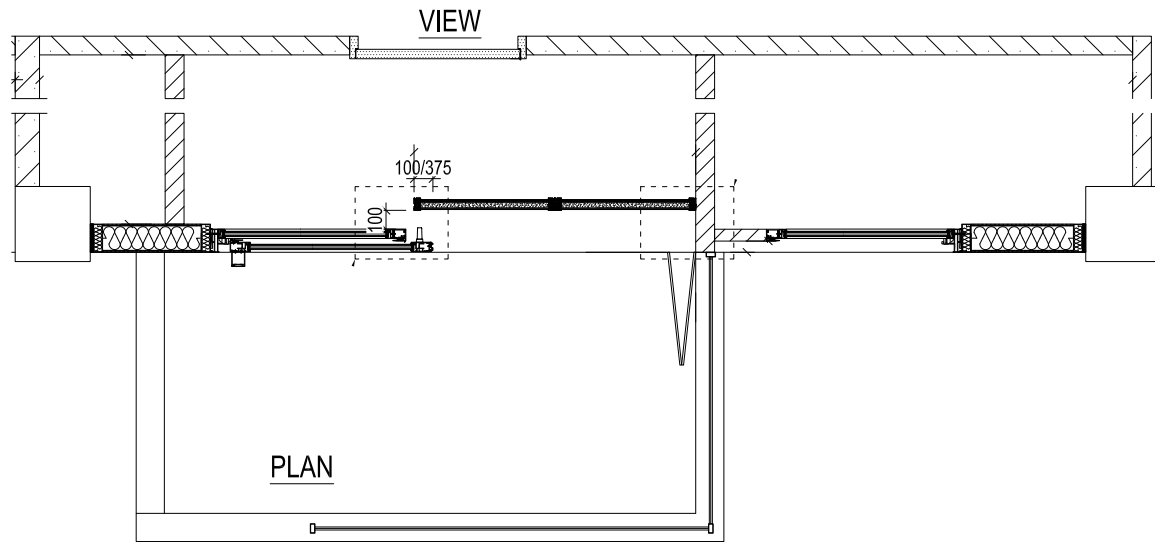


PLAN



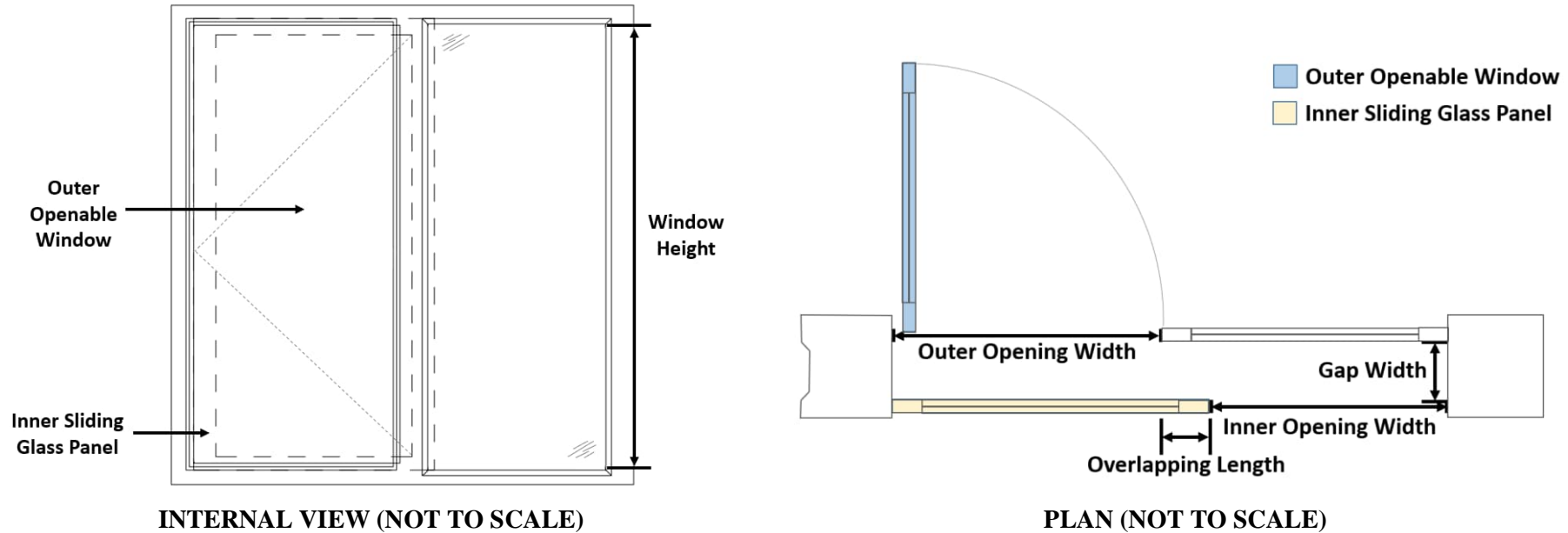
SECTION

AB(BT)-KT6568



SECTION

(I) Possible design of “Acoustic Window (Baffle Type)” for 8m² and 18m² habitable rooms (i.e. dining room, living room or bedroom)

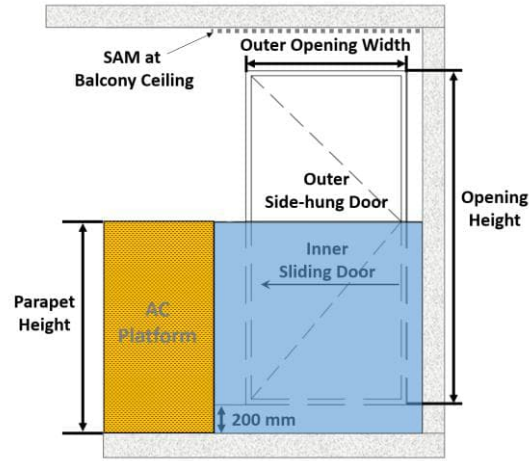


Possible Designs of “Acoustic Window (Baffle Type)” for 8m ² and 18m ² rooms					
Room Size (m ²)	Room Dimensions (mm ³)	Inner Window Opening (mm ²)	Outer Window Opening (mm ²)	Overlapping Length (mm)	Gap Width (mm)
8	3200 (W) x 2500 (D) x 3400 (H)	580 (W) x 870 (H)	600 (W) x 870 (H)	≥ 100	100 to 175
18	5300 (W) x 3390 (D) x 3400 (H)	750 (W) x 1500 (H)	750 (W) x 1500 (H)	≥ 100	100 to 175

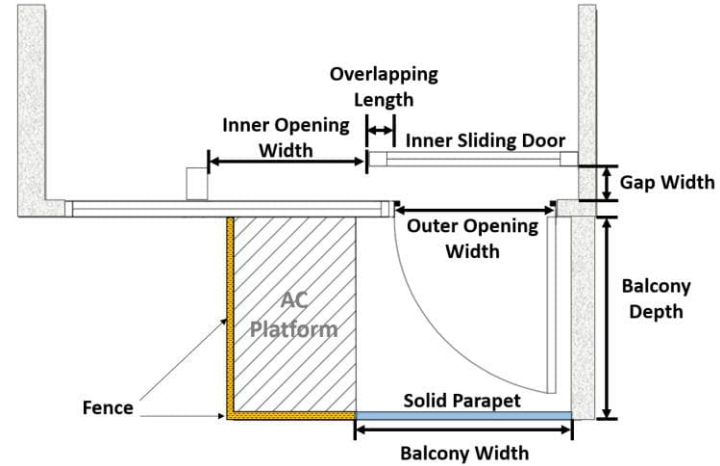
Notes:

- These are feasible designs of AW(BT) for 8m² and 18m² rooms.
- For optimum performance of noise reduction, the air gap should have a pane-to-pane overlapping length of ≥ 100mm and a gap width between 100mm and 175mm, with the inner sliding glass panel in a closed position. The window pane shall be ≥ 6mm in thickness.


(II) Possible designs of “Enhanced Acoustic Balcony (Baffle Type)” in 14m² and 18m² habitable rooms (i.e. dining room, living room or bedroom)



EXTERNAL VIEW (NOT TO SCALE)



PLAN (NOT TO SCALE)

 Fence (≥ 70% Permeability)

 Solid Parapet

Possible Designs of “Enhanced Acoustic Balcony (Baffle Type)” for 14m² and 18m² rooms

Room size (m ²)	Room Dimensions (mm ³)	Balcony Width (mm)	Balcony Depth (mm)	Parapet Height (mm)	Inner Opening (mm ²)	Outer Opening (mm ²)	Overlapping Length (mm)	Gap Width (mm)
14	3400 (W) x 4100 (D) x 3100 (H)	≥ 1440	≥ 1300	≥ 1450	1025 (W) x 2210 (H)	1150 (W) x 2210 (H)	≥ 100	100
18	5300 (W) x 3390 (D) x 3400 (H)	≥ 2055	≥ 1300	≥ 1450	1150 (W) x 2210 (H)	1150 (W) x 2210 (H)	≥ 100	100

Notes:

1. These are feasible designs of EAB for 14m² and 18m² rooms. The room with EAB should meet the natural lighting and ventilation requirements in regulations 30 & 31 of the Building (Planning) Regulations (B(P)R). The AC platform should comply with the requirements under Appendix B of Code of Practice on Access for External Maintenance 2021 (AfEM Code), and balconies for residential buildings should comply with the criteria and conditions set out in Joint Practice Note (JPN) 1 for application of exemption from gross floor area and/or site coverage under the B(P)R.
2. SAM at balcony ceiling refers to sound absorptive material of noise reduction coefficient ≥ 0.7. It is an essential feature to attain the basic noise reduction performance in Annex B.
3. Comparable noise performance is anticipated should the AC platform be replaced by balcony with solid parapet.

Appendix 4.4 Sound Attenuation Adjustment of AW(BT) & EAB(BT) Adopted
in the Proposed Development (Interim and Ultimate Scenario)

Adjustment of Sound Attenuation for Traffic Noise Impact Assessment(Site A)(Interim Scenario)

Reference Case

Case ID	Acoustic Window/ Door System	SAM at 100mm gap	MPA	Air Gap, mm	Overlapping length, mm	Room area (RAref), m ²	Ref. sound attenuation, dB(A)
BAL	AB(BT)-KT6568	No	Yes	100	100	11.2	6.8
BAL1	AB(BT)-TP225	No	Yes	100	250	11.8	6.6

Case ID	Acoustic Window/ Door System	SAM at 100mm gap	MPA	Air Gap, mm	Overlapping length, mm	Room area (RAref), m ²	Ref. sound attenuation, dB(A)
W	AW(BT)-TSW34	No	Yes	100	100	4.2	6.3
W1	AW(BT)-TP225	No	Yes	100	250	4.2	5.9

Proposed Development									Reference Case						
NSRs with Acoustic Window / Balcony (Baffle Type)	Tower	Room	Referred Case ID	Max. Noise Level, dB(A)	Required Max. Sound Attenuation, dB(A)	Window opening Area m ²	Overlapping length, mm	Room area (RA), m ²	Air Gap, mm	Window opening Area m ²	Overlapping length, mm	Room area (RAref), m ²	Ref. sound attenuation, dB(A)	Adjustment: 10xlog(RA/RAref)	Adjusted sound attenuation, dB(A)
N1-05	N1	BR1	W	76	5.3	-	100	19.9	100	-	100	4.2	6.3	0.0	6.3
N1-06	N1	LIV/DIN	BAL	75	4.6	-	100	26.4	100	-	100	11.2	6.8	0.0	6.8
N1-07	N1	BR1	W	76	5.1	-	100	8.1	100	-	100	4.2	6.3	0.0	6.3
N1-08	N1	LIV/DIN	BAL	75	5.0	-	100	18.3	100	-	100	11.2	6.8	0.0	6.8
N1-09	N1	BR2	W	75	4.8	-	100	6.0	100	-	100	4.2	6.3	0.0	6.3
N1-10	N1	BR1	W	75	4.7	-	100	8.1	100	-	100	4.2	6.3	0.0	6.3
N1-11	N1	LIV/DIN	BAL	75	4.5	-	100	18.3	100	-	100	11.2	6.8	0.0	6.8
N1-12	N1	BR2	W	75	4.2	-	100	6.0	100	-	100	4.2	6.3	0.0	6.3
N1-13	N1	BR1	W1	75	4.3	-	250	7.3	100	-	250	4.2	5.9	0.0	5.9
N1-14	N1	BR2	W1	75	4.4	-	250	6.0	100	-	250	4.2	5.9	0.0	5.9
N1-15	N1	LIV/DIN	BAL1	75	4.9	-	250	18.5	100	-	250	11.8	6.6	0.0	6.6
N1-16	N1	LIV/DIN	BAL1	76	5.3	-	250	18.0	100	-	250	11.8	6.6	0.0	6.6
N1-17	N1	BR2	W1	76	5.6	-	250	6.6	100	-	250	4.2	5.9	0.0	5.9
N1-18	N1	BR1	W1	75	4.6	-	250	11.4	100	-	250	4.2	5.9	0.0	5.9
N1-19	N1	BR1	W1	74	3.5	-	250	9.2	100	-	250	4.2	5.9	0.0	5.9
N1-20	N1	LIV/DIN	BAL1	73	2.5	-	250	16.6	100	-	250	11.8	6.6	0.0	6.6
N1-21	N1	BR2	W1	72	1.4	-	250	9.7	100	-	250	4.2	5.9	0.0	5.9

Adjustment of Sound Attenuation for Traffic Noise Impact Assessment (Site A) (Ulterim Scenario)

Reference Case

Case ID	Acoustic Window/ Door System	SAM at 100mm gap	MPA	Air Gap, mm	Overlapping length, mm	Room area (RAref), m ²	Ref. sound attenuation, dB(A)
BAL	AB(BT)-KT6568	No	Yes	100	100	11.2	6.8
BAL1	AB(BT)-TP225	No	Yes	100	250	11.8	6.6

Case ID	Acoustic Window/ Door System	SAM at 100mm gap	MPA	Air Gap, mm	Overlapping length, mm	Room area (RAref), m ²	Ref. sound attenuation, dB(A)
W	AW(BT)-TSW34	No	Yes	100	100	4.2	6.3
W1	AW(BT)-TP225	No	Yes	100	250	4.2	5.9

Proposed Development									Reference Case						
NSRs with Acoustic Window / Balcony (Baffle Type)	Tower	Room	Referred Case ID	Max. Noise Level, dB(A)	Required Max. Sound Attenuation, dB(A)	Window opening Area m ²	Overlapping length, mm	Room area (RA), m ²	Air Gap, mm	Window opening Area m ²	Overlapping length, mm	Room area (RAref), m ²	Ref. sound attenuation, dB(A)	Adjustment: 10xlog(RA/RAref)	Adjusted sound attenuation, dB(A)
N1-05	N1	BR1	W	76	5.3	-	100	19.9	100	-	100	4.2	6.3	0.0	6.3
N1-06	N1	LIV/DIN	BAL	75	4.6	-	100	26.4	100	-	100	11.2	6.8	0.0	6.8
N1-07	N1	BR1	W	76	5.1	-	100	8.1	100	-	100	4.2	6.3	0.0	6.3
N1-08	N1	LIV/DIN	BAL	75	5.0	-	100	18.3	100	-	100	11.2	6.8	0.0	6.8
N1-09	N1	BR2	W	75	4.9	-	100	6.0	100	-	100	4.2	6.3	0.0	6.3
N1-10	N1	BR1	W	75	4.7	-	100	8.1	100	-	100	4.2	6.3	0.0	6.3
N1-11	N1	LIV/DIN	BAL	75	4.6	-	100	18.3	100	-	100	11.2	6.8	0.0	6.8
N1-12	N1	BR2	W	75	4.3	-	100	6.0	100	-	100	4.2	6.3	0.0	6.3
N1-13	N1	BR1	W1	75	4.3	-	250	7.3	100	-	250	4.2	5.9	0.0	5.9
N1-14	N1	BR2	W1	75	4.4	-	250	6.0	100	-	250	4.2	5.9	0.0	5.9
N1-15	N1	LIV/DIN	BAL1	75	4.9	-	250	18.5	100	-	250	11.8	6.6	0.0	6.6
N1-16	N1	LIV/DIN	BAL1	76	5.3	-	250	18.0	100	-	250	11.8	6.6	0.0	6.6
N1-17	N1	BR2	W1	76	5.6	-	250	6.6	100	-	250	4.2	5.9	0.0	5.9
N1-18	N1	BR1	W1	76	5.3	-	250	11.4	100	-	250	4.2	5.9	0.0	5.9
N1-19	N1	BR1	W1	75	4.7	-	250	9.2	100	-	250	4.2	5.9	0.0	5.9
N1-20	N1	LIV/DIN	BAL1	75	4.1	-	250	16.6	100	-	250	11.8	6.6	0.0	6.6
N1-21	N1	BR2	W1	74	3.7	-	250	9.7	100	-	250	4.2	5.9	0.0	5.9

Adjustment of Sound Attenuation for Traffic Noise Impact Assessment (Site B- F) (Ultimate)

Reference Case

Case ID	Acoustic Window/ Door System	SAM at 100mm gap	MPA	Air Gap, mm	Overlapping length, mm	Room area (RAref), m ²	Ref. sound attenuation, dB(A)
BAL	AB(BT)-EPD PN (18m ²)-0 ⁰	No	No	100	275	18	9.0
BAL1	AB(BT)-EPD PN (18m ²)-30-60 ⁰	No	No	100	275	18	11.0
BAL2	AB(BT)-EPD PN (14m ²)-0 ⁰	No	No	100	275	14	8.0
BAL3	AB(BT)-EPD PN (14m ²)-30-60 ⁰	No	No	100	275	14	11.0

Case ID	Acoustic Window/ Door System	SAM at 100mm gap	MPA	Air Gap, mm	Overlapping length, mm	Room area (RAref), m ²	Ref. sound attenuation, dB(A)
W	AW(BT)-EPD PN (8m ²)-0 ⁰	No	Yes	100	253	8	6.0
W1	AW(BT)-EPD PN (8m ²)-30-60 ⁰	No	Yes	100	253	8	7.0

Proposed Development									Reference Case							
NSRs with Acoustic Window / Balcony (Baffle Type)	Tower	Room	Referred Case ID	Max. Noise Level, dB(A)	Required Max. Sound Attenuation, dB(A)	Window opening Area m ²	Overlapping length, mm	Room area (RA), m ²	Air Gap, mm	Window opening Area m ²	Overlapping length, mm	Room area (RAref), m ²	Ref. sound attenuation, dB(A)	SAM	Adjustment: 10xlog(RA/RAref)	Adjusted sound attenuation, dB(A)
N2-02	N2	BR2	W1	71	0.3	-	253	5.2	100	-	253	8	7.0		-1.9	5.1
N2-03	N2	LIV/DIN	BAL3	72	1.1	-	275	17.1	100	-	275	14	11.0		0.0	11.0
N2-04	N2	BR2	W1	72	2.0	-	253	5.9	100	-	253	8	7.0		-1.3	5.7
N2-05	N2	LIV/DIN	BAL3	73	2.4	-	275	13.1	100	-	275	14	11.0		-0.3	10.7
N2-06	N2	BR1	W1	73	2.7	-	253	7.3	100	-	253	8	7.0		-0.4	6.6
N2-07	N2	BR1	W1	74	3.1	-	253	7.3	100	-	253	8	7.0		-0.4	6.6
N2-08	N2	LIV/DIN	BAL1	74	3.8	-	275	13.1	100	-	275	18	11.0		-1.4	9.6
N2-09	N2	BR2	W1	75	4.3	-	253	5.9	100	-	253	8	7.0		-1.3	5.7
N2-10	N2	LIV/DIN	BAL1	75	4.4	-	275	16.8	100	-	275	18	11.0		-0.3	10.7
N2-11	N2	BR2	W1	75	5.0	-	253	5.4	100	-	253	8	7.0		-1.7	5.3
N2-12	N2	BR1	W1	76	5.5	-	253	7.0	100	-	253	8	7.0		-0.6	6.4
N3-01	N3	BR1	W	76	5.9	-	253	8.8	100	-	253	8	6.0		0.0	6.0
N3-02	N3	BR2	W	76	5.9	-	253	6.1	100	-	253	8	6.0	1.5	-1.2	6.3
N3-03	N3	LIV/DIN	BAL	76	5.9	-	275	22.0	100	-	275	18	9.0		0.0	9.0
N3-04	N3	BR1	W	76	5.2	-	253	8.7	100	-	253	8	6.0		0.0	6.0
N3-05	N3	BR2	W	75	4.2	-	253	4.6	100	-	253	8	6.0	1.5	-2.4	5.1
N3-06	N3	LIV/DIN	BAL	74	3.8	-	275	16.6	100	-	275	18	9.0		-0.4	8.6
N3-07	N3	BR2	W	74	3.4	-	253	5.8	100	-	253	8	6.0		-1.4	4.6
N3-08	N3	LIV/DIN	BAL2	74	3.1	-	275	14.3	100	-	275	14	8.0		0.0	8.0
N3-09	N3	BR1	W	73	3.0	-	253	7.9	100	-	253	8	6.0		-0.1	5.9
N3-10	N3	LIV/DIN	BAL2	73	2.7	-	275	15.7	100	-	275	14	8.0		0.0	8.0
N3-11	N3	BR2	W	73	2.5	-	253	4.7	100	-	253	8	6.0		-2.3	3.7
N3-12	N3	BR1	W	73	2.4	-	253	9.2	100	-	253	8	6.0		0.0	6.0
N4-01	N4	BR1	W	73	2.1	-	253	8.7	100	-	253	8	6.0		0.0	6.0
N4-02	N4	BR2	W	73	2.1	-	253	4.6	100	-	253	8	6.0		-2.4	3.6
N4-03	N4	LIV/DIN	BAL	73	2.1	-	275	16.6	100	-	275	18	9.0		-0.4	8.6
N4-04	N4	BR2	W	72	2.0	-	253	5.8	100	-	253	8	6.0		-1.4	4.6
N4-05	N4	LIV/DIN	BAL2	73	2.1	-	275	14.3	100	-	275	14	8.0		0.0	8.0
N4-06	N4	BR1	W	73	2.1	-	253	7.9	100	-	253	8	6.0		-0.1	5.9
N4-07	N4	LIV/DIN	BAL2	73	2.1	-	275	15.7	100	-	275	14	8.0		0.0	8.0
N4-08	N4	BR2	W	73	2.3	-	253	4.7	100	-	253	8	6.0		-2.3	3.7
N4-09	N4	BR1	W	73	2.6	-	253	9.2	100	-	253	8	6.0		0.0	6.0

Appendix 4.5 Road Traffic Noise Impact Assessment Result (Mitigated Case)
(Interim and Ultimate Scenario)

Predicted Road Traffic Noise (L10, dB(A)) at Representative Noise Assessment Points (NAPs)
 Mitigated Case (Site B- F) (Ultimate)

Floor	mPD	Site B												Site C											
		N2-01	N2-02	N2-03	N2-04	N2-05	N2-06	N2-07	N2-08	N2-09	N2-10	N2-11	N2-12	N3-01	N3-02	N3-03	N3-04	N3-05	N3-06	N3-07	N3-08	N3-09	N3-10	N3-11	N3-12
3	18.5	68	68	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
4	22	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
5	25.5	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
6	29	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
7	32.5	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
8	36	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
9	39.5	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
10	43	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
11	46.5	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
12	50	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
13	53.5	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
14	57	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
15	60.5	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
16	64	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
17	67.5	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
18	71	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
19	74.5	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
20	78	68	68	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
21	81.5	68	68	68	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
22	85	68	68	68	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
23	88.5	68	68	68	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
24	92	68	68	68	68	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
25	95.5	68	68	68	68	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
26	99	67	67	68	68	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
27	102.5	67	67	68	68	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
28	106	67	67	67	68	68	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
29	109.5	67	67	67	68	68	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
30	113	67	67	67	68	68	68	69	69	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	70
31	116.5	67	67	67	68	68	68	68	69	69	69	69	69	70	70	70	70	70	70	70	70	70	69	69	69
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max		70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Exceedance		0			0			0			0			0	0	0	0	0	0	0	0	0	0	0	0

Predicted Road Traffic Noise (L10, dB(A)) at Representative Noise Assessment Points (NAPs)
 Mitigated Case (Site B- F) (Ultimate)

Floor	mPD	Site D														Site E							
		N4-01	N4-02	N4-03	N4-04	N4-05	N4-06	N4-07	N4-08	N4-09	N4-10	N4-11	N4-12	N4-13	N4-14	N5-01	N5-02	N5-03	N5-04	N5-05	N5-06	N5-07	N5-08
3	18.5	70	70	70	70	70	70	70	70	70	68	66	64	53	55	70	67	66	67	66	65	64	61
4	22	70	70	70	70	70	70	70	70	70	69	66	64	55	59	70	67	67	68	66	66	64	63
5	25.5	70	70	70	70	70	70	70	70	70	69	66	65	56	60	69	67	67	68	66	66	64	63
6	29	70	70	70	70	70	70	70	70	70	68	66	65	58	61	69	66	66	67	66	66	64	64
7	32.5	70	70	70	70	70	70	70	70	70	68	66	64	60	62	68	66	66	67	66	66	65	64
8	36	70	70	70	70	70	70	70	70	70	68	65	64	61	63	68	65	66	67	66	66	65	64
9	39.5	70	70	70	70	70	70	70	70	70	67	65	64	62	63	68	65	65	66	65	66	65	64
10	43	70	70	70	70	70	70	70	70	70	67	65	64	62	64	68	65	65	66	65	66	65	64
11	46.5	70	70	70	70	70	70	70	70	70	67	65	64	63	64	67	64	65	66	65	66	64	64
12	50	70	70	70	70	70	70	70	70	70	67	65	64	63	64	67	64	64	66	65	65	64	64
13	53.5	70	70	70	70	70	70	70	70	70	67	65	64	63	64	67	64	64	65	64	65	64	64
14	57	70	70	70	70	70	70	70	70	70	67	65	63	64	64	67	64	64	65	64	65	64	64
15	60.5	70	70	70	70	70	70	70	70	70	67	64	63	63	64	67	63	64	65	64	65	64	64
16	64	70	70	70	70	70	70	70	70	70	66	64	63	63	64	66	63	64	65	64	65	64	64
17	67.5	70	70	70	70	70	70	70	70	70	66	64	63	63	64	66	63	63	65	64	65	64	64
18	71	70	70	70	70	70	70	70	70	70	66	64	63	63	64	66	63	63	65	64	65	64	64
19	74.5	70	70	70	70	70	70	70	70	70	66	64	63	63	64	66	62	63	64	63	65	64	64
20	78	70	70	70	70	70	70	70	70	70	66	64	63	63	64	66	62	63	64	63	64	63	63
21	81.5	70	70	70	70	70	70	70	70	70	66	64	63	63	64	66	62	63	64	63	64	63	63
22	85	70	70	70	70	70	70	70	70	70	66	64	63	63	64	65	62	62	64	63	64	63	63
23	88.5	70	70	70	70	70	70	70	70	70	66	64	63	63	63	65	62	62	64	63	64	63	63
24	92	70	70	70	70	70	70	70	70	70	66	64	62	63	63	65	62	62	64	63	64	63	63
25	95.5	70	70	70	70	70	70	70	70	70	65	63	62	62	63	65	61	62	63	63	64	63	63
26	99	70	70	70	70	70	70	70	70	70	65	63	62	62	63	65	61	62	63	62	64	63	63
27	102.5	70	70	70	70	70	70	70	70	70	65	63	62	62	63	65	61	62	63	62	64	63	63
28	106	70	70	70	70	70	70	70	70	70	65	63	62	62	63	65	61	62	63	62	63	62	62
29	109.5	70	70	70	70	70	70	70	70	70	65	63	62	62	63	64	61	61	63	62	63	62	62
30	113	69	69	69	69	69	69	69	69	70	65	63	62	62	62	64	61	61	63	62	63	62	62
31	116.5	69	69	69	69	69	69	69	69	69	65	63	62	62	62	64	61	61	63	62	63	62	62
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Max	70	70	70	70	70	70	70	70	70	69	66	65	64	64	70	67	67	68	66	66	65	64
	Exceedance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Predicted Road Traffic Noise (L10, dB(A)) at Representative Noise Assessment Points (NAPs)
Mitigated Case (Site B- F) (Ultimate)

Floor	mPD	Site F														
		N6-01	N6-02	N6-03	N6-04	N6-05	N6-06	N6-07	N6-08	N6-09	N6-10	N6-11	N6-12	N6-13	N6-14	N6-15
3	18.5	70	66	65	65	64	65	65	65	65	66	66	66	66	66	66
4	22	70	67	67	67	65	65	65	65	65	66	66	66	66	66	66
5	25.5	69	67	67	67	66	66	65	65	65	66	66	66	66	65	66
6	29	69	66	67	67	66	66	65	65	65	66	66	66	66	65	66
7	32.5	68	66	66	67	66	66	65	65	65	66	66	66	66	65	66
8	36	68	66	66	66	65	66	65	65	65	66	65	65	66	65	66
9	39.5	67	65	66	66	65	65	65	65	65	65	65	65	65	65	66
10	43	67	65	65	66	65	65	65	65	65	65	65	65	65	65	65
11	46.5	67	65	65	65	65	65	64	64	64	65	65	65	65	65	65
12	50	67	64	65	65	64	64	64	64	64	65	65	64	65	64	65
13	53.5	66	64	64	65	64	64	64	64	64	64	64	64	64	64	65
14	57	66	64	64	65	64	64	64	64	64	64	64	64	64	64	64
15	60.5	66	64	64	64	64	64	63	63	64	64	64	64	64	64	64
16	64	66	63	64	64	63	63	63	63	63	64	64	64	64	63	64
17	67.5	65	63	63	64	63	63	63	63	63	63	63	63	64	63	64
18	71	65	63	63	64	63	63	63	63	63	63	63	63	63	63	64
19	74.5	65	63	63	63	63	63	63	63	63	63	63	63	63	63	64
20	78	65	62	63	63	62	63	62	62	62	63	63	63	63	63	63
21	81.5	65	62	63	63	62	62	62	62	62	63	63	63	63	63	63
22	85	65	62	62	63	62	62	62	62	62	63	63	63	63	62	63
23	88.5	64	62	62	63	62	62	62	62	62	62	62	62	63	62	63
24	92	64	62	62	63	62	62	62	62	62	62	62	62	62	62	63
25	95.5	64	62	62	62	62	62	62	62	62	62	62	62	62	62	63
26	99	64	61	62	62	61	62	61	61	61	62	62	62	62	62	63
27	102.5	64	61	62	62	61	61	61	61	61	62	62	62	62	62	62
28	106	64	61	61	62	61	61	61	61	61	62	62	62	62	62	62
29	109.5	64	61	61	62	61	61	61	61	61	62	62	62	62	62	62
30	113	63	61	61	62	61	61	61	61	61	61	61	61	62	61	62
31	116.5	63	61	61	61	61	61	61	61	61	61	61	61	62	61	62
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max		70	67	67	67	66	66	65	65	65	66	66	66	66	66	66
Exceedance		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site B No. of Units:	116
No. of Units with Exceedance:	0
Compliance Level:	100%
Max. Noise Level:	0

Site C No. of Units:	116
No. of Units with Exceedance:	0
Compliance Level:	100%
Max. Noise Level:	0

Site D No. of Units:	145
No. of Units with Exceedance:	0
Compliance Level:	100%
Max. Noise Level:	0

Site E No. of Units:	87
No. of Units with Exceedance:	0
Compliance Level:	100%
Max. Noise Level:	0

Site F No. of Units:	145
No. of Units with Exceedance:	0
Compliance Level:	100%
Max. Noise Level:	0

- Noted:
- Noise level exceed standard of 70 dB(A)
 - Non-applicable
 - AW(BT)-EPD PN
 - AB(BT)-EPD PN
 - Fixed Glazing with / without Maintenance Window

Predicted Road Traffic Noise (L10, dB(A)) at Representative Noise Assessment Points (NAPs)
Mitigated Case (Site A) (Interim & Ultimate Scenario)

Floor	mPD	N1-01	N1-02	N1-03	N1-04	N1-05	N1-06	N1-07	N1-08	N1-09	N1-10	N1-11	N1-12	N1-13	N1-14	N1-15	N1-16	N1-17	N1-18	N1-19	N1-20	N1-21	N1-22	N1-23	N1-24	N1-25	N1-26	N1-27	N1-28	N1-29
3	21.8	62	59	45	56	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	--	--	--	--	--	--	--	
4	25	65	62	45	58	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	--	--	--	--	--	--	--	
5	28.2	66	64	45	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	--	--	--	--	--	--	--	
6	31.3	66	64	45	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	66	66	65	64	55	59
7	34.4	66	64	45	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	67	66	66	65	64	55	59
R	37.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
8	40.7	66	64	44	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	67	66	66	65	64	55	60
9	43.9	66	64	44	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	67	66	65	65	64	55	60
10	47	65	63	44	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	66	66	65	65	64	55	60
11	50.2	65	63	44	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	68	66	65	65	65	64	55	60
12	53.3	65	63	43	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	68	66	65	65	65	64	55	60
13	56.5	65	63	43	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	68	66	65	65	64	64	55	60
14	59.6	65	63	43	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	68	66	65	65	64	64	55	60
15	62.8	65	63	43	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	68	65	65	65	64	64	55	60
16	65.9	65	63	43	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	68	65	65	64	64	63	55	60
17	69.1	65	63	43	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	65	65	64	64	63	55	60
18	72.2	64	63	43	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	65	64	64	64	63	55	60
19	75.4	64	63	42	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	65	64	64	64	63	55	60
20	78.6	64	62	42	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	65	64	64	63	63	55	60
21	81.7	64	62	42	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	65	64	64	63	63	54	59
22	85.2	64	62	42	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	64	64	64	63	63	54	59
23	88.7	64	62	42	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	64	64	63	63	63	54	59
24	92.2	64	62	42	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	66	64	64	63	63	62	54	59
25	95.7	64	62	42	59	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	66	64	63	63	63	62	54	59
26	99.2	64	62	42	59	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	66	64	63	63	63	62	54	59
27	102.7	63	62	41	59	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	66	64	63	63	63	62	54	59
28	106.2	63	62	41	59	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	66	64	63	63	62	62	54	59
29	109.7	63	61	41	59	70	70	70	70	70	70	70	70	69	69	69	70	70	70	69	69	69	66	63	63	63	62	62	54	59
30	113.2	63	61	43	59	70	70	70	70	70	70	70	69	69	69	70	70	70	69	69	69	69	66	63	63	63	62	62	54	59
Max		63	61	43	59	70	70	70	70	70	70	69	69	69	69	70	70	69	69	69	69	69	66	63	63	63	62	62	54	59
Exceedance		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Floor	mPD	S1-01	S1-02	S1-03	S1-04	S1-05	S1-06	S1-07	S1-08	S1-09	S1-10	S1-11	S1-12	S1-13	S1-14	S1-15	S1-16	S1-17	S1-18	S1-19
31	116.7	60	70	69	66	69	69	69	61	70	69	69	65	64	63	62	62	61	57	59
Max		60	62	69	67	70	69	69	60	69	69	69	65	63	63	62	62	61	54	59
Exceedance		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

No. of Units:	277
No. of Units with Exceedance:	0
Compliance Level:	100%
Max. Noise Level:	70

- Noted:
- Non-applicable
 - AW(BT)-TSW34
 - AB(BT)-KT6568
 - AW(BT)-TP225
 - AB(BT)-TP225

Appendix 4.6 Overall Proposed Noise Mitigation Measures Schedule

Schedule of Noise Mitigation Measures (Site B- F) (Ultimate)

NSR	Room	Floor	Noise Mitigation Measures
N2-02	BR2	6-10/F	Acoustic Window (Baffle Type)- EPD-PN
N2-03	LIV/DIN	3-12/F	Acoustic Balcony (Baffle Type)- EPD PN
N2-04	BR2	3-15/F	Acoustic Window (Baffle Type)- EPD-PN
N2-05	LIV/DIN	3-17/F	Acoustic Balcony (Baffle Type)- EPD PN
N2-06	BR1	3-17/F	Acoustic Window (Baffle Type)- EPD-PN
N2-07	BR1	3-18/F	Acoustic Window (Baffle Type)- EPD-PN
N2-08	LIV/DIN	3-21/F	Acoustic Balcony (Baffle Type)- EPD PN
N2-09	BR2	3-22/F	Acoustic Window (Baffle Type)- EPD-PN
N2-10	LIV/DIN	3-22/F	Acoustic Balcony (Baffle Type)- EPD PN
N2-11	BR2	3-25/F	Acoustic Window (Baffle Type)- EPD-PN
N2-12	BR1	3-27/F	Acoustic Window (Baffle Type)- EPD-PN
N3-01	BR1	3-28/F	Acoustic Window (Baffle Type)- EPD-PN
N3-02	BR2	3-28/F	Acoustic Window (Baffle Type)- EPD-PN
N3-03	LIV/DIN	3-28/F	Acoustic Balcony (Baffle Type)- EPD PN
N3-04	BR1	3-29/F	Acoustic Window (Baffle Type)- EPD-PN
N3-05	BR2	3-25/F	Acoustic Window (Baffle Type)- EPD-PN
N3-06	LIV/DIN	3-24/F	Acoustic Balcony (Baffle Type)- EPD PN
N3-07	BR2	3-23/F	Acoustic Window (Baffle Type)- EPD-PN
N3-08	LIV/DIN	3-23/F	Acoustic Balcony (Baffle Type)- EPD PN
N3-09	BR1	3-23/F	Acoustic Window (Baffle Type)- EPD-PN
N3-10	LIV/DIN	3-22/F	Acoustic Balcony (Baffle Type)- EPD PN
N3-11	BR2	3-22/F	Acoustic Window (Baffle Type)- EPD-PN
N3-12	BR1	3-22/F	Acoustic Window (Baffle Type)- EPD-PN
N4-01	BR1	3-21/F	Acoustic Window (Baffle Type)- EPD-PN
N4-02	BR2	3-21/F	Acoustic Window (Baffle Type)- EPD-PN
N4-03	LIV/DIN	3-21/F	Acoustic Balcony (Baffle Type)- EPD PN
N4-04	BR2	3-21/F	Acoustic Window (Baffle Type)- EPD-PN
N4-05	LIV/DIN	3-21/F	Acoustic Balcony (Baffle Type)- EPD PN
N4-06	BR1	3-21/F	Acoustic Window (Baffle Type)- EPD-PN
N4-07	LIV/DIN	3-21/F	Acoustic Balcony (Baffle Type)- EPD PN
N4-08	BR2	3-21/F	Acoustic Window (Baffle Type)- EPD-PN
N4-09	BR1	3-22/F	Acoustic Window (Baffle Type)- EPD-PN

Schedule of Noise Mitigation Measures (Site A) (Interim & Ultimate Scenario)

NSR	Room	Floor	Noise Mitigation Measures
N1-05	BR1	3-27/F	AW(BT)-TSW34
N1-06	LIV/DIN	3-23/F	AB(BT)-KT6568
N1-07	BR1	3-25/F	AW(BT)-TSW34
N1-08	LIV/DIN	3-25/F	AB(BT)-KT6568
N1-09	BR2	3-25/F	AW(BT)-TSW34
N1-10	BR1	3-24/F	AW(BT)-TSW34
N1-11	LIV/DIN	3-23/F	AB(BT)-KT6568
N1-12	BR2	3-22/F	AW(BT)-TSW34
N1-13	BR1	3-22/F	AW(BT)-TP225
N1-14	BR2	3-22/F	AW(BT)-TP225
N1-15	LIV/DIN	3-23/F	AB(BT)-TP225
N1-16	LIV/DIN	3-23/F	AB(BT)-TP225
N1-17	BR2	3-23/F	AW(BT)-TP225
N1-18	BR1	3-23/F	AW(BT)-TP225
N1-19	BR1	3-21/F	AW(BT)-TP225
N1-20	LIV/DIN	3-20/F	AB(BT)-TP225
N1-21	BR2	3-19/F	AW(BT)-TP225