
From: EO - Terry Fan <[REDACTED]>
Sent: 2026-05-06 星期三 16:36:56
To: tpbbpd/PLAND <tpbbpd@pland.gov.hk>
Cc: Steven Kang Shun MA/PLAND <sksma@pland.gov.hk>; Yan Yan LAM/PLAND <yylam@pland.gov.hk>; EO - William Chan <[REDACTED]>; EO - Jone Wong <[REDACTED]>
Subject: Supplementary information for Section16 Application with reference no.: A/TM-LTY/515
Attachment: Attachment 1 Annual Inspection Report (Lam Tei Training Ground).pdf; Attachment 2 Approved GBP to show the 3.3m.zip; Attachment 3 As-built FS drawings.7z; Attachment 4 As-built drainage drawings.7z

Dear Town Planning Board,

On behalf of Construction Industry Council, we are writing to submit supplementary information regarding our section 16 application (Ref: A/TM-LTY/515) for the renewal of permission for temporary use at Government Land under Kong Sham Western Highway, Lam Tei, Tuen. We would like to provide the following clarifications below for your processing:

1. We confirm that this proposed use and layout remain unchanged as the previous application (previous ref: LTY/456)
2. Annual tree inspection was conducted by competent person in March 2025 and the report was submitted on 12 March 2025. The number of preserved trees has been updated based on the risk assessment report and some trees were removed in accordance with the inspection officer's assessment, detailed information please refer to the attachment 1 for your reference and further explanation.
3. We confirm that the traffic flow remains unchanged as previous application (previous ref: LTY/456) under previous traffic impact assessment.
4. We clarify that the height of building is 3.3 meters in this development Schedule, attached please see attachment 2 as previous approved GBP or your information and reference
5. We also supplement as-built Fire Services drawings (Attachment 3) and as-built drainage drawings for your necessary reference.

It is hope that supplementary information could be sufficient for your continued processing of the application.

Should you have any queries, feel free to contact me for further discussion at [REDACTED].

Regards,

Terry

C.K. Green Company Limited

Contract No.: (378) in P/AE/PUR/TDTC

Provision of Repair and Maintenance Services for Landscaping Works for
Construction Industry Council

Annual Inspection Report (2024 – 2025)

At

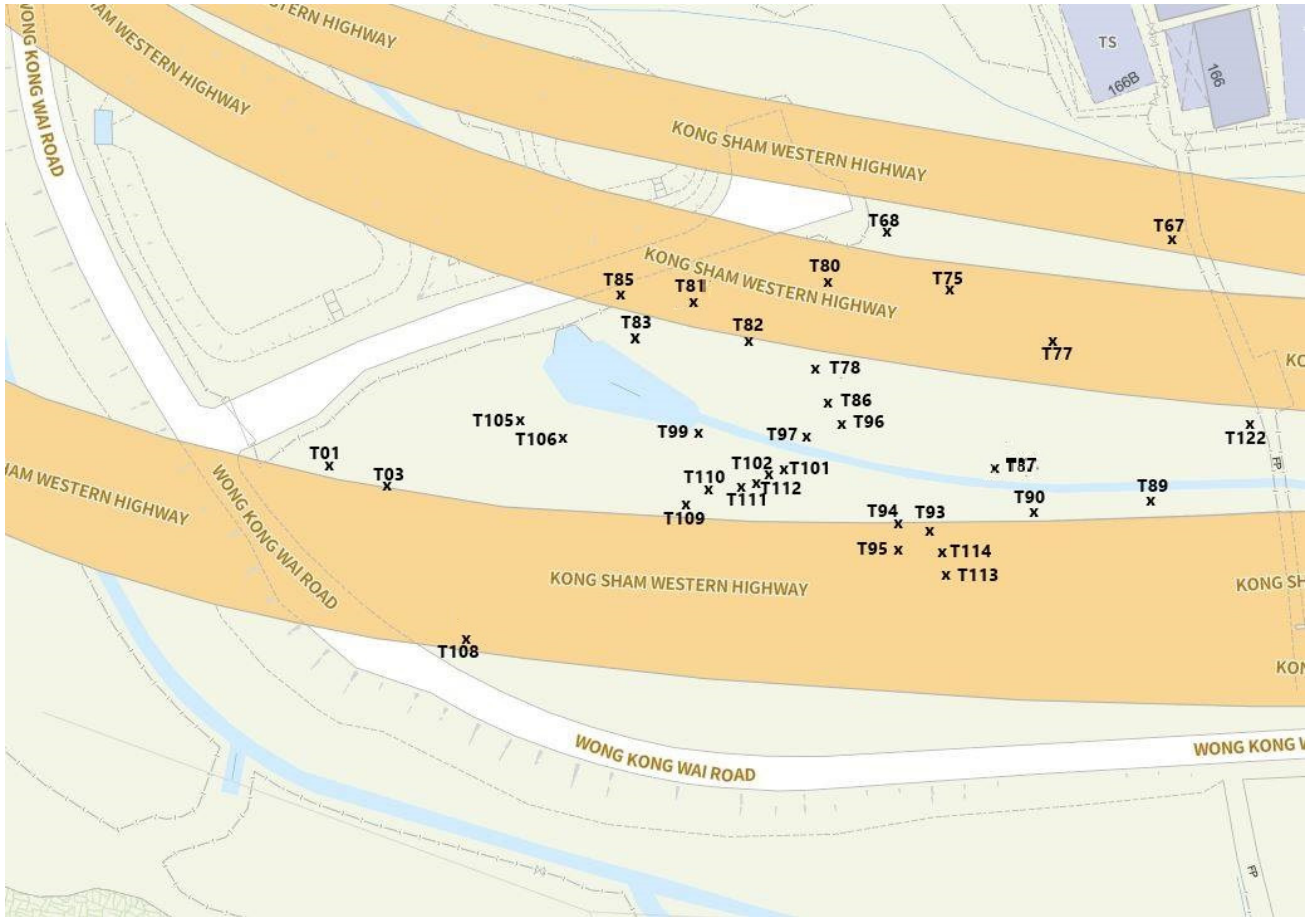
Lam Tei Training Ground (LTTG)
(Wong Kong Wai Road under the Kong Sham Western Highway,
Lam Tei, Tuen Mun, New Territories, Hong Kong)

Introduction

This annual inspection report summarized the findings of tree inspection conducted within January to March 2025.

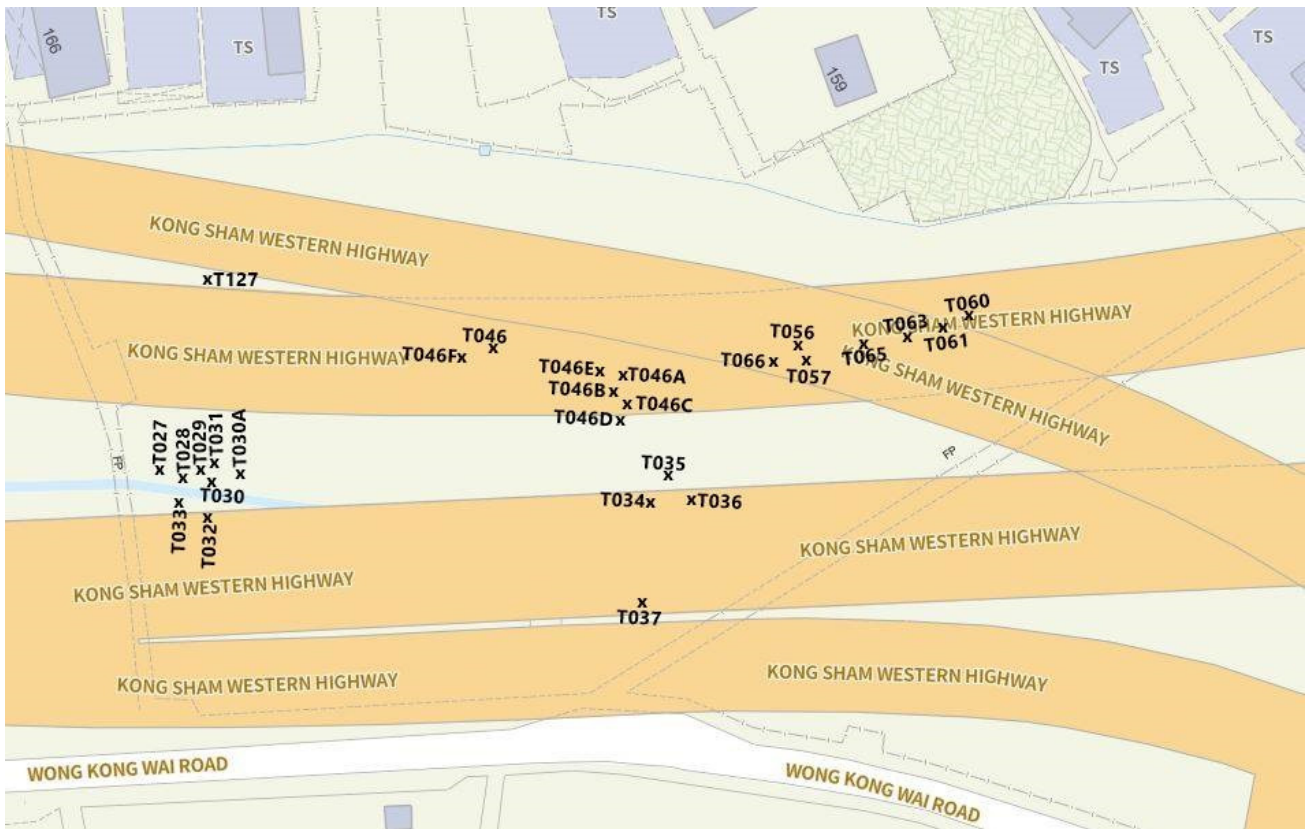
Visual tree assessment (VTA) was adopted in the inspection with aids of simple hand tools where necessary. The inspection shall focus on trees with structural defects as well as those with potential hazard to the nearby properties, residential, road or footpath. The result was summarized in Form 1 (Tree group inspection report). Recommendation of mitigation measure shall be recorded with supporting photo in this report if necessary. Follow up works shall be conducted as soon as possible after CIC approval.

Site Plan of the Venue



(Zone A)

Contract No.: (378) in P/AE/PUR/TDTC
Annual Inspection Report (2024 – 2025) for
Lam Tei Training Ground (LTTG)



(Zone B)

Findings

Tree(s) found on site was in fair condition during the site inspection. The mitigation summary is listed below,

	Total No. of Trees	Dead Trees	Hazardous Trees	Trees to be removed	Trees to be pruned	Keep Close Monitor	Trees require other actions	No. of Form 1	No. of Form 2
Category I	61	0	0	8	0	2	0	2	0
Category II	0	0	0	0	0	0	0	0	0
Category III	0	0	0	0	0	0	0	0	0
Total	61	0	0	8	0	2	0	2	0

Contract No.: (378) in P/AE/PUR/TDTC
Annual Inspection Report (2024 – 2025) for
Lam Tei Training Ground (LTTG)

Appendix I – Form 1

Tree Risk Assessment Form 1 : Tree Group Inspection
樹木風險評估表格1: 樹群檢查表

General Information 基本資料

Form 1 Ref. No.: 表格1編號:	CIC	2024	000-0273-1
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Dept. / Agency 部門 / 機構:	CIC	Inspection Officer 巡查人員:	Luk Ying Pui	Post 職位:	Arborist
Project / Contract No. 工程 / 合約編號:	(378) in P/AE/PUR/TDTC			File Ref. 檔案編號:	LTTG_2024-2025_Zone A
Date of Inspection 巡查日期:	27/02/2025 (dd/mm/yyyy)	Last Inspection Date: 上次巡查日期:	13/04/2024 (dd/mm/yyyy)	Inspection Frequency: 巡查週期:	12 month

Location Information 位置資料

Masterzone Ref. 主區編號:	Tuen Mun	Subzone Ref. 副區編號:	Lam Tei		
Location (English): 地點 (英文):	Wong Kong Wai Road under the Kong Sham Western Highway, Lam Tei, Tuen Mun, New Territories, Hong Kong	Location (Chinese): 地點 (中文):	香港新界屯門藍地港深西部通道下黃崗圍路	District: 地區:	Tuen Mun 屯門區
Tree Risk Management Zone 樹木風險管理地區類別:	Category I 第一類				
Location Types 地點類別: (multiple selections allowed 可選多於一項)	Roadside landscaped area 路旁綠化地區 Public park/recreation venue 公園/康樂場地 Planter box 花盆 Tree pit 樹穴 Housing estate 屋邨 Central divider 中央分隔帶 Others (please specify) 其他 (請說明): Government compound 政府建築物 Unleased/unallocated government land 未批租/未撥用的政府土地 Recreational site/facility inside country park 郊野公園內康樂用地或設施 SIMAR slopes 系統性維修責任的斜坡 SIMAR slope ref: <input type="text"/>				
Construction Industry Council					
Nearest lamp pole number 最近的燈柱編號:					

Tree Information 樹木基本資料

The size of a tree group should be defined by location types, such as public park, SIMAR slopes, tree pits, etc. with due consideration given to the limitations of visual tree assessment. No more than 50 trees shall be included in a Tree Group.
在決定樹群的大小時，應參照地點類別，如公園、系統性維修責任的斜坡、樹穴等，並需考慮目測法的局限，每個樹群不可多於50棵樹。

(A) Triage Trees and Trees Require Remedial Actions or Form 2 Assessment

分流樹木及需要進行緩減措施 / 表格 2 評估的樹木

TMCP Tree ID 樹木 編號	Dept. Tree ID 部門 樹木 編號	Tree Species 樹種	DBH (mm) 胸徑 (毫米)	Estimated Tree Height (m) 大約樹高 (米)	Estimated Crown Spread (m) 大約樹冠 闊度 (米)	Tree Status 樹木類別	Overall Tree Conditions 整體樹木 狀況	Triage Colour 分流顏色	Remedial Action / Form 2 Assessment 緩減措施 / 表格2評估	Anticipated Completion Date 預計完成日期 (dd/mm/yyyy)	Reference Coordinates of Tree 樹木參考座標	
											X	Y
	T105	Leucaena leucocephala 銀合歡	260.00	9.00	5.00	Large Tree	Fair	Yellow	Remove the whole tree	26/05/2025	816909.000	831096.000
	T109	Leucaena leucocephala 銀合歡	260.00	10.00	4.00	Large Tree	Fair	Yellow	Remove the whole tree	26/05/2025	816913.000	831068.000
	T80	Ficus religiosa 菩提樹	350.00	10.00	6.00	Large Tree	Fair	Yellow	Others: Keep monitoring	26/05/2025	816941.000	831119.000
	T82	Macaranga tanarius var. tomentosa 血桐	100.00	3.00	1.00	Other Trees	Dead	Black	Remove the whole tree	26/05/2025	816939.000	831110.000
	T89	Ficus hispida 對葉榕(牛乳樹)	120.00	4.00	2.00	Other Trees	Dead	Black	Remove the whole tree	26/05/2025	816990.000	831103.000
	T102	Broussonetia papyrifera 構樹(穀木)	120.00	5.00	1.00	Other Trees	Dead	Black	Remove the whole tree	26/05/2025	816941.000	831096.000
	T122	Cordia dichotoma 破布木	360.00	11.00	6.00	Large Tree	Dead	Black	Remove the whole tree	26/05/2025	816996.000	831113.000
	T01	Leucaena leucocephala 銀合歡	200.00	8.00	4.00	Other Trees	Fair	NIL	Remove the whole tree	26/05/2025	816890.000	831087.000

(B) Other Trees (Non-Triage Trees - trees do not need further actions)

其他樹木 (非分流樹木 - 無需進一步行動的樹木)

Tree Species 樹種	App. Quantity of Trees 大約樹木數量	Range of Tree Height 樹高範圍		Overall Tree Conditions 整體樹木狀況
		From (m) 由 (米)	To (m) 至 (米)	
Acacia confusa 台灣相思	7	7	8	Fair
Ficus religiosa 菩提樹	3	7	8	Fair
Broussonetia papyrifera 構樹(穀木)	2	6	8	Fair
Ficus variegata (syn. Ficus variegata var. chlorocarpa) 青果榕	3	5	8	Fair
Bauhinia x blakeana 洋紫荊	3	6	7	Fair
Macaranga tanarius var. tomentosa 血桐	4	5	8	Fair
Cordia dichotoma 破布木	1	8	8	Fair
Ficus microcarpa L.f. 細葉榕	1	7	7	Fair
Litsea monopetala 假柿木薑子(假柿樹)	2	6	8	Fair

Overall Remarks 整體評語

The overall condition of the trees was fair at the time of inspection, except LL and dead trees with mitigation measures. Leucaena leucocephala T01, T105, T109 was recommended whole tree removal in last year annual inspection on April 2024. Suggestion of whole tree removal for these 3 trees is maintained. Dead trees T82, T89, T102, T122 are recommended whole tree removal. Re-inspection within 12 months according to the TRAM requirement.

Sub-total No. of Trees in Table (A): (A) 表樹木數量小結:	8	Sub-total No. of Trees in Table (B): (B) 表樹木數量小結:	26	Total No. of Trees (A + B): 樹木總數 (A + B):	34
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Summary of TRIAGE Trees 分流樹木總結

Black 黑

4

Red 紅

0

Orange 橙

0

Yellow 黃

3

No Triage colour 無

27

Attached Information 附夾資料

Attachment Type		Attachment File Name	Description
PHOTO 照片	N/A	Tree Photo_HKIC - Lam Tei Training Ground_Zone A	Tree Photo_HKIC - Lam Tei Training Ground_Zone A
PHOTO 照片	N/A	Tree Group_HKIC - Lam Tei Training Ground_Zone A	Tree Group_HKIC - Lam Tei Training Ground_Zone A
MAP 地圖	N/A	HKIC - Lam Tei Training Ground_Zone A_map	HKIC - Lam Tei Training Ground_Zone A_map

Declaration 聲明

I, the Inspection Officer for the above TRA Form 1, confirm that I have inspected the tree group(s) at the specified date with due diligence, and the information given in the Form(s) is truly reflecting what I observed on site.

本人作為以上樹群檢查表格1的巡查人員，確認本人已在本表格所列日期，謹慎小心完成有關樹群的檢查，而本表格上填入的資料均真確無訛地反映本人在現場觀察所得。

My academic, professional, training records and work experience met the requirements of Inspection Officer specified in the TRAM Guidelines.

本人的學術、專業、培訓紀錄及相關工作經驗均符合「樹木風險評估及管理安排」指引中對巡查人員的要求。

Name of Inspection Officer:

Luk Ying Pui

巡查人員姓名

(請以英文正楷書寫)

(If more than one Inspection Officer involved in the same Tree Group Inspection, each Inspection Officer should submit individual Form 1 containing the trees inspected by him/her. 如多於一位巡查人員負責同一樹群檢查，個別巡查人員應將其檢查的樹木以另一表格1填報。)

Date of Form Completion:

12/03/2025

完成表格日期

(dd/mm/yyyy)

(If Form 1 is submitted in paper form 若以文本形式遞交表格1)

Signature of Inspection Officer:

巡查人員簽署:



Tree Risk Assessment Form 1: Tree Group Inspection
樹木風險評估表格1: 樹群檢查表

General Information 基本資料

Form 1 Ref. No.: 表格1編號:	CIC	2024	000-0273-9
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Dept. / Agency 部門 / 機構:	CIC	Inspection Officer 巡查人員:	Luk Ying Pui	Post 職位:	Arborist
Project / Contract No. 工程 / 合約編號:	(378) in P/AE/PUR/TDTC			File Ref. 檔案編號:	LTTG_2024-2025_Zone B
Date of Inspection 巡查日期:	27/02/2025 (dd/mm/yyyy)	Last Inspection Date: 上次巡查日期:	13/04/2024 (dd/mm/yyyy)	Inspection Frequency: 巡查週期:	12 month

Location Information 位置資料

Masterzone Ref. 主區編號:	Tuen Mun	Subzone Ref. 副區編號:	Lam Tei		
Location (English): 地點 (英文):	Wong Kong Wai Road under the Kong Sham Western Highway, Lam Tei, Tuen Mun, New Territories, Hong Kong	Location (Chinese): 地點 (中文):	香港新界屯門藍地港深西部通道下黃崗圍路	District: 地區:	Tuen Mun 屯門區

Tree Risk Management Zone 樹木風險管理地區類別: Category I 第一類

Location Types 地點類別: (multiple selections allowed 可選多於一項)	<input type="checkbox"/> Roadside landscaped area 路旁綠化地區 <input type="checkbox"/> Public park/recreation venue 公園/康樂場地 <input type="checkbox"/> Planter box 花盆 <input type="checkbox"/> Tree pit 樹穴 <input type="checkbox"/> Housing estate 屋邨 <input type="checkbox"/> Central divider 中央分隔帶 <input checked="" type="checkbox"/> Others (please specify) 其他 (請說明): Construction Industry Council	<input type="checkbox"/> Government compound 政府建築物 <input type="checkbox"/> Unleased/allocated government land 未批租/未撥用的政府土地 <input type="checkbox"/> Recreational site/facility inside country park 郊野公園內康樂用地或設施 <input type="checkbox"/> SIMAR slopes 系統性鑑辨維修責任的斜坡 <input type="checkbox"/> SIMAR slope ref: <input type="text"/>
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Nearest lamp pole number 最近的燈柱編號:

Tree Information 樹木基本資料

The size of a tree group should be defined by location types, such as public park, SIMAR slopes, tree pits, etc. with due consideration given to the limitations of visual tree assessment. No more than 50 trees shall be included in a Tree Group.

在決定樹群的大小時，應參照地點類別，如公園、系統性鑑辨維修責任的斜坡、樹穴等，並需考慮目測法的局限，每個樹群不可多於50棵樹。

(A) Triage Trees and Trees Require Remedial Actions or Form 2 Assessment

分流樹木及需要進行緩減措施 / 表格 2 評估的樹木

TMCP Tree ID 樹木編號	Dept. Tree ID 部門樹木編號	Tree Species 樹種	DBH (mm) 胸徑 (毫米)	Estimated Tree Height (m) 大約樹高 (米)	Estimated Crown Spread (m) 大約樹冠闊度 (米)	Tree Status 樹木類別	Overall Tree Conditions 整體樹木狀況	Triage Colour 分流顏色	Remedial Action / Form 2 Assessment 緩減措施 / 表格2評估	Anticipated Completion Date 預計完成日期 (dd/mm/yyyy)	Reference Coordinates of Tree 樹木參考座標	
											東 X	北 Y
	T33	Leucaena leucocephala 銀合歡	200.00	4.00	1.00	Other Trees	Poor	NIL	Remove the whole tree	26/05/2025	817009.000	831106.000
	T127	Ficus virens (syn. Ficus virens var. sublancolata) 大葉榕(黃葛樹)	200.00	9.00	6.00	Large Tree	Fair	Orange	Others: Keep monitoring	26/05/2025	817009.000	831132.000

(B) Other Trees (Non-Triage Trees - trees do not need further actions)

其他樹木 (非分流樹木 - 無需進一步行動的樹木)

Tree Species 樹種	App. Quantity of Trees 大約樹木數量	Range of Tree Height 樹高範圍		Overall Tree Conditions 整體樹木狀況
		From (m) 由 (米)	To (m) 至 (米)	
Ficus variegata (syn. Ficus variegata var. chlorocarpa) 青果榕	11	6	8	Fair
Acacia confusa 台灣相思	1	8	8	Fair
Bauhinia purpurea 紅花羊蹄甲	1	8	8	Fair
Broussonetia papyrifera 構樹(穀木)	6	6	8	Fair
Albizia lebeckii 大葉合歡	1	8	8	Fair
Ficus religiosa 菩提樹	5	6	8	Fair

Overall Remarks 整體評語

The overall condition of the trees was fair at the time of inspection, except LL with mitigation measures.

Leucaena leucocephala T33 was recommended whole tree removal in last year annual inspection on April 2024. Suggestion of whole tree removal for this tree is maintained. Re-inspection within 12 months according to the TRAM requirement.

Sub-total No. of Trees in Table (A): (A) 表樹木數量小結:	2	Sub-total No. of Trees in Table (B): (B) 表樹木數量小結:	25	Total No. of Trees (A + B): 樹木總數 (A + B):	27
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Summary of TRIAGE Trees 分流樹木總結

Black 黑	0	Red 紅	0	Orange 橙	1	Yellow 黃	0	No Triage colour 無	26
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Attached Information 附夾資料

Attachment Type	Attachment File Name	Description
PHOTO 照片	N/A	Tree Photo_HKIC - Lam Tei Training Ground_Zone B
PHOTO 照片	N/A	Tree Group_HKIC - Lam Tei Training Ground_Zone B
MAP 地圖	N/A	HKIC - Lam Tei Training Ground_Zone B_map

Declaration 聲明

I, the Inspection Officer for the above TRA Form 1, confirm that I have inspected the tree group(s) at the specified date with due diligence, and the information given in the Form(s) is truly reflecting what I observed on site.

本人作為以上樹群檢查表格1的巡查人員，確認本人已在本表格所列日期，謹慎小心完成有關樹群的檢查，而本表格上填入的資料均真確無訛地反映本人在現場觀察所得。

My academic, professional, training records and work experience met the requirements of Inspection Officer specified in the TRAM Guidelines.

本人的學術、專業、培訓紀錄及相關工作經驗均符合「樹木風險評估及管理安排」指引中對巡查人員的要求。

Name of Inspection Officer:

Luk Ying Pui

巡查人員姓名

(請以英文正楷書寫)

(If more than one Inspection Officer involved in the same Tree Group Inspection, each Inspection Officer should submit individual Form 1 containing the trees inspected by him/her. 如多於一位巡查人員負責同一樹群檢查，個別巡查人員應將其檢查的樹木以另一表格1填報。)

Date of Form Completion:

12/03/2025

完成表格日期

(dd/mm/yyyy)

(If Form 1 is submitted in paper form 若以文本形式遞交表格1)

Signature of Inspection Officer:

巡查人員簽署：

PKA

Contract No.: (378) in P/AE/PUR/TDTC
Annual Inspection Report (2024 – 2025) for
Lam Tei Training Ground (LTTG)

Appendix II – Tree Photo Record

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – General View (2024 – 2025)

Location: Lam Tei Training Ground_Zone A

Tree Group of Lam Tei Training Ground_Zone A



General View (1)



General View (2)



General View (3)



General View (4)

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – General View (2024 – 2025)

Location: Lam Tei Training Ground_Zone A

Tree Group of Lam Tei Training Ground_Zone A



General View (5)



General View (6)



General View (7)



General View (8)

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – General View (2024 – 2025)

Location: Lam Tei Training Ground_Zone A

Tree Group of Lam Tei Training Ground_Zone A



General View (9)



General View (10)



General View (11)



General View (12)

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – General View (2024 – 2025)

Location: Lam Tei Training Ground_Zone A

Tree Group of Lam Tei Training Ground_Zone A



General View (13)



General View (14)



General View (15)



General View (16)

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – General View (2024 – 2025)

Location: Lam Tei Training Ground_Zone B

Tree Group of Lam Tei Training Ground_Zone B



General View (1)



General View (2)



General View (3)



General View (4)

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – General View (2024 – 2025)

Location: Lam Tei Training Ground_Zone B

Tree Group of Lam Tei Training Ground_Zone B



General View (5)



General View (6)



General View (7)



General View (8)

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – General View (2024 – 2025)

Location: Lam Tei Training Ground_Zone B

Tree Group of Lam Tei Training Ground_Zone B



General View (9)



General View (10)



General View (11)



General View (12)

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – General View (2024 – 2025)

Location: Lam Tei Training Ground_Zone B

Tree Group of Lam Tei Training Ground_Zone B



General View (13)



General View (14)



General View (15)



General View (16)

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone A

Tree Photo of Lam Tei Training Ground _Zone A



T01



T03



T67



T68

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone A

Tree Photo of Lam Tei Training Ground _Zone A



T75



T77



T78



T80

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone A

Tree Photo of Lam Tei Training Ground _Zone A



T81



T82



T83



T85

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone A

Tree Photo of Lam Tei Training Ground _Zone A



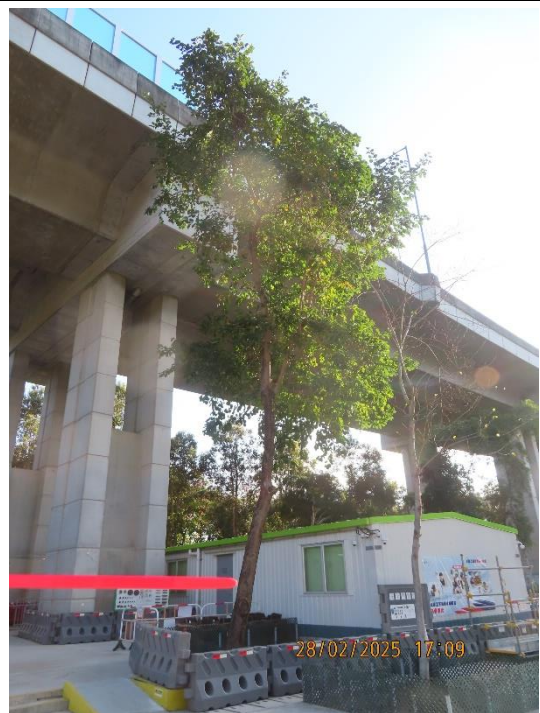
T86



T87



T89



T90

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone A

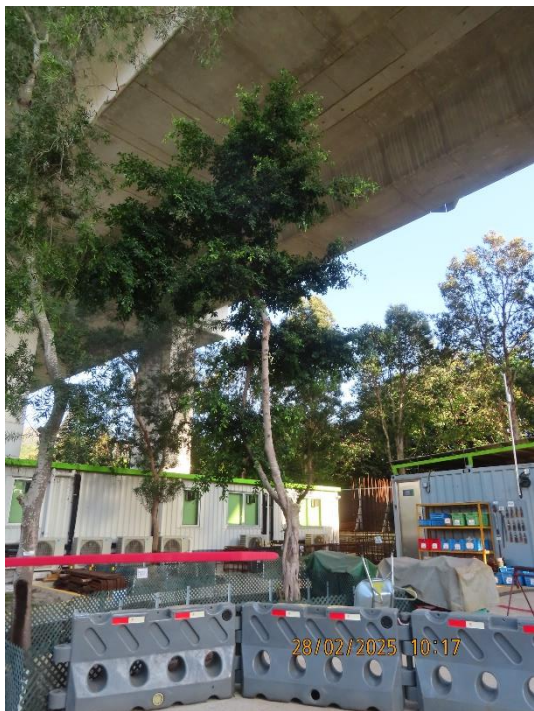
Tree Photo of Lam Tei Training Ground _Zone A



T93



T94



T95



T96

駿景綠化有限公司

C.K Green Co. Limited

Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone A

Tree Photo of Lam Tei Training Ground _Zone A



T97



T99



T101



T102

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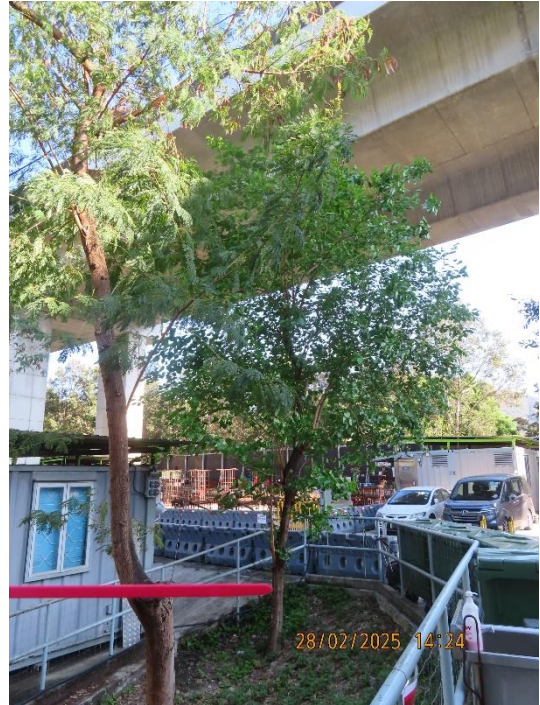
Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone A

Tree Photo of Lam Tei Training Ground _Zone A



T105



T106



T108



T109

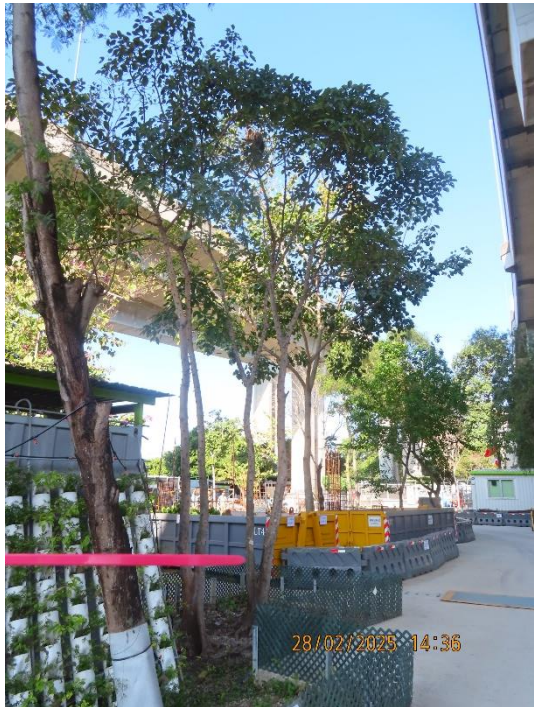
駿景綠化有限公司

C.K Green Co. Limited

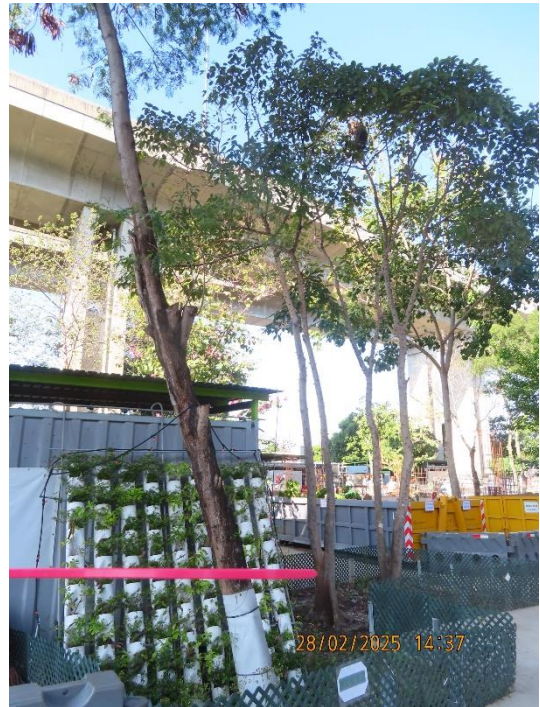
Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone A

Tree Photo of Lam Tei Training Ground _Zone A



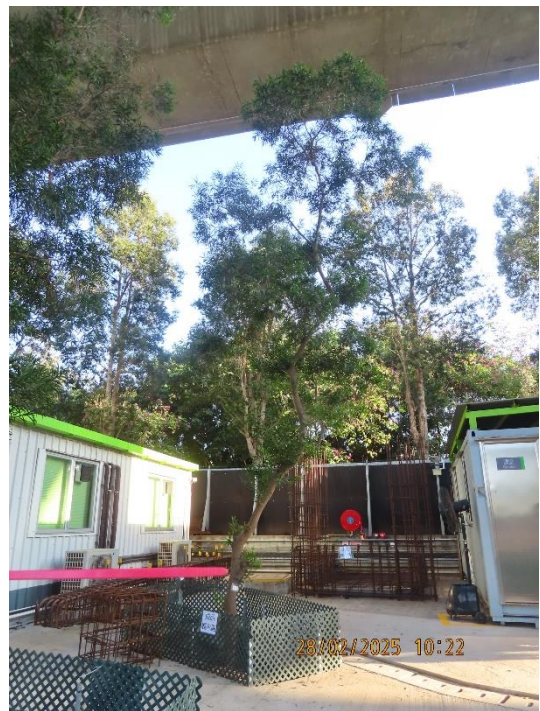
T110



T111



T112



T113

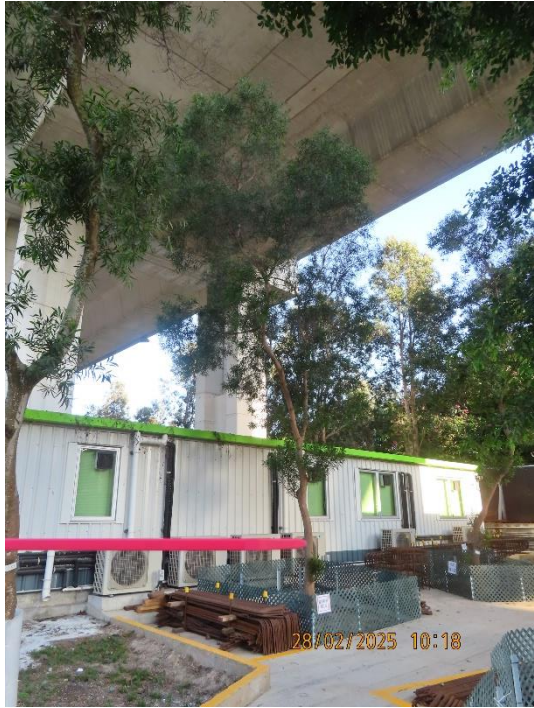
駿景綠化有限公司

C.K Green Co. Limited

Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone A

Tree Photo of Lam Tei Training Ground _Zone A



T114



T122

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C.K Green Co. Limited

Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone B

Tree Photo of Lam Tei Training Ground _Zone B



T27



T28



T29



T30

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C.K Green Co. Limited

Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone B

Tree Photo of Lam Tei Training Ground _Zone B



T30A



T31



T32



T33

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Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone B

Tree Photo of Lam Tei Training Ground _Zone B



T34



T35



T36



T37

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C.K Green Co. Limited

Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone B

Tree Photo of Lam Tei Training Ground _Zone B



T46



T46A



T46B



T46C

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C.K Green Co. Limited

Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone B

Tree Photo of Lam Tei Training Ground _Zone B



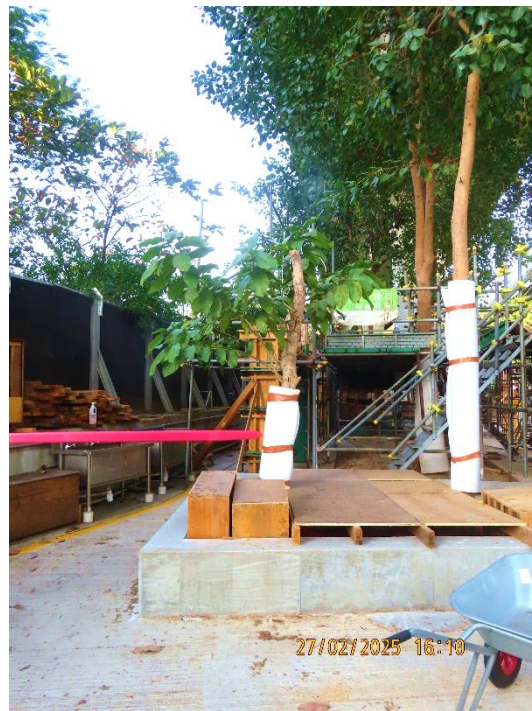
T46D



T46E



T46F



T56

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Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone B

Tree Photo of Lam Tei Training Ground _Zone B



T57



T60



T61



T63

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Form 1 – Individual Tree Photos (2024 – 2025)

Location: Lam Tei Training Ground _Zone B

Tree Photo of Lam Tei Training Ground _Zone B



T65



T66



T127

FIRE SERVICES NOTES :

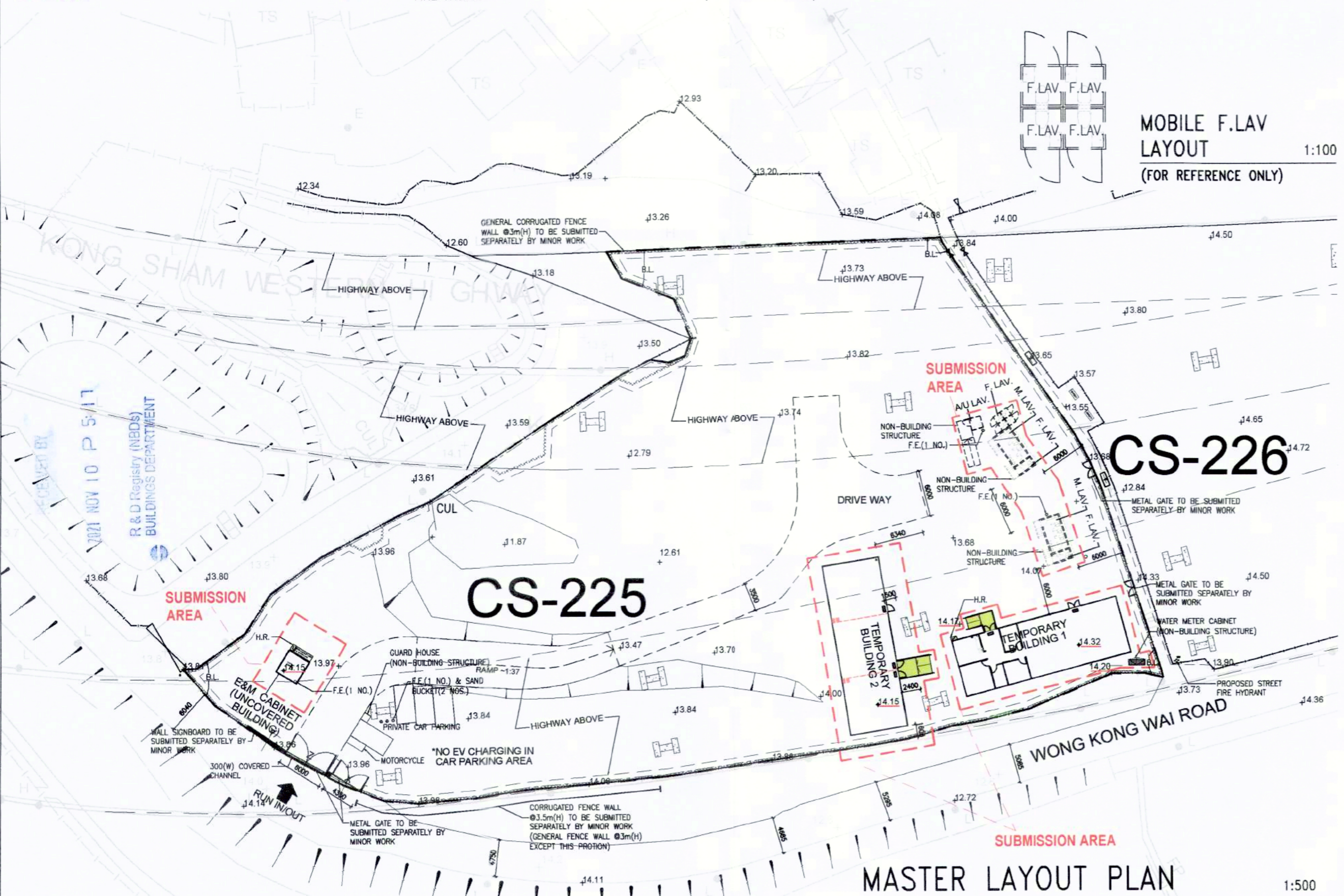
- AUDIO/VISUAL ADVISORY SYSTEM WILL NOT BE PROVIDED AS ANY ONE SINGLE OCCUPANCY ON ANY ONE FLOOR WITH AREA DOES NOT EXCEED 2000sq.m.
- EMERGENCY LIGHTING SHALL BE BACKED UP BY SELF-CONTAINED BATTERY TO BE PROVIDED THROUGHOUT THE BUILDING AND ALL EXIT ROUTES LEADING TO OPEN AREA IN ACCORDANCE WITH BS 5266:PART 1:2011 AND BS EN 1838:2013 AND FSD COP APRIL 2012.
- SUFFICIENT DIRECTIONAL AND EXIT SIGN TO BE PROVIDED TO INDICATE ALL EXIT ROUTE FROM ANY AREA WITHIN THE BUILDING ARE CLEARLY INDICATED AS REQUIRED BY THE CONFIGURATION OF STAIRCASES SERVING THE BUILDING. THESE SIGNS SHALL BE CONNECTED TO BOTH MAIN POWER SUPPLY AND SHALL BE PROVIDED WITH BATTERY IN ACCORDANCE WITH BS 5266-1 : 2001.
- A FIRE DETECTION AND ALARM SYSTEM TO BE PROVIDED IN ACCORDANCE WITH THE LPC RULES FOR AUTOMATIC FIRE DETECTION AND ALARM INSTALLATIONS AND BS 5839 : PART 1 : 2002 + A2 : 2008 AND FSD CIRCULAR LETTER 1/2009 AND 3/2010.
 - ALL FIRE DETECTION AND ALARM SIGNAL WILL BE CONNECTED TO MAIN FIRE ANNUNCIATOR PANEL INSIDE OPEN OFFICE AT TEMPORARY BUILDING 1 AND NO REPEATER PANEL WILL BE PROVIDED.
 - MOBILE PHONE AND 24/7 DUTY FULL TIME ON SITE STAFF AT GUARD HOUSE AND NO DIRECT LINK WILL BE PROVIDED.
 - VISUAL FIRE ALARM SYSTEM TO BE PROVIDED IN ACCORDANCE WITH DESIGN MANUAL OF BARRIER FREE ACCESS 2008, FSD CIRCULAR LETTER 2/2012 AND B.S. 5839: PART 1: 1989 CLAUSE 9.7.
 - HEAT DETECTION SYSTEM SHALL BE PROVIDED FOR ALL E&M CABINET EXCEPT PIPE DUCT AND ELV DUCT.
- HOSE REEL SYSTEM TO BE PROVIDED TO SUIT THE BUILDING IN ACCORDANCE WITH THE CODE OF PRACTICE FOR MINIMUM FIRE SERVICES, INSTALLATIONS AND EQUIPMENT AND FSD CIRCULAR LETTER 2/2013.
 - HOSE REELS TO BE PROVIDED TO ENSURE THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30m OF THE HOSE REEL TUBING.
 - 1 NOS. 2,000LITRES F.S. WATER TANK IS LOCATED AT THE E&M CABINET WILL BE USED TO SERVE HOSE REEL IN THE BUILDING.
 - A MANUALLY OPERATED FIRE ALARM SYSTEM TO BE PROVIDED FOR THE BUILDING.
 - ONE ACTUATING POINT OF MANUALLY OPERATED FIRE ALARM SYSTEM TO BE PROVIDED AT EACH HOSE REEL POINT. WHEN THE ACTUATING POINT IS ACTIVATED, THE FIXED FIRE PUMP(DUTY/STANDBY) SHALL START AND THE AUDIO/VISUAL FIRE ALARM SHALL BE ACTIVATED AUTOMATICALLY.
- PORTABLE FIRE EXTINGUISHERS TO BE PROVIDED AT ALL E/M PLANTS ROOMS AND AS INDICATED ON PLANS.
- AUTOMATIC SPRINKLER SYSTEM WILL NOT BE PROVIDED FOR THE BUILDING AS ALL PARTS OF EACH BUILDING WITH TOTAL FLOOR AREAS NOT EXCEEDING 230M.
- EMERGENCY GENERATOR WILL NOT BE PROVIDED. THE SECONDARY ELECTRICITY SUPPLY TO BE TEE-OFF BEFORE THE INCOMING MAIN SWITCH TO SUPPLY ESSENTIAL POWER FOR ALL FIRE SERVICE INSTALLATION
- ELECTRICITY SUPPLY FOR FIRE SERVICES INSTALLATION WILL COMPLY WITH PART IX OF F.S.D. CIRCULAR LETTER 4/96.
- NO PROVISION OF CENTRALIZED VENTILATION/ AIR CONDITIONING CONTROL SYSTEM.
- NEW STREET FIRE HYDRANT SHOULD BE PROVIDED WITHIN DISTANCES OF 100 METERS AT EVA AND COMPLIED WITH FSD CODES OF PRACTICE APRIL 2012 AND COMPLETION IN USE BEFORE T.O.P. ISSUED BY B.D.
- THE WATER SUPPLY FOR STREET FIRE HYDRANT SYSTEM TO BE DIRECTLY FED FROM TOWN MAINS TO PROVIDE A TOTAL OUTPUT OF NOT LESS THAN 4000 L/MIN FROM ANY ONE STREET FIRE HYDRANT WITH A MINIMUM RUNNING PRESSURE OF 170KPA.

GENERAL NOTES :

- ALL ELEMENTS OF ROOF SYSTEM & WALL CLADDING TO BE NON-COMBUSTIBLE MATERIAL.
- ALL DIMENSIONS SHOWN IN ALL DRAWINGS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
- ALL LEVELS SHOWN ARE IN METER ABOVE P.D.
- ALL STRUCTURAL CALCULATIONS & DRAWINGS SHALL BE SUBMITTED SEPARATELY.
- FIRE SERVICES DEPARTMENT REQUIREMENTS TO BE FULLY COMPLIED WITH.
- MOBILE TOILETS TO BE PROVIDED FOR SANITARY FITMENT PROVISION.
- NO FOUL WATER WOULD BE DISCHARGED INTO EXITING DRAIN.

LEGEND FOR MASTER LAYOUT PLAN :

- METAL FENCE @ 3.5m(H)
- TEMPORARY BUILDING
- SUBMISSION AREA
- 4.5kg CO₂ F.E.
- STRUCTURE OF HIGHWAY
- METAL FENCE @ 3m(H)
- PROPOSED STREET FIRE HYDRANT
- MOBILE CABINET (NOT FOR APPROVAL)
- SAND BUCKET



FIRE RESISTANCE REQUIREMENT FOR ELEMENT OF CONSTRUCTION

LOCATION	USE	CLASS	COMPARTMENT OF BUILDING AREA (S.M.)	F.R.R. (mins.)	MIN. DIMENSION FOR ELEMENT OF CONSTRUCTION							
					THICKNESS				COVER TO STEEL			
					R.C. COLUMN	R.C. SLAB	R.C. BEAM	R.C. WALL	R.C. COLUMN	R.C. SLAB	R.C. BEAM	R.C. WALL
G/F	OFFICE	4a	166.5	60	200	100	200	75	25	20	80	15
G/F	MULTI PURPOSE ROOM	4a	166.5	60	200	100	200	75	25	20	80	15

NOTE : ALL STRUCTURAL STEEL MEMBERS TO PROVIDE WITH 1 HOUR FRR COATING.

PROVISION OF EXIT DOOR & EXIT ROUTE FROM ROOM OR STOREY

LOCATION	UFA (S.M.)	FACTOR	CAPACITY OF STOREY	MINIMUM NO. OF EXIT DOOR FROM ROOM OR EXIT ROUTE FROM STOREY	MINIMUM TOTAL WIDTH OF EXIT DOOR				MINIMUM WIDTH OF EACH EXIT ROUTE					
					REQ.		PRO.		REQ.		PRO.			
					REQ.	PRO.	REQ.	PRO.	REQ.	PRO.				
G/F	TEMP. BUILDING 1	148.234	9	17	1	2	-	3000	-	3000	750	1500	1050	1050
G/F	TEMP. BUILDING 2	162.362	9	19	1	3	-	2700	-	3150	750	900	1050	1050

PROVISION OF SANITARY FITMENTS

LOCATION	TOTAL NO. OF PERSON	NO. OF PERSON	SANITARY FITMENTS REQUIRED			SANITARY FITMENTS PROVIDED			ACCESS LAV.	REMARKS	
			WC	BASIN	URINAL	WC	BASIN	URINAL			
			REQ.	PRO.	REQ.	PRO.	REQ.	PRO.			
G/F	420 / 2 = 210p (UNDER PLANNING DEPARTMENT APPROVAL)	210	M = 105 F = 105	5 5	5 5	3 3	6 6	6 6	4 4	1 1	ALL SANITARY FITMENTS PROVISION BY MOBILE TOILET

MECHANICAL VENTILATION & ARTIFICIAL LIGHTING :

AREA REQUIRED MECHANICAL VENTILATION & ARTIFICIAL LIGHTING SHALL FULFILL THE FOLLOWING CRITERIA: ARTIFICIAL LIGHTING AND MECHANICAL VENTILATION (OR MECHANICAL VENTILATION IN THE FORM OF CENTRAL AIR-CONDITIONING*) AT A RATE OF AIR PER HOUR TO BE PROVIDED TO THE SATISFACTION OF THE BUILDING AUTHORITY. (THE AIR EXHAUSTED FROM TOILETS MAY BE COMPENSATED BY AIR SUPPLIED THROUGH ADJACENT AREAS. HOWEVER, THE MECHANICAL EXHAUSTED SHOULD NOT BE RE-CIRCULATED.)

THE FRESH AIR INTAKE SHOULD BE PLACED WHERE THE AIR IS FREE FROM CONTAMINATION OR ODOUR. THE LOCATION OF FRESH AIR INTAKE SHOULD MEET THE FOLLOWING REQUIREMENTS:

- IT SHOULD NOT BE LOCATED WITHIN 5m FROM OTHER SOURCES OF CONTAMINATION SUCH AS EXHAUST OUTLETS OF THE BUILDING OR ADJACENT BUILDINGS, TRAFFIC, CAR PARKS, UNLOADING BAYS, REFUSE CHUTES/ REFUSE ROOMS, EVAPORATIVE COOLING TOWERS, EMERGENCY GENERATORS, PLUMBING VENTS, KITCHENS & TOILETS;
- IT SHOULD NOT BE LOCATED BELOW GROUND LEVEL OR CLOSE TO COOLING TOWER;
- IT SHOULD FACE AWAY FROM POTENTIAL POLLUTION SOURCES; AND
- IT SHOULD BE PROTECTED FROM RAIN ENTRAINMENT, AND COVERED BY A SCREEN TO PREVENT THE ENTRY OF BIRDS, AND EXTRANEOUS ARTICLES.

LEGEND FOR TEMP. BUILDING PLAN :

- WILD WILLOW = PLASTER OR CEMENT RENDERING
- WITCH HAZE = CONCRETE SLAB (LIGHTER WASH)
- CHEESE = LIGHTWEIGHT PARTITION (e.g. NON-FRR DRYWALL)
- CHEESE = LIGHTWEIGHT PARTITION (e.g. FRR -/60/60 DRYWALL)
- ELECTRIC BLUE = GLASS
- MUESLI = TIMBER
- HELIOTROPE = METALWORK OR STEEL

DOOR MARK :

(D1) METAL DOOR

ABBREVIATIONS :

- B.L. = BOUNDARY LINE
- H.R. = HOSE REEL
- W.W.C. = WATER METER CABINET
- A/U LAV. = ACCESSIBLE UNISEX LAVATORY
- F.E. = 4.5KG CO₂ FIRE EXTINGUISHER
- F.S. = FIRE SERVICES

DEVELOPMENT SCHEDULE

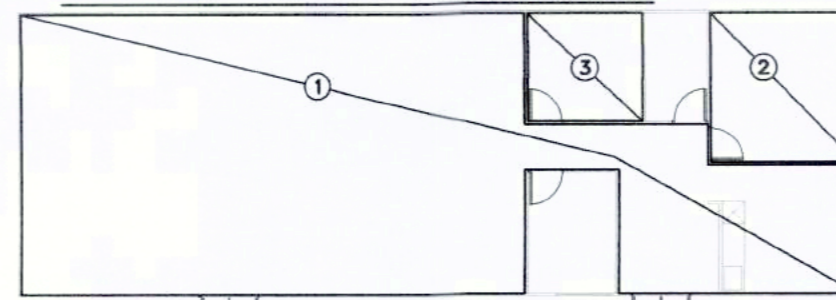
- LOCATION & LOT NO. : SIT NO. MX 18030 (CS-225)
- SITE AREA : CS-225 : 5650 S.M. (& CS-226 : 4650 S.M.)
TOTAL SITE AREA = 10300 S.M. OF SIT APPROVED AREA)
- CLASS : A
- HEIGHT OF BUILDING : 3.3m (TPD PG-NO. 36B - CLASS A AMENDMENTS)

BLOCK	NO. OF STOREYS	PROPOSED HEIGHT OF BUILDING	HEIGHT RESTRICTIONS UNDER OZP	SPECIAL CONDITION REFERRED
8	1	3.3m (UNDER TPD PG-NO. 36B) (CLASS A AMENDMENT)	NOT SPECIFY	NIL

ACCOMMODATION	PROPOSED	REQUIRED/PERMITTED UNDER THE LEASE	SPECIAL CONDITION REFERRED
1 USAGE	COMMERCIAL	NIL	NIL
2 GROSS FLOOR AREA	401.91 S.M.	NIL	NIL
3 SITE COVERAGE	7.113%	NIL	NIL
4 D.D.CLAUSE	NIL	NIL	NIL
5 CARPARK	4 NOS.	NIL	NIL
6 LOADING / UNLOADING SPACES	NIL	NIL	NIL
7 INGRESS & EGRESS	NIL	NIL	NIL
8 CARETAKER'S OFFICE ACCOMMODATION - QUARTERS	NIL	NIL	NIL
9 RECREATIONAL	NIL	NIL	NIL
10 NON-BUILDING AREA	NIL	NIL	NIL
11 FORMATION AREA (GREEN, YELLOW, ETC.)	NIL	NIL	NIL
12 TREE PRESERVATION	NIL	NIL	NIL
13 LANDSCAPING	NIL	NIL	NIL
14 OTHER SPECIAL REQUIREMENTS UNDER LEASE	NIL	NIL	NIL
15 NON-BUILDING AREA (FROM GROUND TO A HEIGHT OF 15M)	NIL	NIL	NIL

- IN COMPLIANCE WITH THE MASTER LAYOUT PLAN APPROVED ON 4 MAY 2021 (IF APPLICABLE).
- DATE OF LAST SUBMISSION ON 4 MARCH 2021 (IF APPLICABLE).
- PRESCRIBED WINDOW & FIRE ACCESS REQUIREMENTS - CHECKED AND COMPLIED WITH.

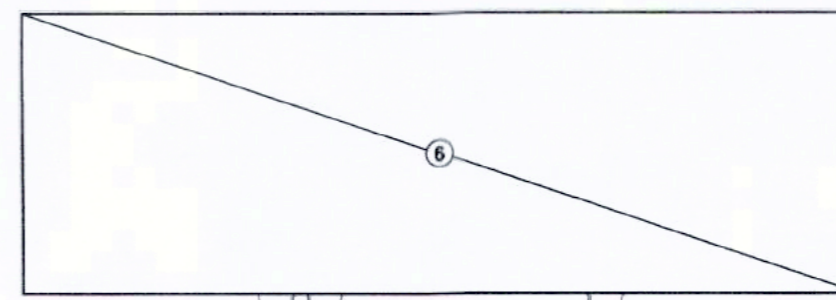
U.F.A. CALCULATIONS



G/F (OFFICE) - U.F.A. CALCULATION

- U.F.A. (NON-DOMESTIC)
- ① OPEN OFFICE = 124.527 S.M.
 - ② CONFERENCE ROOM = 15.071 S.M.
 - ③ COUNCILING ROOM = 8.636 S.M.
 - TOTAL = 148.234 S.M.

TEMPORARY BUILDING 1 - U.F.A. DIAGRAM

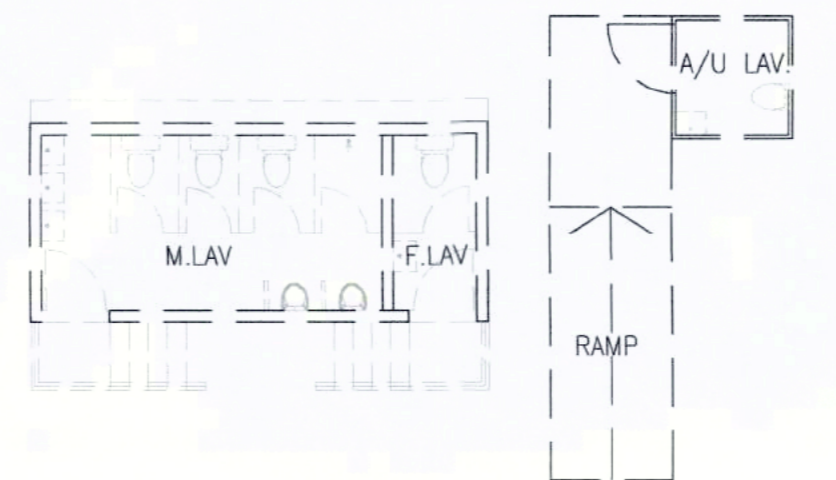


G/F (MULTI-PURPOSE ROOM) U.F.A. CALCULATION

- U.F.A. (NON-DOMESTIC)
- ⑥ MULTI-PURPOSE ROOM = 162.362 S.M.

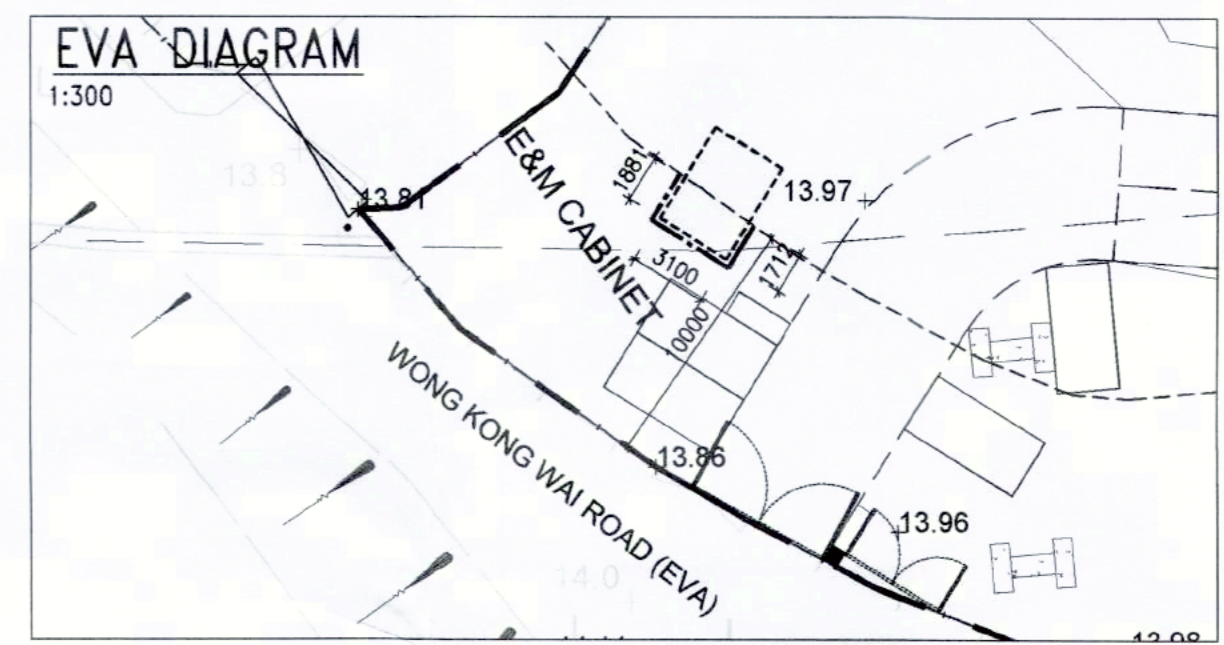
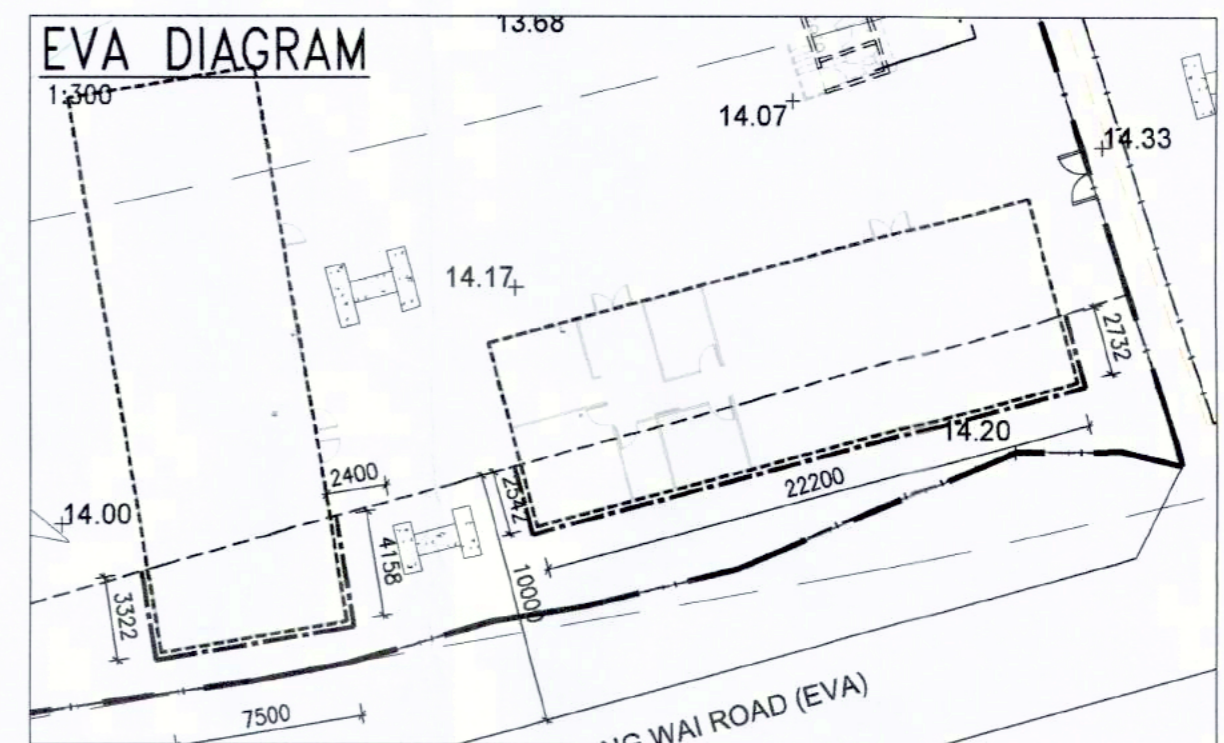
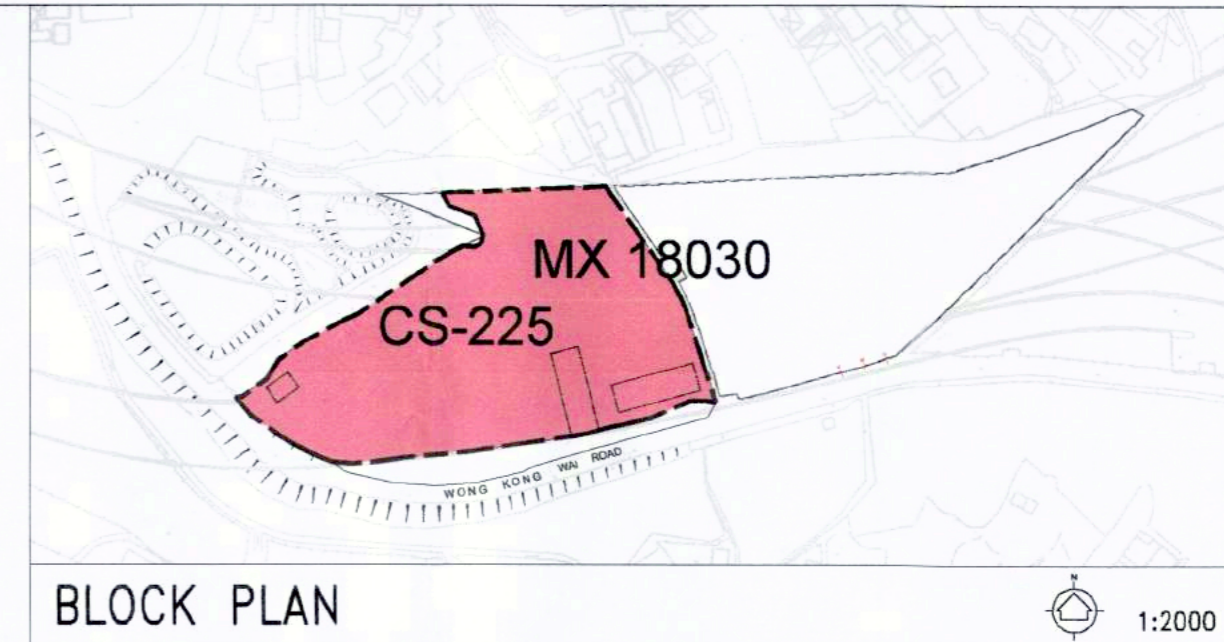
NON-DOMESTIC U.F.A. OF G/F = 162.362 S.M.

TEMPORARY BUILDING 2 - U.F.A. DIAGRAM



MOBILE M.LAV & F.LAV LAYOUT 1:100 (FOR REFERENCE ONLY)

MOBILE A/U LAV. LAYOUT 1:100 (FOR REFERENCE ONLY)



CALCULATION OF MAJOR BUILDING FACADE SERVED BY EVA :

REVISION	DESCRIPTION	DATE
D	GBP 2ND AMENDMENT	08/11/2021
C	GBP 1ST AMENDMENT	31/08/2021
B	GBP RE-SUBMISSION	04/03/2021
A	GBP RE-SUBMISSION	05/02/2021
-	GBP SUBMISSION	03/12/2020

TEMPORARY BUILDING 1 - OFFICE
TOTAL LENGTH OF BUILDING FACADE: 7.5m+22.2m+7.5m+22.2m = 59.4m
TOTAL LENGTH OF BUILDING FACADE SERVED BY EVA: 2.542m+22.2m+2.732m = 27.474m
PERCENTAGE OF BUILDING FACADE SERVED BY EVA: 27.474m/59.4m x 100% = 46.25% > 25% (MINIMUM REQUIRED)

TEMPORARY BUILDING 2 - MULTI-PURPOSE ROOM :
TOTAL LENGTH OF BUILDING FACADE: 7.5m+22.2m+7.5m+22.2m = 59.4m
TOTAL LENGTH OF BUILDING FACADE SERVED BY EVA: 3.322m+7.5m+4.158m = 14.980m
PERCENTAGE OF BUILDING FACADE SERVED BY EVA: 14.980m/59.4m x 100% = 25.219% > 25% (MINIMUM REQUIRED)

E&M CABINETS
TOTAL LENGTH OF BUILDING FACADE: 3.1m+4.2m+3.1m+4.2m = 14.6m
TOTAL LENGTH OF BUILDING FACADE SERVED BY EVA: 1.881m+3.1m+1.712m = 6.693m
PERCENTAGE OF BUILDING FACADE SERVED BY EVA: 6.69m/14.6m x 100% = 45.852% > 25% (MINIMUM REQUIRED)

NOTES FOR E.V.A. :

- THE EVA SHOULD BE CAPABLE OF RESIST THE WEIGHT OF THE FIRE APPLIANCE 30,000kg.
- IF THERE IS ANY OVERHEAD STRUCTURE OVER ANY PART OF THE E.V.A, A CLEAR HEADROOM OF NOT LESS THAN 4.5m SHOULD BE MAINTAINED.
- NO PART OF THE GRADIENT OF THE EVA SHOULD BE STEEPER THAN 1:10.
- NO PART OF THE WIDTH THROUGHOUT THIS E.V.A. SHOULD BE LESS THAN 4.5 METERS WIDE.
- THE E.V.A. SHOULD BE HARD-PAVED.
- STREET HYDRANT POINTS SHOULD BE PROVIDED WITHIN DISTANCE OF 100 METERS AT E.V.A.

U.D. Ref. : 2/916/20(18)
F.S.D. Ref. : 8/31456

NOTES :
Check all measurement on site. Do not scale off drawings.
This drawing to be read in conjunction with the specification and other related drawings. Any discrepancies are to be immediately reported to the Architect.
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DEVELOPER-
HONG KONG INSTITUTE OF CONSTRUCTION

ARCHITECT/ DESIGNER -
A LEAD architects Ltd.
領建建築師事務所有限公司

STRUCTURAL & GEOTECHNICAL CONSULTANT -
Kewisk Engineering & Consulting Co Limited

MEP CONSULTANT -
PineBridge Consulting Limited

Revision Description Date

AUTHORIZED PERSON (LIST A):
MOCK CHI-KIN

Project :
Proposed Training Ground for Construction Industry Council on Government Land (SIT No. MX 18030 : CS-225) underneath Kong Sham Western Highway off Wong Kong Wai Road, Tuen Mun

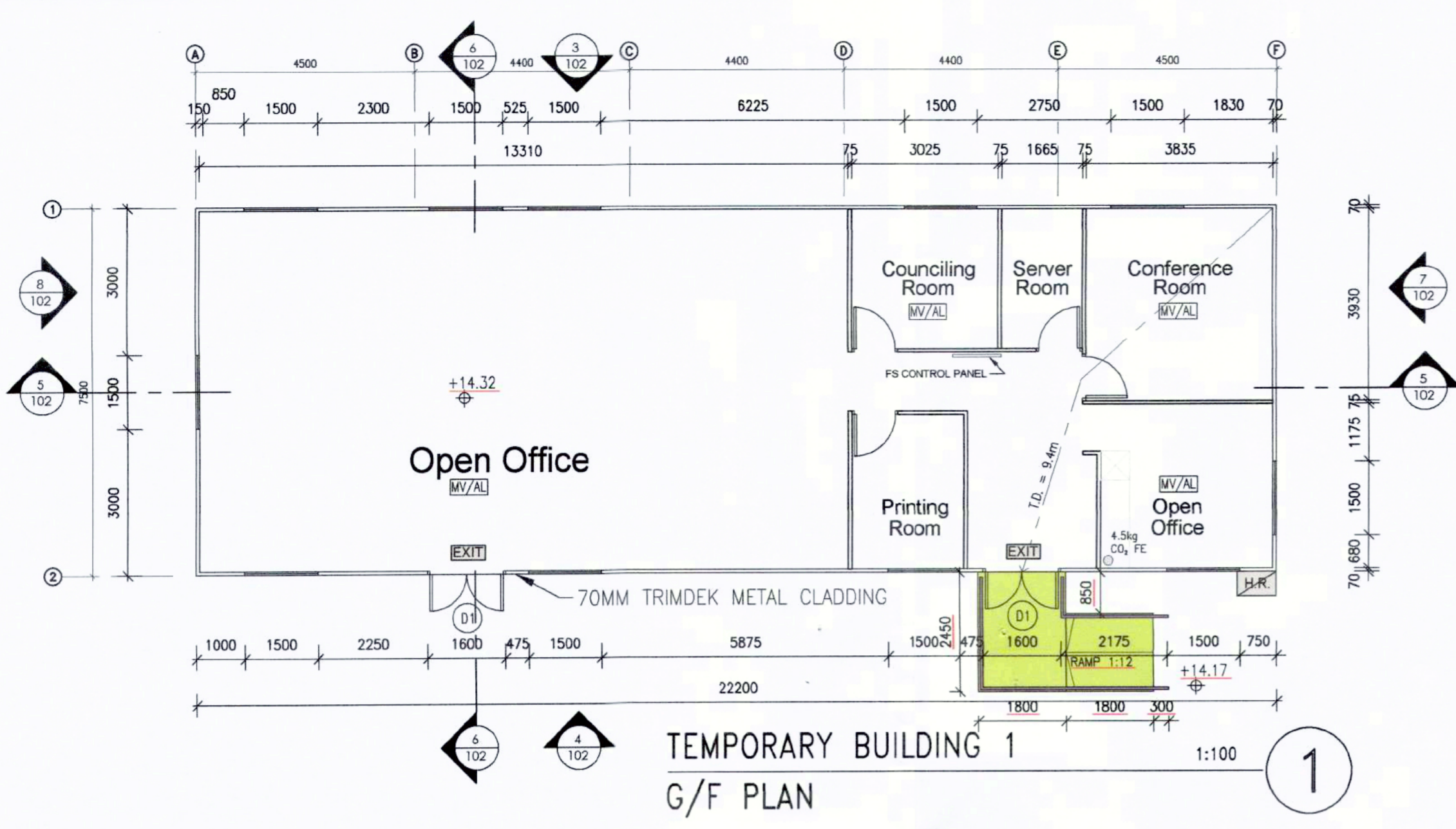
Job No. : H-20003 (A)

Drawing Title :
GENERAL & F.S. NOTES, BLOCK PLAN, LEGEND, MASTER LAYOUT PLAN, SCHEDULE & U.F.A. CALCULATIONS

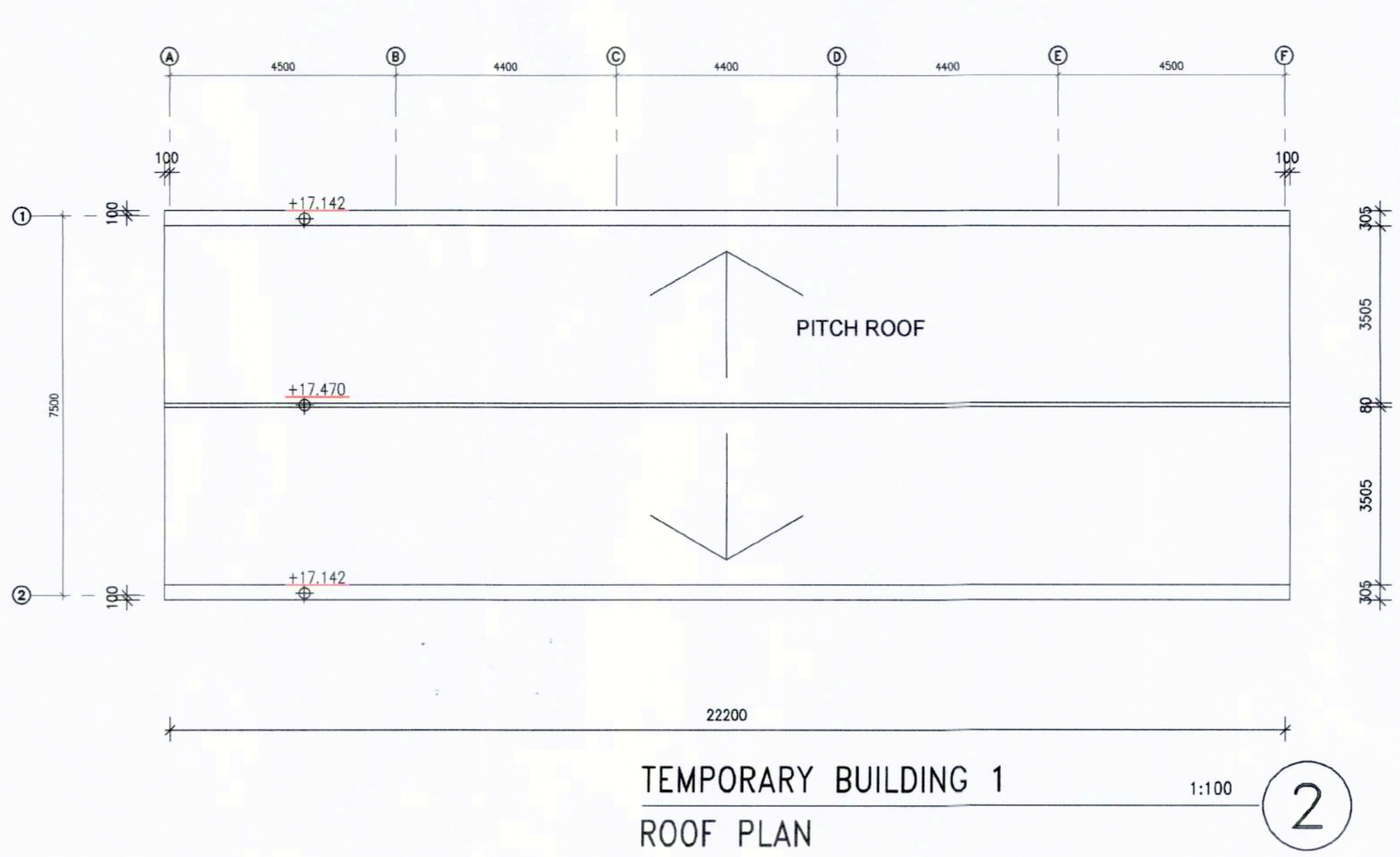
Drawn by : SY Design : ET
Checked by : WU Authorized : ET
Scale 0A1 : AS SHOWN Issue Date : DECEMBER 2020
Status :

Authority's Approval :
Plan Approved
TANG Kin-shing
Senior Building Surveyor
for BUILDING AUTHORITY
08 DEC 2021

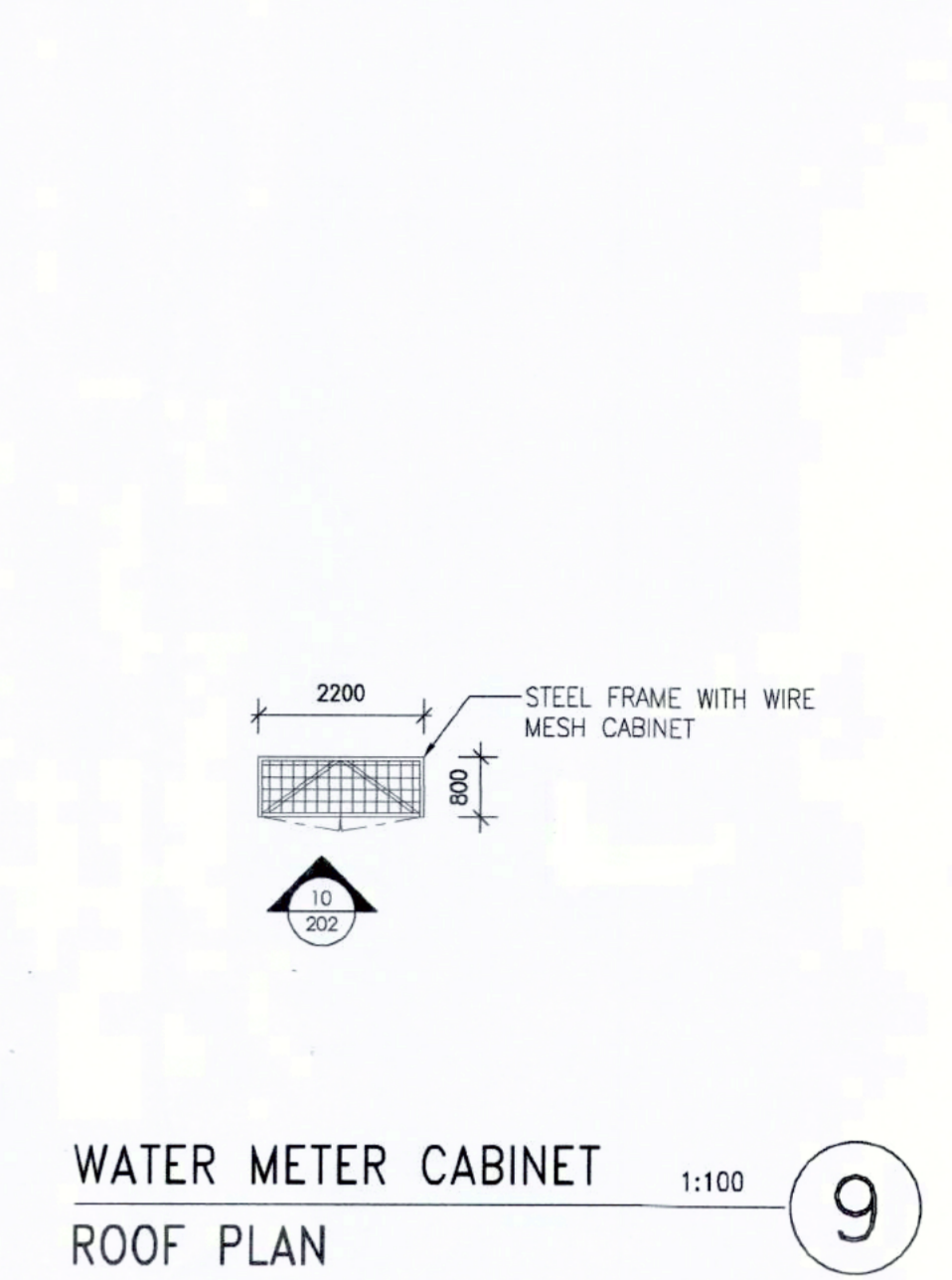
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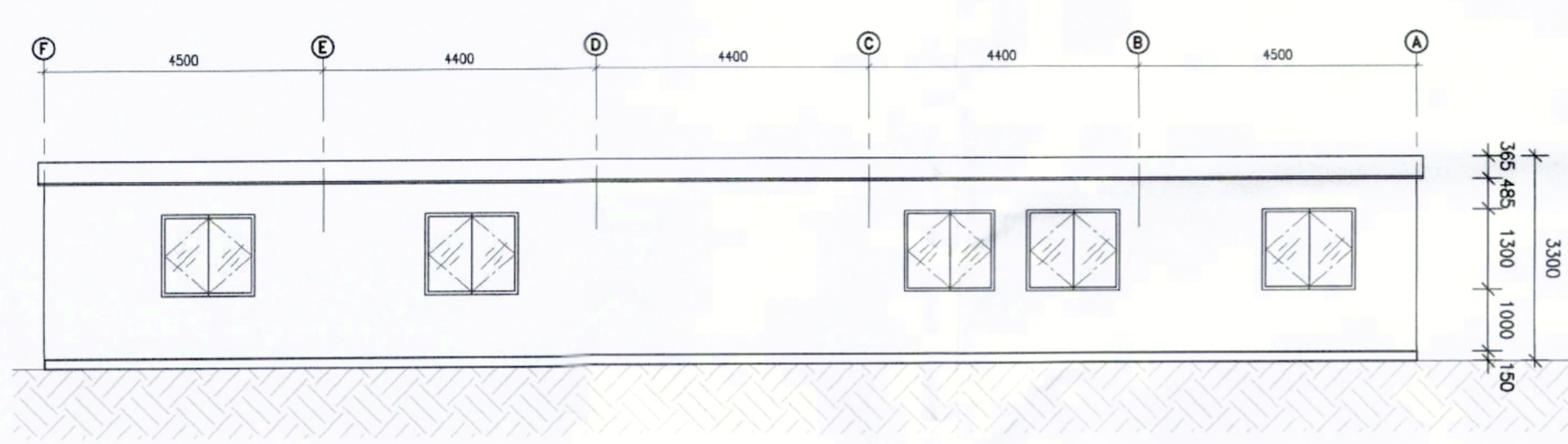
TEMPORARY BUILDING 1
G/F PLAN 1:100 ①



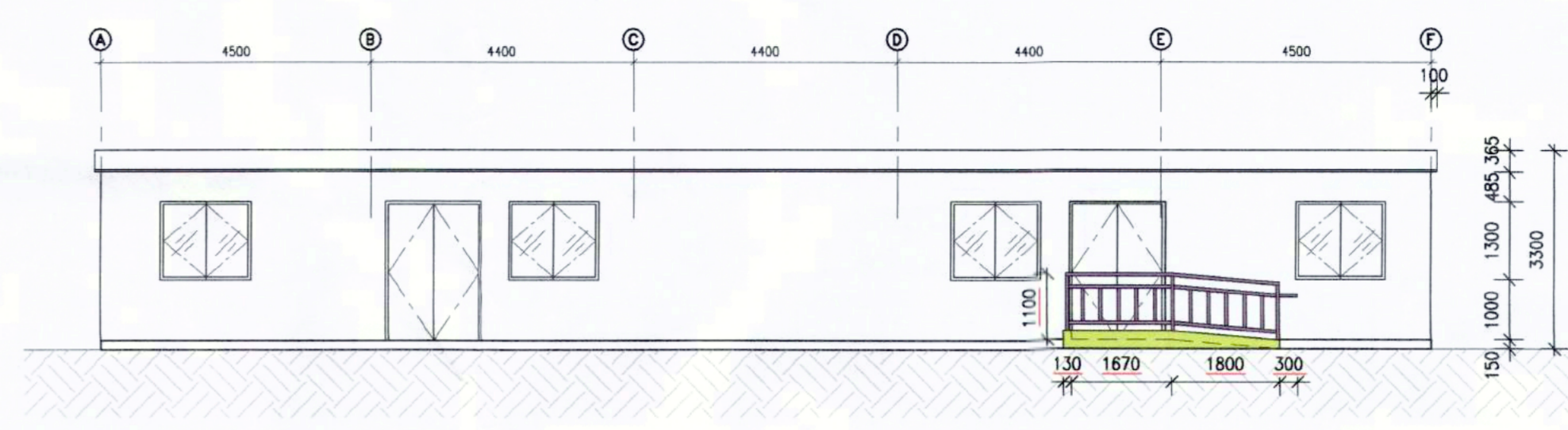
TEMPORARY BUILDING 1
ROOF PLAN 1:100 ②



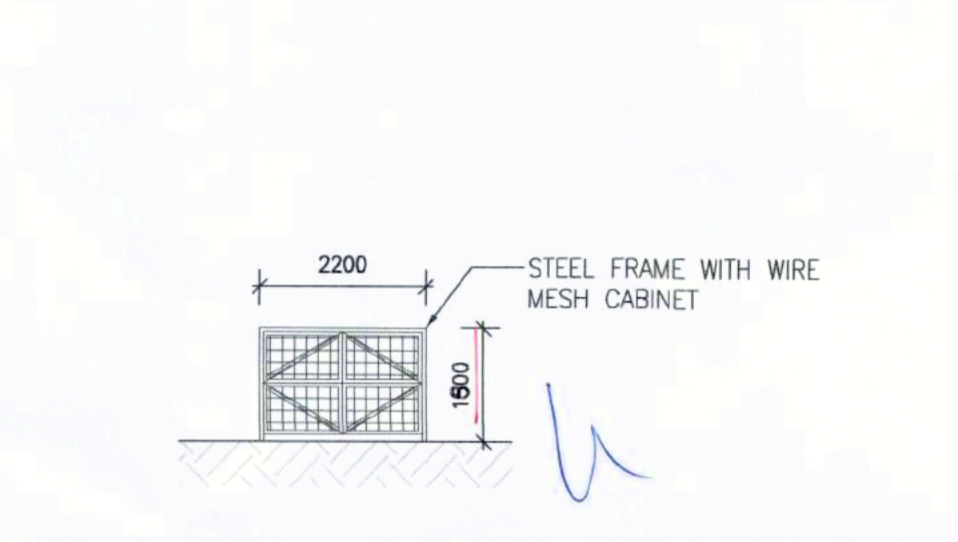
WATER METER CABINET
ROOF PLAN 1:100 ⑨



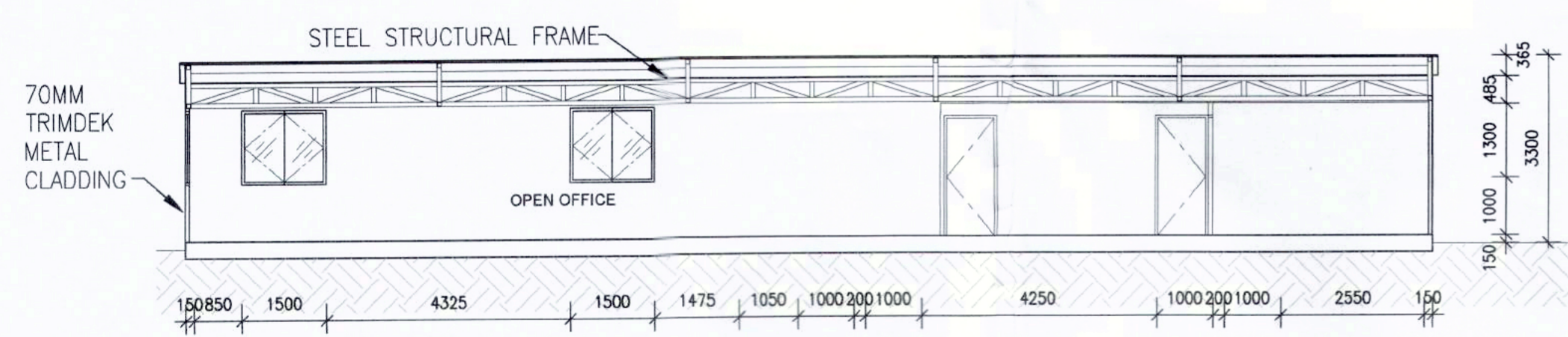
TEMPORARY BUILDING 1
ELEVATION 1:100 ③



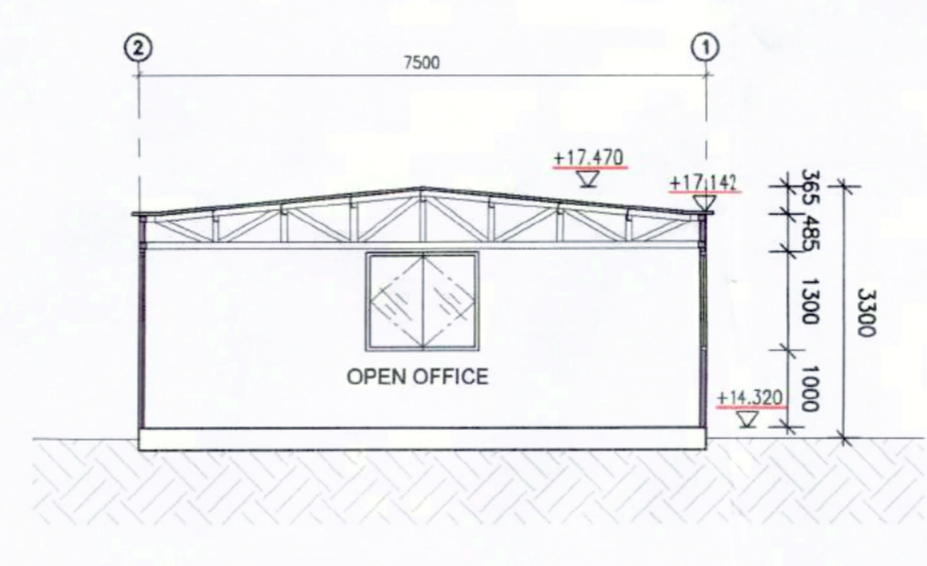
TEMPORARY BUILDING 1
ELEVATION 1:100 ④



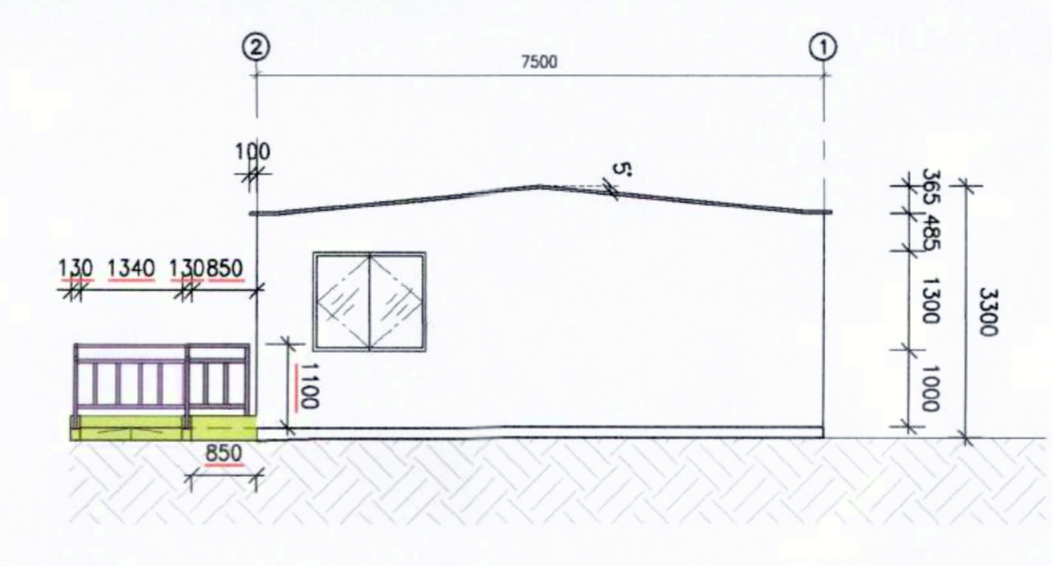
WATER METER CABINET
ELEVATION 1:100 ⑩



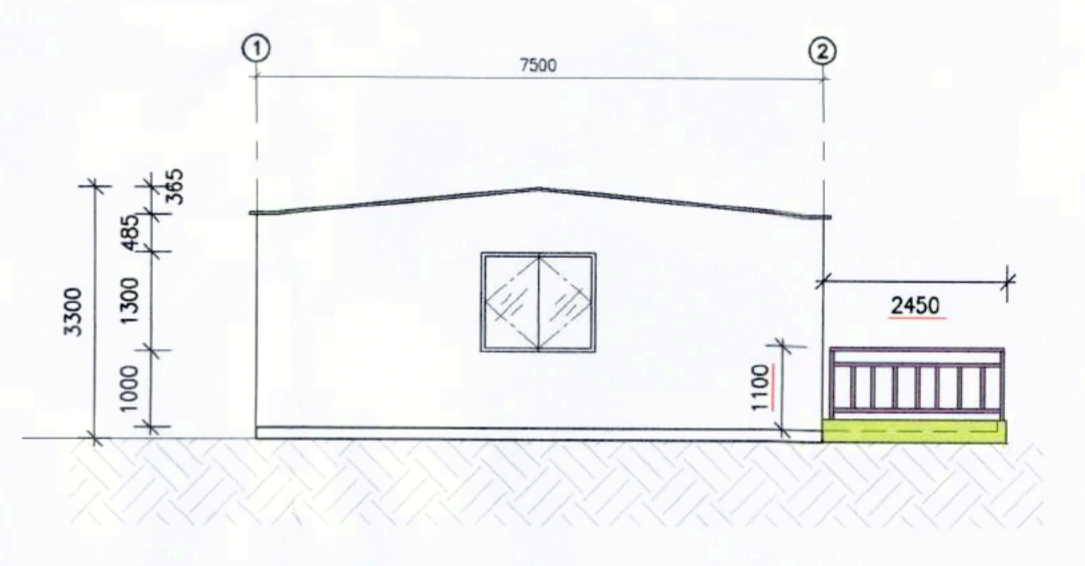
TEMPORARY BUILDING 1
SECTION (TEMPORARY BUILDING 2
SIMILAR) 1:100 ⑤



TEMPORARY BUILDING 1
SECTION (TEMPORARY BUILDING 2
SIMILAR) 1:100 ⑥

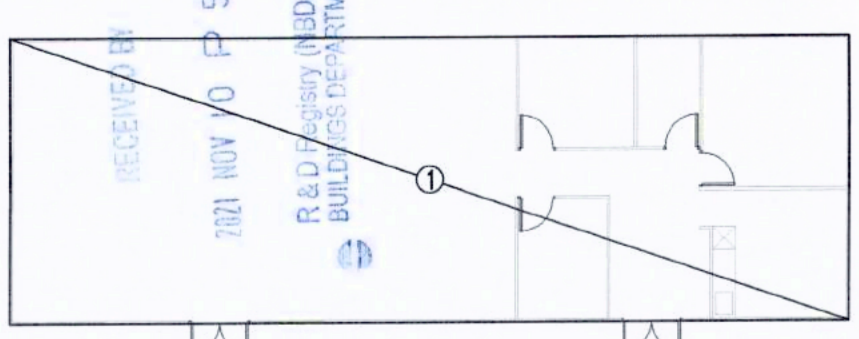


TEMPORARY BUILDING 1
ELEVATION 1:100 ⑦

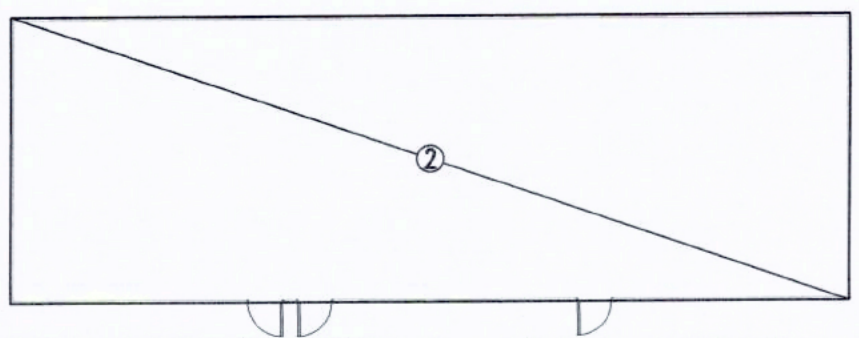


TEMPORARY BUILDING 1
ELEVATION 1:100 ⑧

G.F.A. CALCULATIONS



TEMPORARY BUILDING 1 - G.F.A. DIAGRAM
1:200



TEMPORARY BUILDING 2 - G.F.A. DIAGRAM
1:200

G/F G.F.A. DIAGRAM
AREA ADDED (NON-DOMESTIC)
① OPEN OFFICE = 166.5 S.M.
NON-DOMESTIC G.F.A. OF G/F
= 166.5 S.M.

G/F TEMPORARY BUILDING G.F.A. DIAGRAM
AREA ADDED (NON-DOMESTIC)
② E&M CABINET = 13.02 S.M.

E&M CABINET - G.F.A. DIAGRAM
1:200

MOBILE LAV. UNIT BUILDING G.F.A. DIAGRAM
AREA ADDED (NON-DOMESTIC)
③ MOBILE LAV. UNIT = 23.15 S.M.
23.15 S.M. X 2 = 46.3 S.M.

MOBILE LAV. UNIT - G.F.A. DIAGRAM
1:200

MOBILE A/U LAV. G.F.A. DIAGRAM
AREA ADDED (NON-DOMESTIC)
④ MOBILE A/U LAV. = 2.56 S.M.

MOBILE A/U LAV. - G.F.A. DIAGRAM
1:200

MOBILE F.LAV. G.F.A. DIAGRAM
AREA ADDED (NON-DOMESTIC)
⑤ MOBILE F.LAV. = 1.21 S.M.
1.21 S.M. X 4 = 4.84 S.M.

MOBILE F.LAV. - G.F.A. DIAGRAM
1:200

WATER METER CABINET G.F.A. DIAGRAM
AREA ADDED (NON-DOMESTIC)
⑥ WATER METER CABINET = 2.16 S.M.

WATER METER CABINET - G.F.A. DIAGRAM
1:200

TOTAL G.F.A. CALCULATIONS

G.F.A. (NON-DOMESTIC)	G.F.A.
TEMPORARY BUILDING 1	166.5 S.M.
TEMPORARY BUILDING 2	166.5 S.M.
E&M CABINET	13.02 S.M.
MOBILE A/U LAV.	2.56 S.M.
MOBILE LAV. UNIT	46.3 S.M.
MOBILE F.LAV.	4.87 S.M.
WATER METER CABINET	2.16 S.M.
TOTAL NON-DOMESTIC G.F.A.	401.91 S.M.

PLOT RATIO CALCULATION

SITE CLASS: CS-225 / 5650 S.M.
BUILDING HEIGHT: PROPOSED: 3.3m(H)
(UNDER TPD PG-NO. 36B - CLASS A AMENDMENTS: 10% OF THE APPROVED ABSOLUTE BUILDING HEIGHT)

PLOT RATIO (UNDER BUILDING PLANNING REG.)
PERMISSIBLE PLOT RATIO FOR NON-DOMESTIC PART OF BUILDING: 5
ACTUAL PLOT RATIO FOR NON-DOMESTIC PART OF BUILDING = 401.91 / 5650 = 0.071

SITE COVERAGE CALCULATION

SITE COVERAGE (UNDER BUILDING PLANNING REG.)
PERMISSIBLE SITE COVERAGE FOR NON-DOMESTIC PART OF BUILDING BELOW 15m: 100%
ACTUAL SITE COVERAGE = 401.91 S.M.

ACTUAL SITE COVERAGE FOR NON-DOMESTIC PART OF BUILDING = 401.91 / 5650 = 7.113%

AMENDMENT
DATE: 9 NOV 2021

B.D.

B.D. Ref.: 2/916/20(7B)
F.S.D. Ref.: 8/31456

NOTES:
Check all measurement on site. Do not scale off drawings.
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DEVELOPER:
HONG KONG INSTITUTE OF CONSTRUCTION

ARCHITECT/DESIGNER:
A LEAD architects Ltd.
領建建築師事務所有限公司

STRUCTURAL & GEOTECHNICAL CONSULTANT:
Kewisk Engineering & Consulting Co. Limited

MEP CONSULTANT:
PineBridge Consulting Limited

Revision	Description	Date
D	GBP 2ND AMENDMENT	08/11/2021
C	GBP 1ST AMENDMENT	31/08/2021
B	GBP RE-SUBMISSION	04/03/2021
A	GBP RE-SUBMISSION	05/02/2020
-	GBP SUBMISSION	03/12/2020

AUTHORIZED PERSON (LIST A):
MOK CHI YIN

Project:
Proposed Training Ground for Construction Industry Council on Government Land (STT No. MX 18030 : CS-225) underneath Kong Sham Western Highway off Wong Kong Wai Road, Tuen Mun

Job No.: H-20003 (A)

Drawing Title:
TEMPORARY BUILDING 1
G/F PLAN, ROOF PLAN, ELEVATION, SECTION, PLOT RATIO, SITE COVERAGE & G.F.A. CALCULATIONS

Drawn by	Design by
SY	ET

Checked by	Authorised by
WU	ET

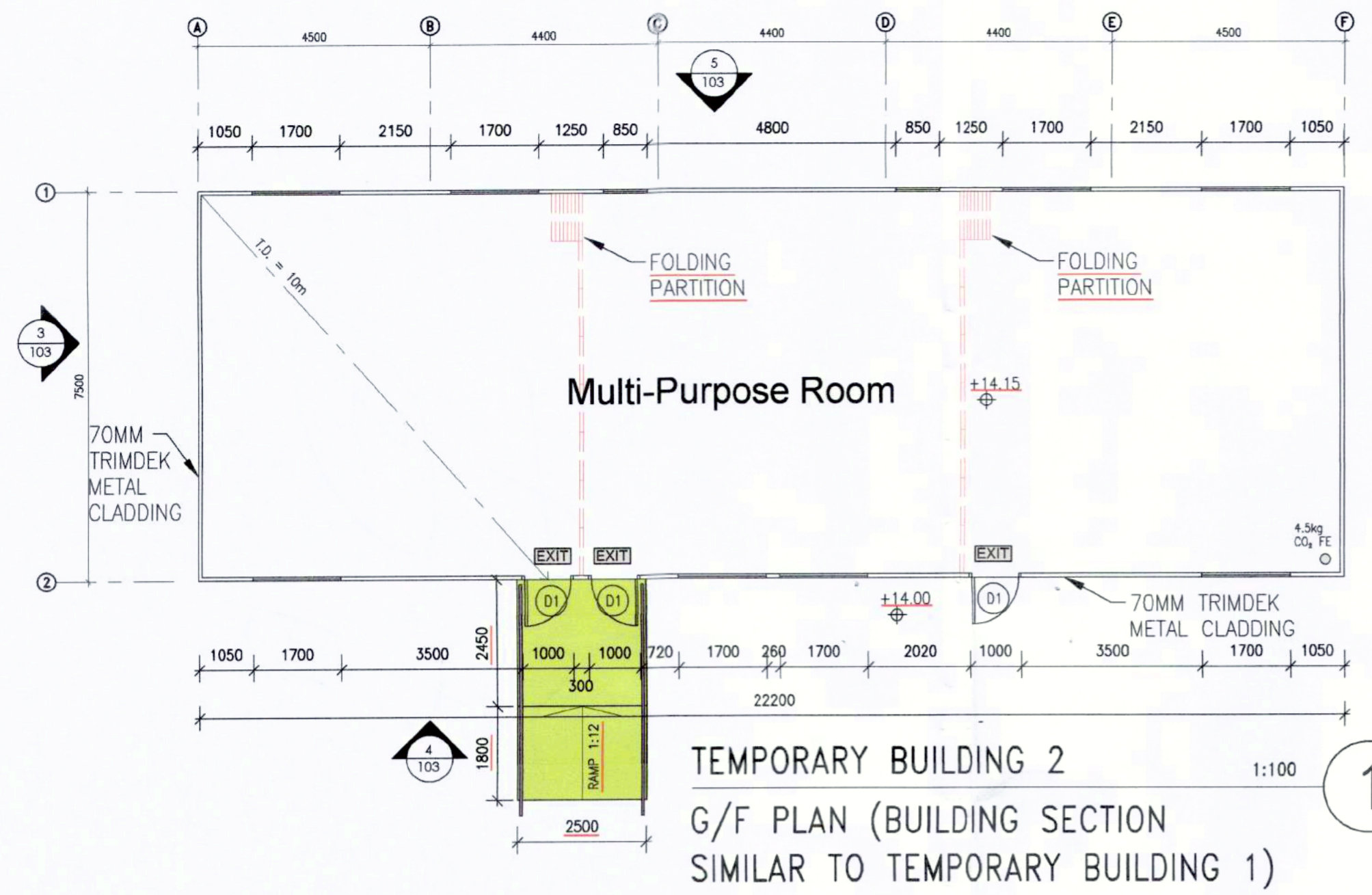
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Issue Date: DECEMBER 2020

Status:

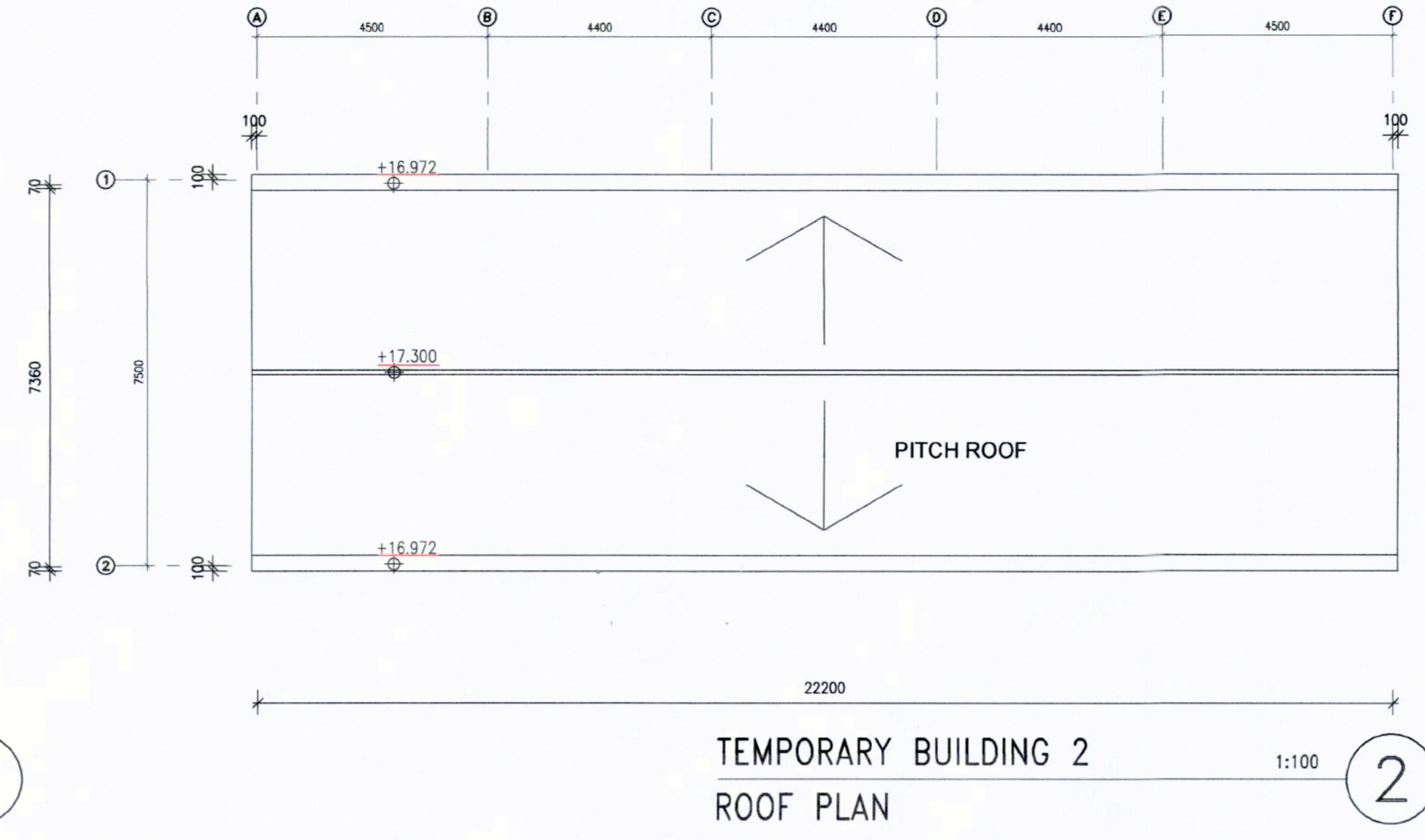
Authority Approval:
Plan Approved
TUNG King-sing
Senior Building Surveyor
for BUILDING AUTHORITY
9 DEC 2021

Drawing No.: 102
Revision: D

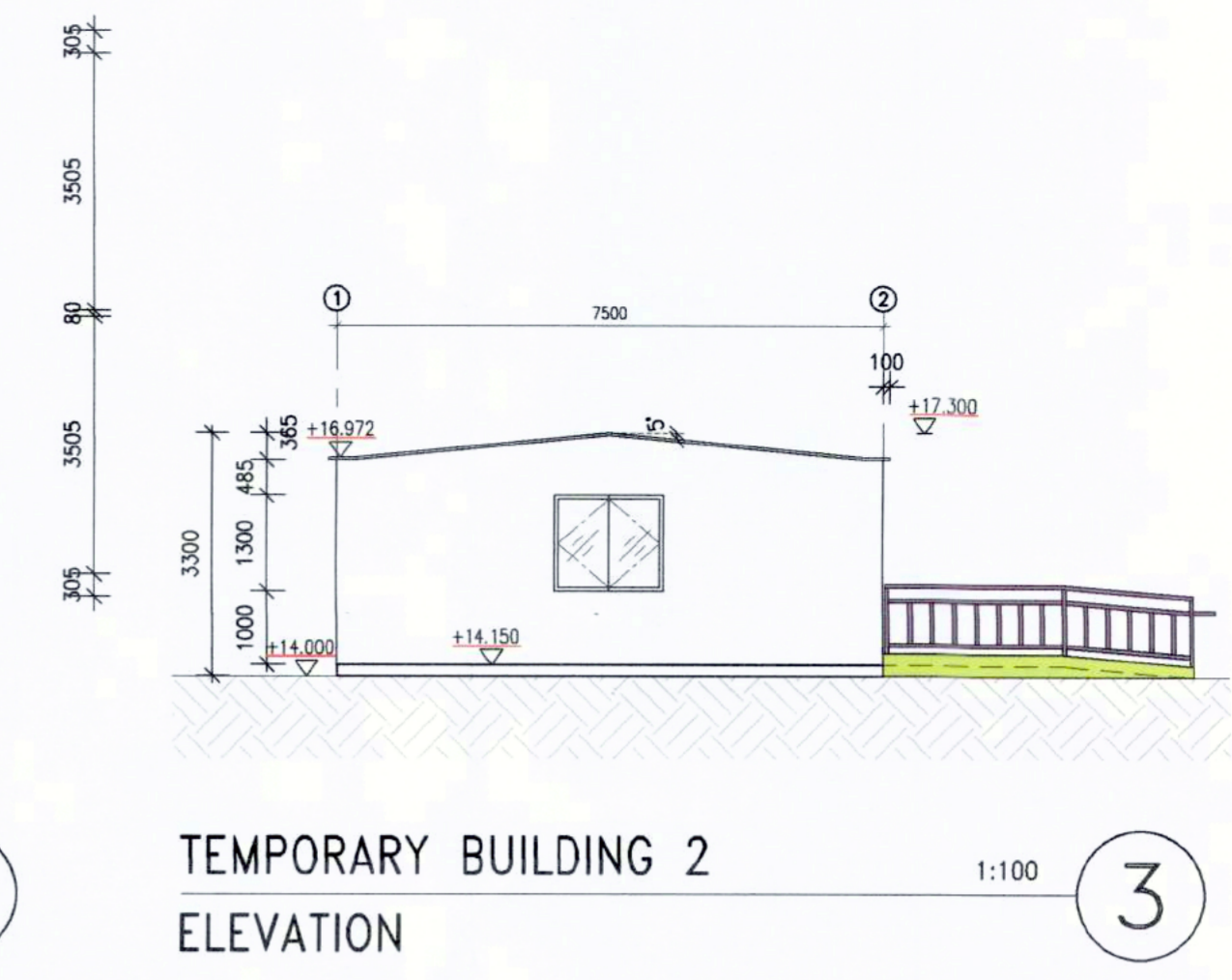
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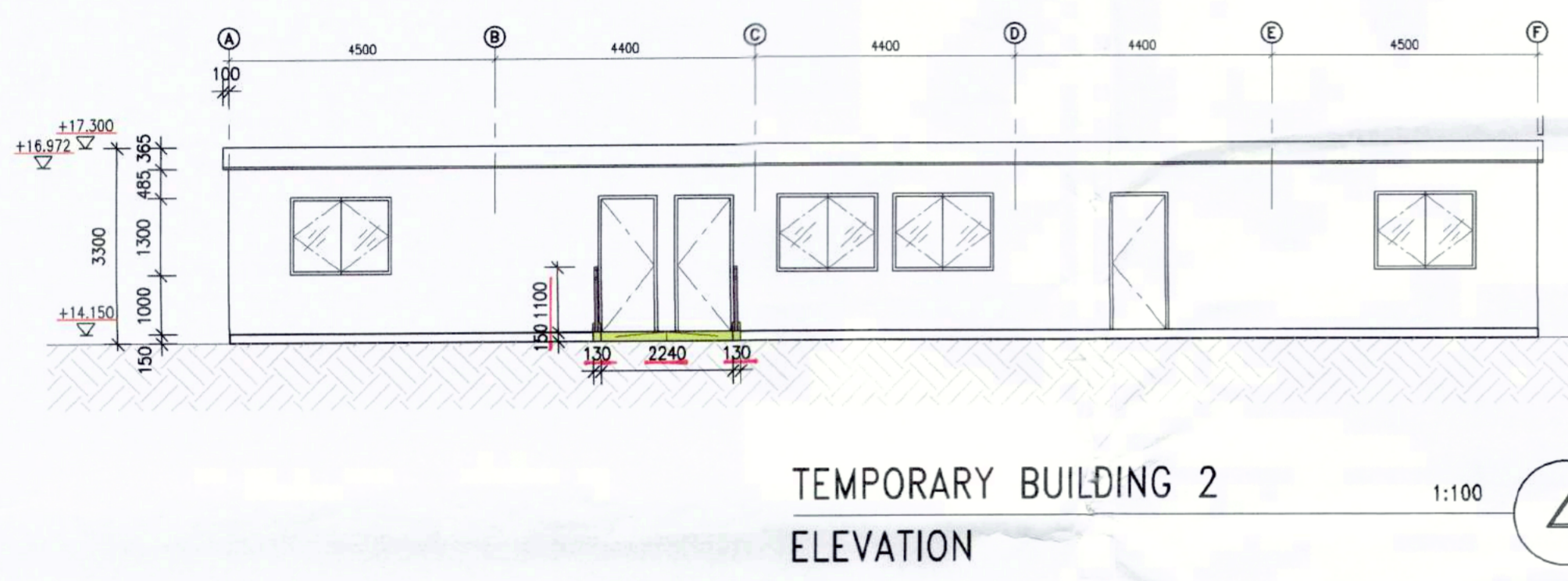
TEMPORARY BUILDING 2
G/F PLAN (BUILDING SECTION
SIMILAR TO TEMPORARY BUILDING 1) 1:100 ①



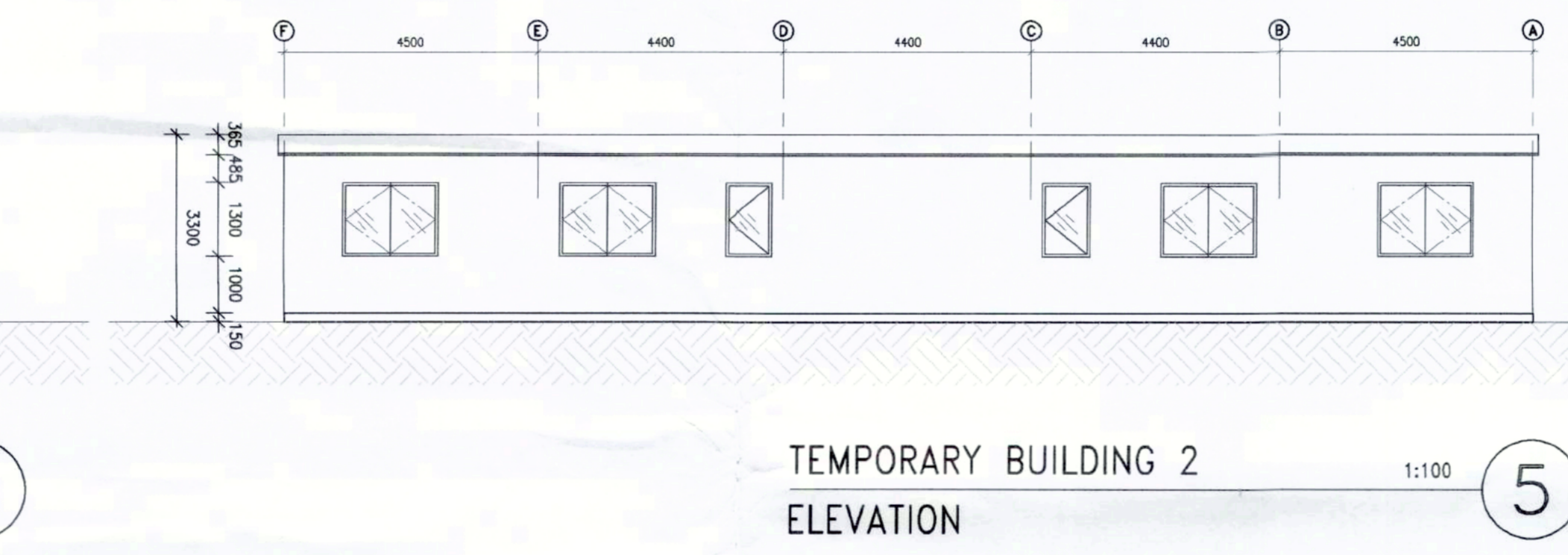
TEMPORARY BUILDING 2
ROOF PLAN 1:100 ②



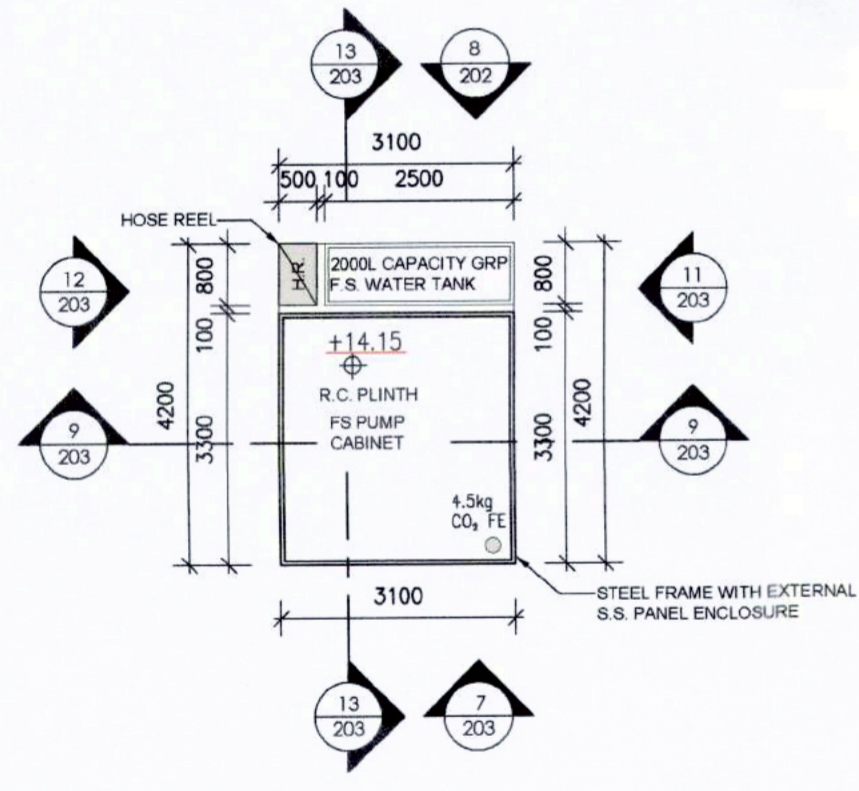
TEMPORARY BUILDING 2
ELEVATION 1:100 ③



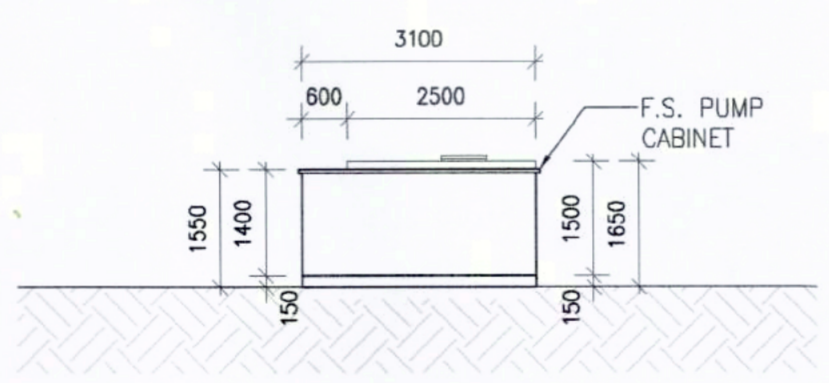
TEMPORARY BUILDING 2
ELEVATION 1:100 ④



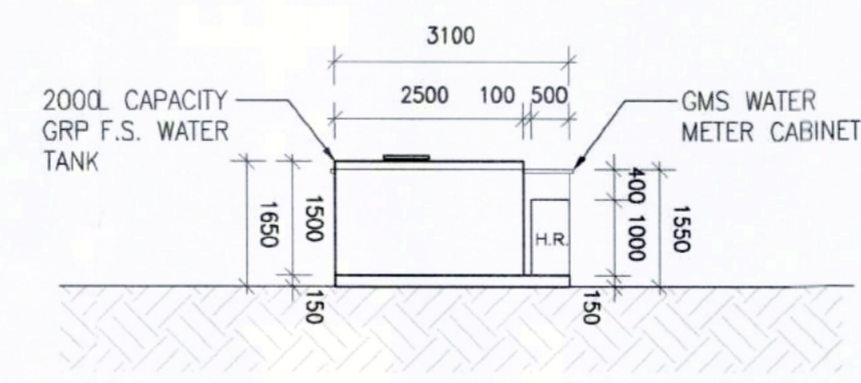
TEMPORARY BUILDING 2
ELEVATION 1:100 ⑤



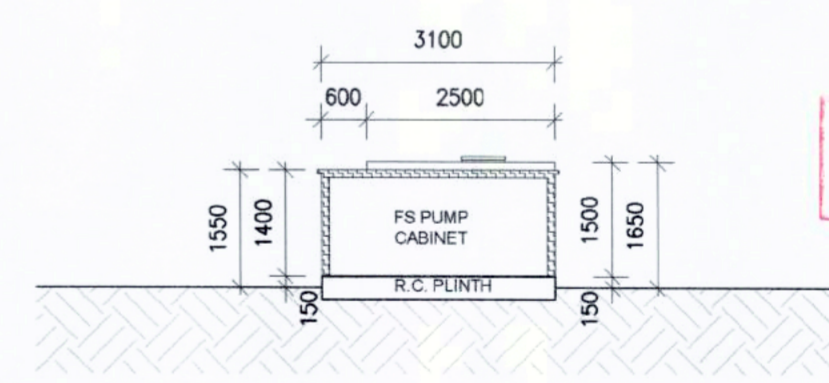
E&M CABINETS
G/F PLAN 1:100 ⑥



E&M CABINETS
ELEVATION 1:100 ⑦



E&M CABINETS
ELEVATION 1:100 ⑧

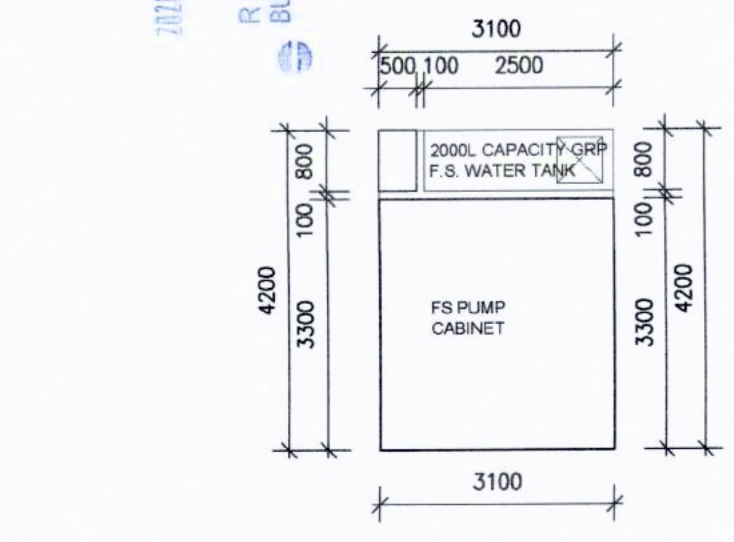


E&M CABINETS
SECTION 1:100 ⑨

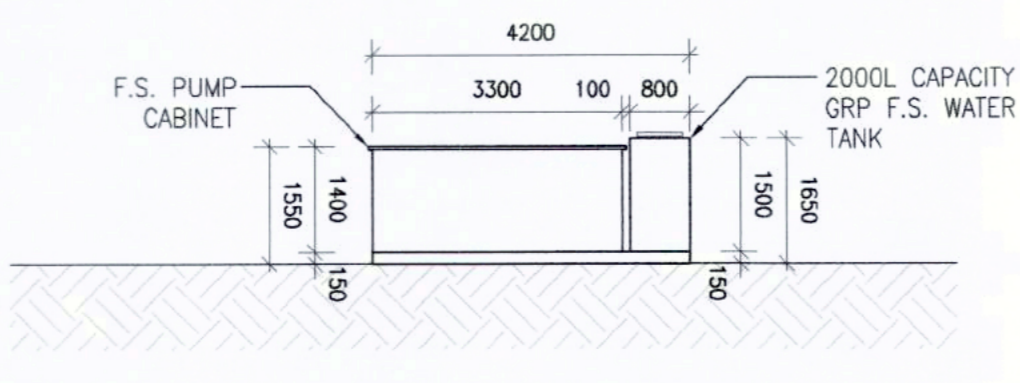
AMENDMENT
9 NOV 2021

B.D.

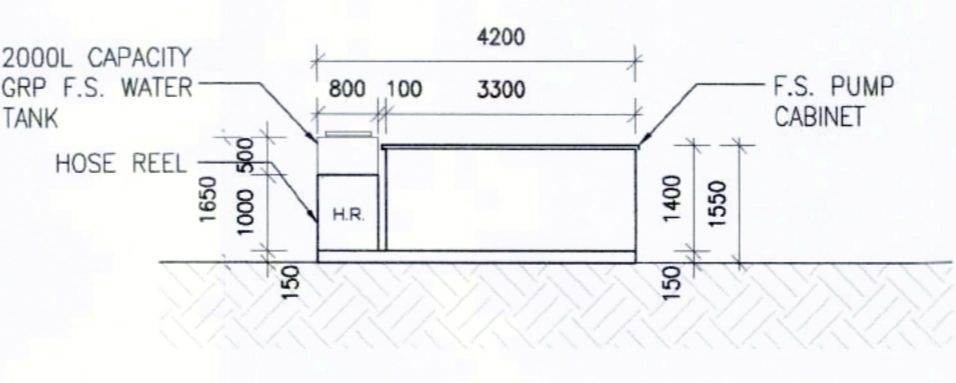
Note: This plan has been processed on a curtailed check basis under the accelerated processing system as promulgated in PNXP ADM-19. The duties of the authorized person, registered structural engineer and/or registered geotechnical engineer concerned as specified under section 4(3)(b) and (a) provisions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



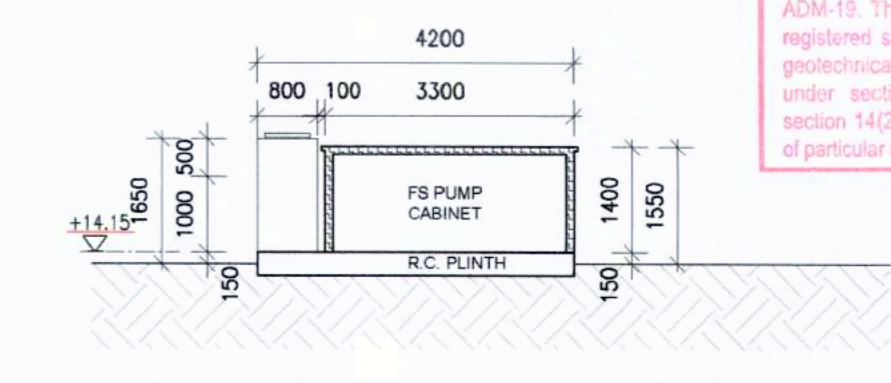
E&M CABINETS
ROOF PLAN 1:100 ⑩



E&M CABINETS
ELEVATION 1:100 ⑪



E&M CABINETS
ELEVATION 1:100 ⑫



E&M CABINETS
SECTION 1:100 ⑬

B.D. Ref.: 2/9161/20(TB)
F.S.D. Ref.: 8/31456

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-	GBP SUBMISSION	03/12/2020

Revision Description Date

AUTHORIZED PERSON (LIST A):
MOK CHI KIN

Project:
Proposed Training Ground for Construction Industry Council on Government land (STT No. MX 18030 : CS-225) underneath Kong Sham Western Highway off Wong Kong Wai Road, Tuen Mun

Job No.: H-20003 (A)

Drawing Title:
TEMPORARY BUILDING 2 & E&M CABINET
G/F PLAN, ROOF PLAN, ELEVATION, SECTION

Drawn:	SY	Design:	ET
Checked:	WJ	Authorised:	ET

Scale: 0/11 : AS SHOWN Issue Date: DECEMBER 2020

Status:

Authority's Approval:
Plan Approved
TAY YIM-CHING
Senior Building Surveyor
for the BUILDING AUTHORITY
09 DEC 2021

Drawing No.: 103 Revision: 0

CAD REF: F:\V20003-02C Training Ground_Loc TA\06_BD SUBMISSION\GBA\11104_2nd GBP Amendment\11104_201_CS-225_ES.dwg

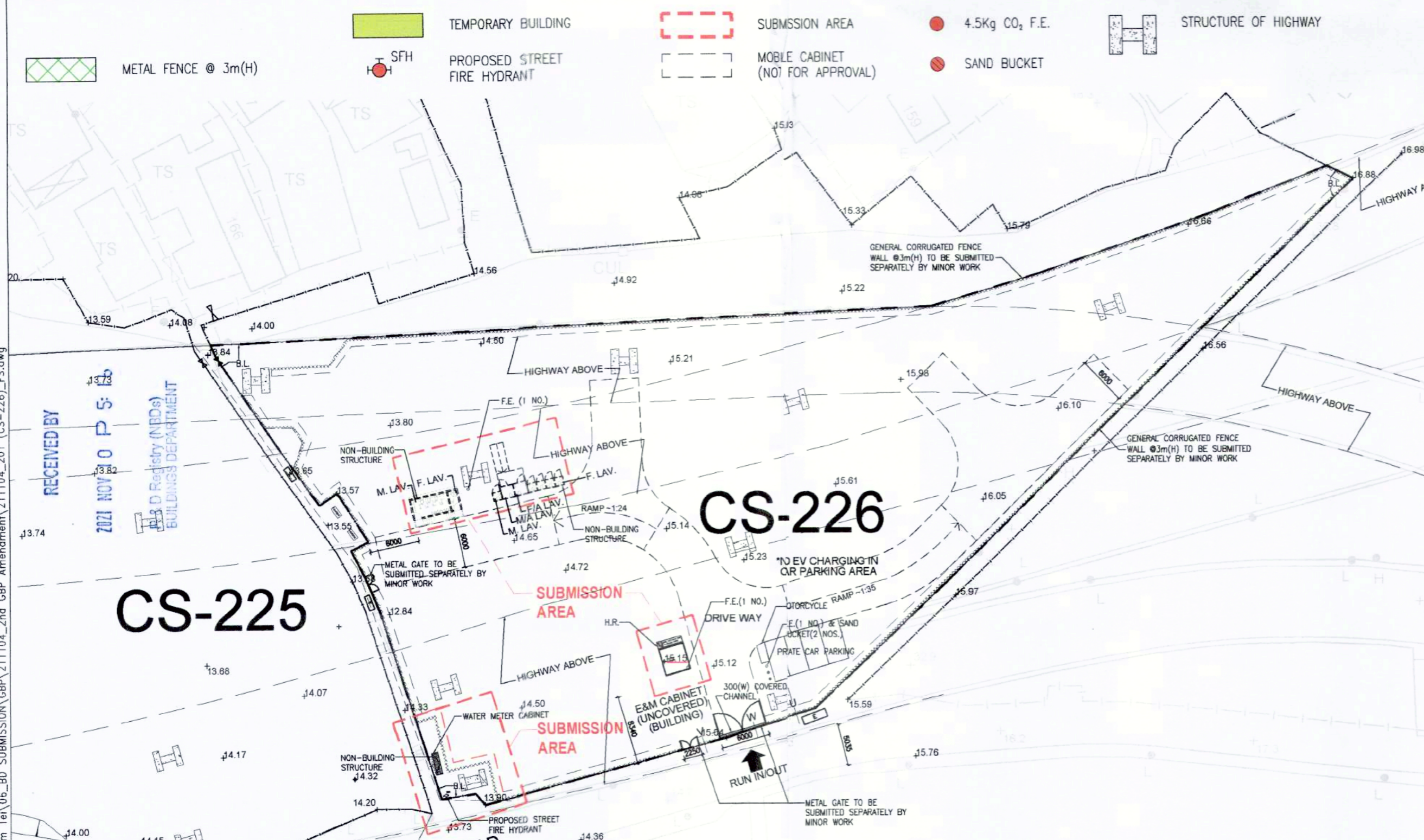
FIRE SERVICES NOTES :

- AUDIO/VISUAL ADVISORY SYSTEM WILL NOT BE PROVIDED AS ANY ONE SINGLE OCCUPANCY ON ANY ONE FLOOR WITH AREA DOES NOT EXCEED 2000sq.m.
- EMERGENCY LIGHTING SHALL BE BACKED UP BY SELF-CONTAINED BATTERY TO BE PROVIDED THROUGHOUT THE BUILDING AND ALL EXIT ROUTES LEADING TO OPEN AREA IN ACCORDANCE WITH BS 5266:PART 1:2011 AND BS EN 1838:2013 AND FSD COP APRIL 2012.
- SUFFICIENT DIRECTIONAL AND EXIT SIGN TO BE PROVIDED TO ENSURE THAT ALL EXIT ROUTE FROM ANY AREA WITHIN THE BUILDING ARE CLEARLY INDICATED AS REQUIRED BY THE CONFIGURATION OF STAIRCASES SERVING THE BUILDING. THESE SIGNS SHALL BE CONNECTED TO BOTH MAIN POWER SUPPLY AND SHALL BE PROVIDED WITH BATTERY IN ACCORDANCE WITH BS 5266-1 : 2001.
- A FIRE DETECTION AND ALARM SYSTEM TO BE PROVIDED IN ACCORDANCE WITH THE LPC RULES FOR AUTOMATIC FIRE DETECTION AND ALARM INSTALLATIONS AND BS 5839 : PART 1 : 2002 + A2 : 2006 AND FSD CIRCULAR LETTER 1/2009 AND 3/2010.
 - ALL FIRE DETECTION AND ALARM SIGNAL WILL BE CONNECTED TO MAIN FIRE ANNUNCIATOR PANEL INSIDE OPEN OFFICE AT TEMPORARY BUILDING 1 AT CS-225 AND NO REPEATER PANEL WILL BE PROVIDED.
 - MOBILE PHONE AND 24/7 DUTY FULL TIME ON SITE STAFF AT GUARD HOUSE AT CS-225 AND NO DIRECT LINK WILL BE PROVIDED.
 - VISUAL FIRE ALARM SYSTEM TO BE PROVIDED IN ACCORDANCE WITH DESIGN MANUAL OF BARRIER FREE ACCESS 2008, FSD CIRCULAR LETTER 2/2012 AND B.S. 5839: PART 1: 1989 CLAUSE 9.7.
 - HEAT DETECTION SYSTEM SHALL BE PROVIDED FOR ALL E&M CABINET EXCEPT PIPE DUCT AND ELV DUCT.
- HOSE REEL SYSTEM TO BE PROVIDED TO SUIT THE BUILDING IN ACCORDANCE WITH THE CODE OF PRACTICE FOR MINIMUM FIRE SERVICES, INSTALLATIONS AND EQUIPMENT AND FSD CIRCULAR LETTER 2/2013.
 - HOSE REELS TO BE PROVIDED TO ENSURE THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30m OF THE HOSE REEL TUBING.
 - 1 NOS. 2,000LITRES F.S. WATER TANK IS LOCATED AT THE E&M CABINET WILL BE USED TO SERVE HOSE REEL IN THE BUILDING.
 - A MANUALLY OPERATED FIRE ALARM SYSTEM TO BE PROVIDED FOR THE BUILDING.
- ONE ACTUATING POINT OF MANUALLY OPERATED FIRE ALARM SYSTEM TO BE PROVIDED AT EACH HOSE REEL POINT. WHEN THE ACTUATING POINT IS ACTIVATED, THE FIXED FIRE PUMP(DUTY/STANDBY) SHALL START AND THE AUDIO/VISUAL FIRE ALARM SHALL BE ACTIVATED AUTOMATICALLY.
- PORTABLE FIRE EXTINGUISHERS TO BE PROVIDED AT ALL E/M PLANTS ROOMS AND AS INDICATED ON PLANS.
- AUTOMATIC SPRINKLER SYSTEM WILL NOT BE PROVIDED FOR THE BUILDING AS ALL PARTS OF EACH BUILDING WITH TOTAL FLOOR AREAS NOT EXCEEDING 230M.
- EMERGENCY GENERATOR WILL NOT BE PROVIDED. THE SECONDARY ELECTRICITY SUPPLY TO BE TEE-OFF BEFORE THE INCOMING MAIN SWITCH TO SUPPLY ESSENTIAL POWER FOR ALL FIRE SERVICE INSTALLATION
- ELECTRICITY SUPPLY FOR FIRE SERVICES INSTALLATION WILL COMPLY WITH PART IX OF F.S.D. CIRCULAR LETTER 4/96.
- NO PROVISION OF CENTRALIZED VENTILATION/ AIR CONDITIONING CONTROL SYSTEM.
- NEW STREET FIRE HYDRANT SHOULD BE PROVIDED WITHIN DISTANCES OF 100 METERS AT EVA AND COMPLIED WITH FSD CODES OF PRACTICE APRIL 2012 AND COMPLETION IN USE BEFORE T.O.P. ISSUED BY B.O.
- THE WATER SUPPLY FOR STREET FIRE HYDRANT SYSTEM TO BE DIRECTLY FED FROM TOWN MAINS TO PROVIDE A TOTAL OUTPUT OF NOT LESS THAN 4000 L/MIN FROM ANY ONE STREET FIRE HYDRANT WITH A MINIMUM RUNNING PRESSURE OF 170KPA.

GENERAL NOTES :

- ALL ELEMENTS OF ROOF SYSTEM & WALL CLADDING TO BE NON-COMBUSTIBLE MATERIAL.
- ALL DIMENSIONS SHOWN IN ALL DRAWINGS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
- ALL LEVELS SHOWN ARE IN METER ABOVE P.D..
- ALL STRUCTURAL CALCULATIONS & DRAWINGS SHALL BE SUBMITTED SEPARATELY.
- FIRE SERVICES DEPARTMENT REQUIREMENTS TO BE FULLY COMPLIED WITH.
- MOBILE TOILETS TO BE PROVIDED FOR SANITARY FITMENT PROVISION.

LEGEND FOR MASTER LAYOUT PLAN :



MASTER LAYOUT PLAN

1:500

NOTE FOR FIRE RESISTANCE REQUIREMENT FOR ELEMENT OF CONSTRUCTION :

IN ACCORDANCE WITH CLAUSE 4.3 OF FIRE SAFETY CODE, WHERE A SINGLE-STORY BUILDING DOES NOT EXCEED 7000 sq.m IN VOLUME AND 7.5m IN HEIGHT, ANY STEEL WORK CONSTRUCTION MAY BE UNPROTECTED, PROVIDED THAT THE BUILDING IS SEPARATED FROM ANY ADJOINING BUILDING OR THE SITE BOUNDARY BY A CLEAR UNOBSTRUCTED OPEN SPACE NOT LESS THAN 6m IN WIDTH, WHERE COLUMNS AND BEAMS ARE IN AN EXTERNAL WALL, PROTECTION AGAINST CORROSION MAY BE NECESSARY AND SHOULD BE SEPARATELY CONSIDERED.

SITE COVERAGE CALCULATION

SITE COVERAGE (UNDER BUILDING PLANNING REG.)

PERMISSIBLE SITE COVERAGE FOR NON-DOMESTIC PART OF BUILDING BELOW 15m : 100%
ACTUAL SITE COVERAGE = 49.5 S.M.

ACTUAL SITE COVERAGE FOR NON-DOMESTIC PART OF BUILDING = $49.5 / 4650 = 1.065\%$

SITE CLASS

CLASS A

SITE AREA

4650 S.M.

BUILDING HEIGHT

PLAN-D APPROVED : 3m(H)

PROPOSED : 1.65m(H)
(UNDER TPD PG-NO. 36B - CLASS A AMENDMENTS : 10% OF THE APPROVED ABSOLUTE BUILDING HEIGHT)

PLOT RATIO (UNDER BUILDING PLANNING REG.)

PERMISSIBLE PLOT RATIO FOR NON-DOMESTIC PART OF BUILDING : 5
ACTUAL PLOT RATIO FOR NON-DOMESTIC PART OF BUILDING = $49.5 / 4650 = 0.011$

LEGEND FOR TEMPORARY BUILDING PLAN :

	WILD WILLOW	= PLASTER OR CEMENT RENDERING		ELECTRIC BLUE	= GLASS
	WITCH HAZE	= CONCRETE SLAB (LIGHTER WASH)		MUESLI	= TIMBER
	CHEESE	= LIGHTWEIGHT PARTITION (e.g. NON-FRR DRYWALL)		HELIOTROPE	= METALWORK OR STEEL
	CHEESE	= LIGHTWEIGHT PARTITION (e.g. FRR -/60/60 DRYWALL)			

ABBREVIATIONS :

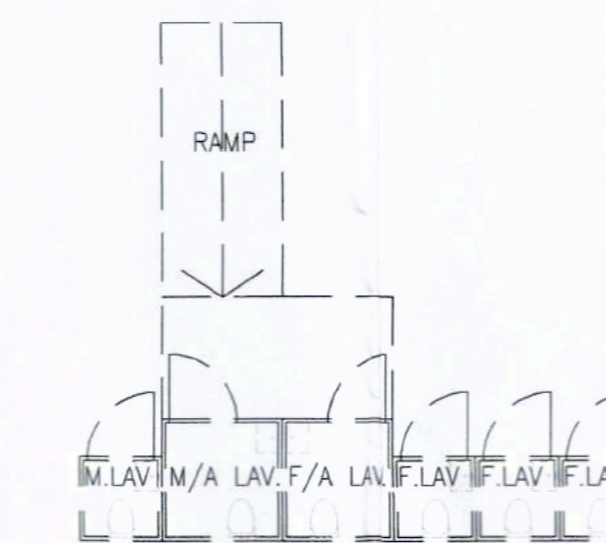
B.L.	= BOUNDARY LINE	F.E.	= 4.5KG CO ₂ FIRE EXTINGUISHER	M/A LAV.	= MALE ACCESSIBLE LAVATORY
H.R.	= HOSE REEL	F.S.	= FIRE SERVICES	F/A LAV.	= FEMALE ACCESSIBLE LAVATORY
W.M.C.	= WATER METER CABINET	TEL.	= TELEPHONE		

NOTES FOR E.V.A. :

- THE EVA SHOULD BE CAPABLE OF RESIST THE WEIGHT OF THE FIRE APPLIANCE 30,000kg.
- IF THERE IS ANY OVERHEAD STRUCTURE OVER ANY PART OF THE E.V.A., A CLEAR HEADROOM OF NOT LESS THAN 4.5m SHOULD BE MAINTAINED.
- NO PART OF THE GRADIENT OF THE EVA SHOULD BE STEEPER THAN 1:10.
- NO PART OF THE WIDTH THROUGHOUT THIS E.V.A. SHOULD BE LESS THAN 4.5 METERS WIDE.
- THE E.V.A. SHOULD BE HARD-PAVED.
- STREET HYDRANT POINTS SHOULD BE PROVIDED WITHIN DISTANCE OF 100 METERS AT E.V.A.



MOBILE M.LAV & F.LAV LAYOUT (FOR REFERENCE ONLY)



MOBILE M.LAV., M/A LAV. & F/A LAV. LAYOUT (FOR REFERENCE ONLY)

G.F.A. CALCULATIONS

G/F TEMPORARY BUILDING G.F.A. DIAGRAM
AREA ADDED (NON-DOMESTIC)
E&M CABINET = 13.02 S.M.

E&M CABINET - G.F.A. DIAGRAM

MOBILE F/A & M/A G.F.A. DIAGRAM
AREA ADDED (NON-DOMESTIC)
MOBILE F/A & M/A = 2.56 S.M.
2.56 S.M. X 2 = 5.12 S.M.

MOBILE F/A & M/A - G.F.A. DIAGRAM

MOBILE LAV. UNIT BUILDING G.F.A. DIAGRAM
AREA ADDED (NON-DOMESTIC)
MOBILE LAV. UNIT = 23.15 S.M.

MOBILE LAV. UNIT BUILDING - G.F.A. DIAGRAM

MOBILE F.LAV. & M.LAV G.F.A. DIAGRAM
AREA ADDED (NON-DOMESTIC)
MOBILE F.LAV. & M.LAV. = 1.21 S.M.
1.21 S.M. X 5 = 6.05 S.M.

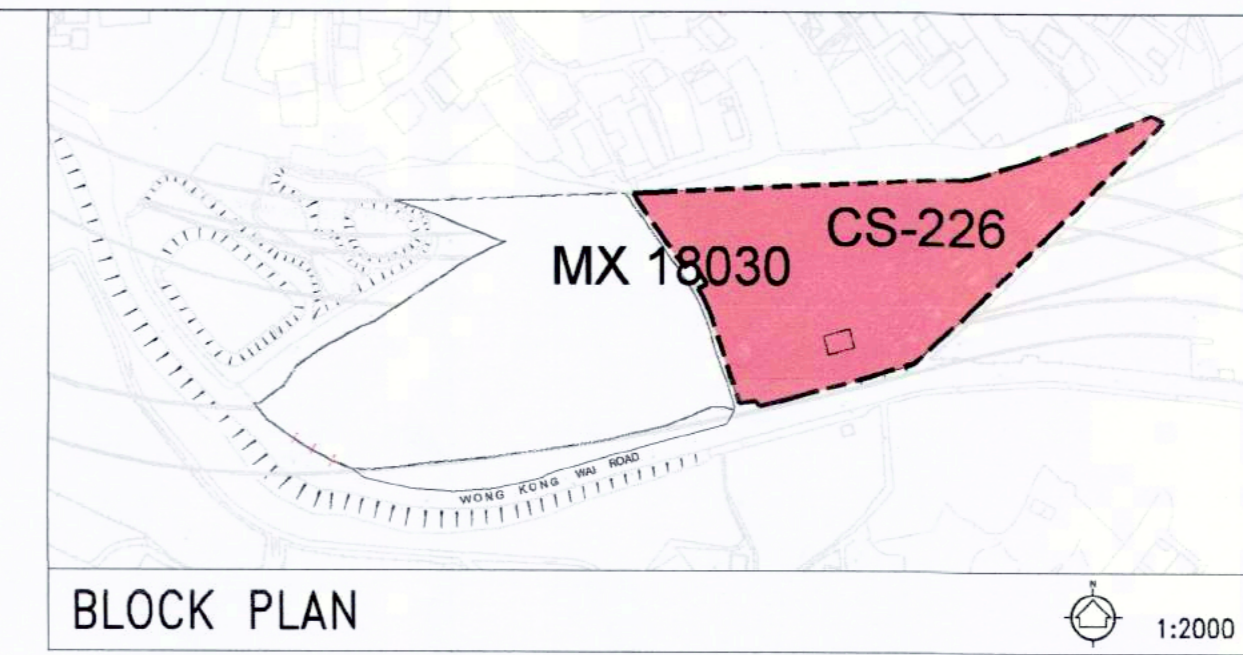
MOBILE F.LAV & M.LAV - G.F.A. DIAGRAM

WATER METER CABINET G.F.A. DIAGRAM
AREA ADDED (NON-DOMESTIC)
WATER METER CABINET = 2.16 S.M.

WATER METER CABINET - G.F.A. DIAGRAM

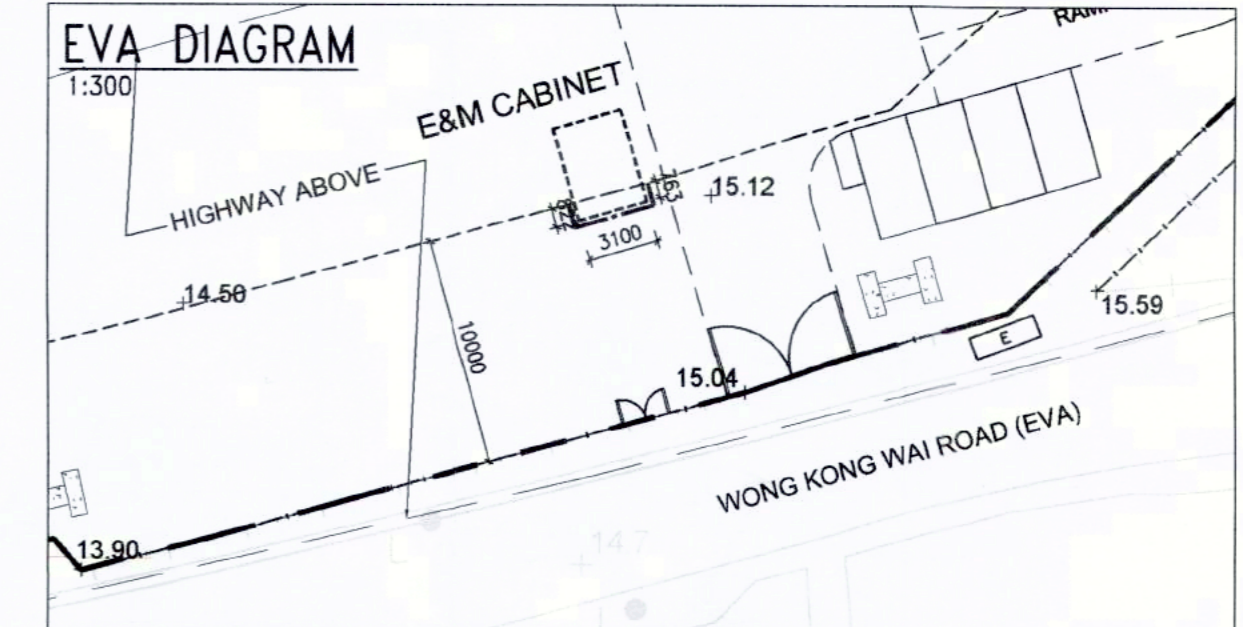
TOTAL G.F.A. CALCULATIONS

G.F.A. (NON-DOMESTIC)	G.F.A.
E&M CABINET	13.02 S.M.
MOBILE LAV. UNIT	5.12 S.M.
M. F/A & M/A LAV.	23.15 S.M.
M. F.LAV & M.LAV.	6.05 S.M.
WATER METER CABINET	2.16 S.M.
TOTAL NON-DOMESTIC G.F.A.	= 49.5 S.M.



BLOCK PLAN

1:2000



CALCULATION OF MAJOR BUILDING FACADE SERVED BY EVA :

E&M CABINET :
TOTAL LENGTH OF BUILDING FACADE : 3.1m+4.2m+3.1m+4.2m = 14.6m
TOTAL LENGTH OF BUILDING FACADE SERVED BY EVA : 0.822m+3.1m+0.763m = 4.685m
PERCENTAGE OF BUILDING FACADE SERVED BY EVA : 4.685/14.6m x 100% = 32.089% > 25% (MINIMUM REQUIRED)

PROVISION OF SANITARY FITMENTS (NO FOUL/ WASTE WATER OTHER THAN MOBILE TOILET WILL BE GENERATED ON SITE)

LOCATION	TOTAL NO. OF PERSON	NO. OF PERSON (RATIO 1:1)	SANITARY FITMENTS REQUIRED			SANITARY FITMENTS PROVIDED			ACCESS LAV.		
			WC	BASIN	URINAL	WC	BASIN	URINAL	REQ.	PRO.	
G/F	420 / 2 = 210p (UNDER PLANNING DEPARTMENT APPROVAL)	210	M = 105	5	5	3	5	5	3	1	1
			F = 105	6	5	-	6	6	-	1	1

REMARKS : *ALL SANITARY FITMENTS PROVISION BY MOBILE TOILET

DEVELOPMENT SCHEDULE

- LOCATION & LOT NO. : STT NO. MX 18030 (CS-226)
- SITE AREA : CS-226 : 4650 S.M. (& CS-225 : 5650 S.M.)
TOTAL SITE AREA = 10300 S.M. OF STT APPROVED AREA
- CLASS : A
- HEIGHT OF BUILDING : 3.3m (TPD PG-NO. 36B - CLASS A AMENDMENTS)

BLOCK	NO. OF STOREYS	PROPOSED HEIGHT OF BUILDING	HEIGHT RESTRICTIONS UNDER OZP	SPECIAL CONDITION REFERRED
4	1	1.65m (UNDER TPD PG-NO. 36B) (CLASS A AMENDMENT)	NOT SPECIFY	NIL

D. SCHEDULE OF ACCOMMODATION

ACCOMMODATION	PROPOSED	REQUIRED/PERMITTED UNDER THE LEASE	SPECIAL CONDITION REFERRED
1 USAGE	COMMERCIAL	NIL	NIL
2 GROSS FLOOR AREA	49.5 S.M.	NIL	NIL
3 SITE COVERAGE	1.065%	NIL	NIL
4 D.D.CLAUSE	NIL	NIL	NIL
5 CARPARK	4 NOS.	NIL	NIL
6 LOADING / UNLOADING SPACES	NIL	NIL	NIL
7 INGRESS & EGRESS	NIL	NIL	NIL
8 CARETAKER'S OFFICE ACCOMMODATION - QUARTERS	NIL	NIL	NIL
9 RECREATIONAL	NIL	NIL	NIL
10 NON-BUILDING AREA	NIL	NIL	NIL
11 FORMATION AREA (GREEN, YELLOW, ETC.)	NIL	NIL	NIL
12 TREE PRESERVATION	NIL	NIL	NIL
13 LANDSCAPING	NIL	NIL	NIL
14 OTHER SPECIAL REQUIREMENTS UNDER LEASE	NIL	NIL	NIL
15 NON-BUILDING AREA (FROM GROUND TO A HEIGHT OF 15M)	NIL	NIL	NIL

- IN COMPLIANCE WITH THE MASTER LAYOUT PLAN APPROVED ON 4 MAY 2021 (IF APPLICABLE).
- DATE OF LAST SUBMISSION ON 4 MARCH 2021 (IF APPLICABLE).
- PRESCRIBED WINDOW & FIRE ACCESS REQUIREMENTS - CHECKED AND COMPLIED WITH.

R.D. Ref. : 2/916/20(18)
F.S.D. Ref. : 8/31456

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HONG KONG INSTITUTE OF CONSTRUCTION

ARCHITECT / DESIGNER :
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HONG KONG INSTITUTE OF CONSTRUCTION

STRUCTURAL & GEOTECHNICAL CONSULTANT :
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MEP CONSULTANT :
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D	GBP 2ND AMENDMENT	08/11/2021
C	GBP 1ST AMENDMENT	31/08/2021
B	GBP RE-SUBMISSION	04/03/2021
A	GBP RE-SUBMISSION	05/02/2021
-	GBP SUBMISSION	03/12/2020

Revision Description Date

AUTHORIZED PERSON (LIST A):
B.D.
MCK CHI KIN

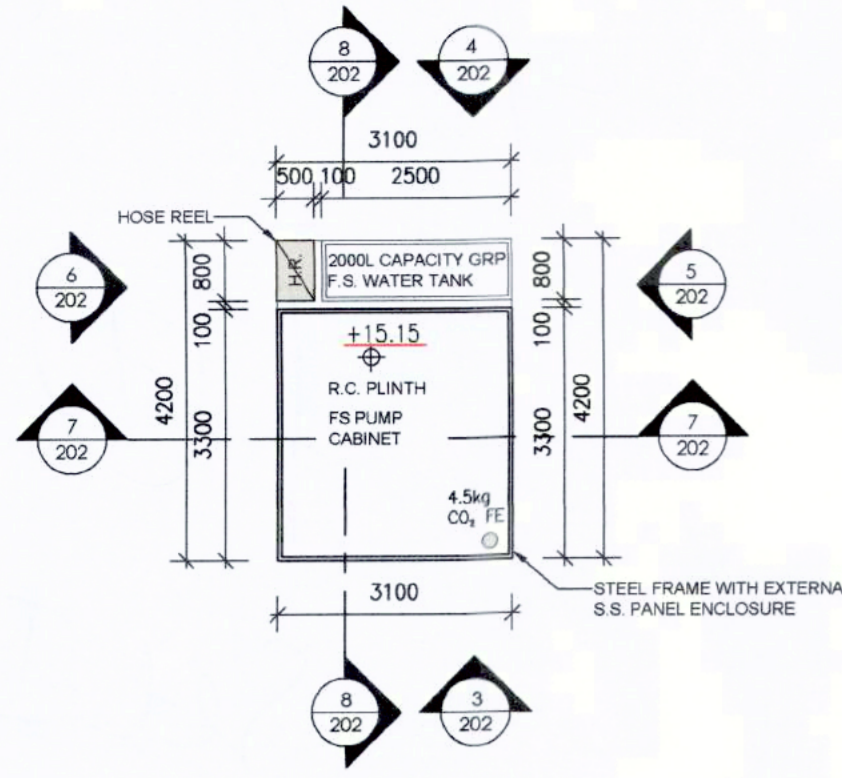
Project :
Proposed Training Ground for Construction Industry Council on Government Land (STT No. MX 18030 : CS-226) underneath Kong Sham Western Highway off Wong Kong Wai Road, Tuen Mun

Job No. : H-20003 (B)

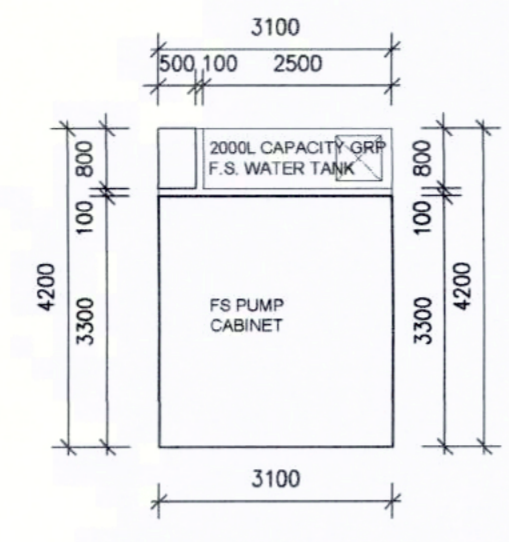
Drawing Title :
GENERAL & F.S. NOTES, BLOCK PLAN, LEGEND, MASTER LAYOUT PLAN, SCHEDULE, PLOT RATIO, SITE COVERAGE & G.F.A. CALCULATIONS

Drawn : SF Design : ET
Checked : WJ Authorised : ET
Scale @A1 : AS SHOWN Issue Date : DECEMBER 2020
Status :
Authority's Approval :
Plan Approved
Senior Building Surveyor
BUILDING AUTHORITY
18 DEC 2021

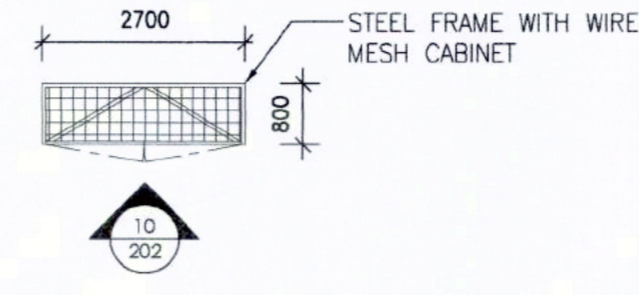
Drawing No. : 201 Revision : D



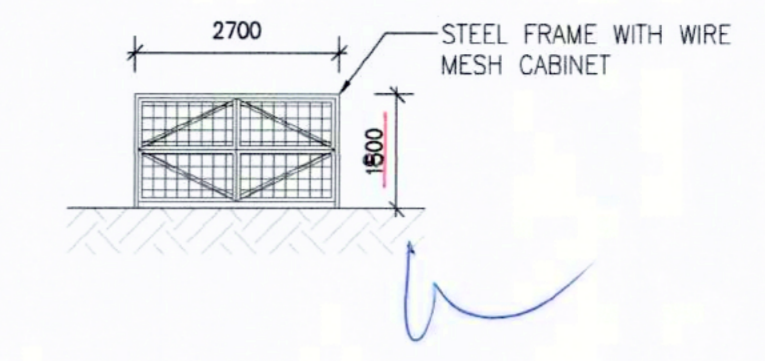
E&M CABINETS
G/F PLAN 1:100 ①



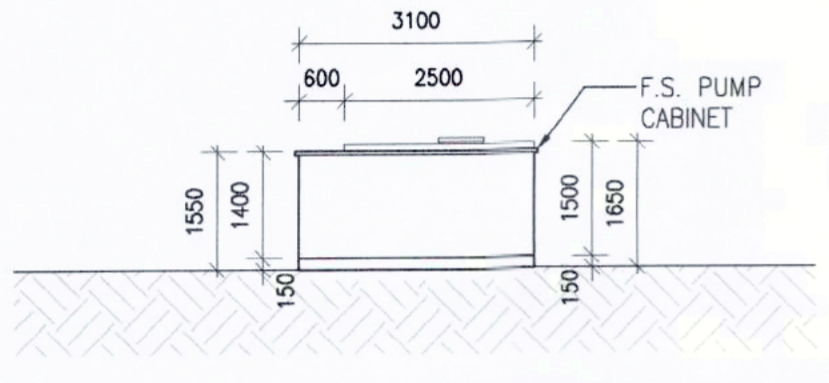
E&M CABINETS
ROOF PLAN 1:100 ②



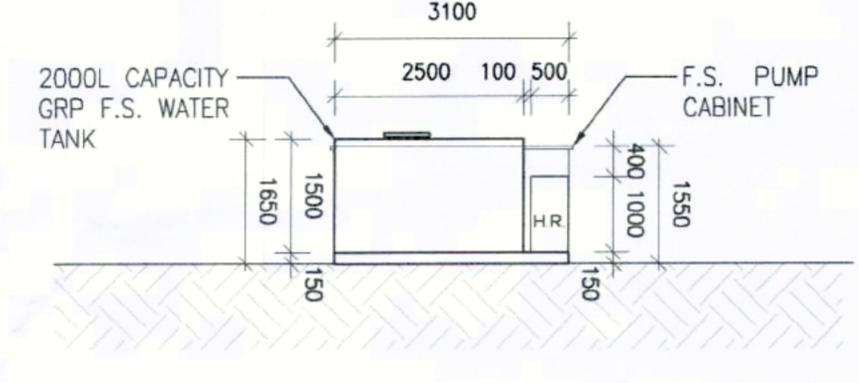
WATER METER CABINET
ROOF PLAN 1:100 ⑨



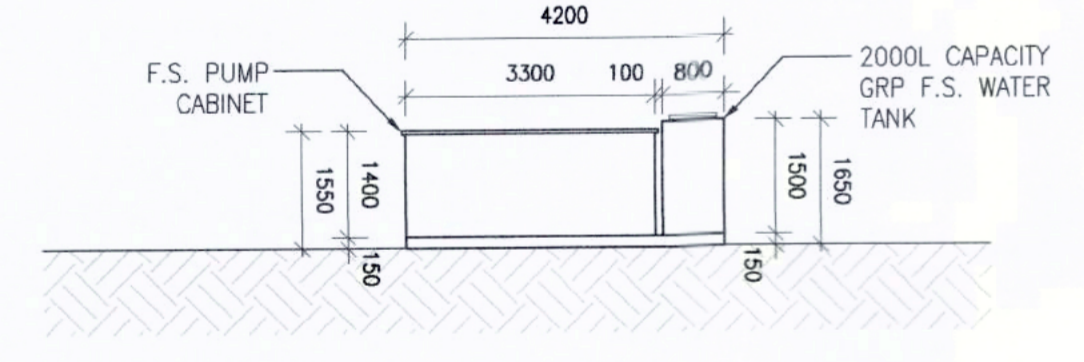
WATER METER CABINET
ELEVATION 1:100 ⑩



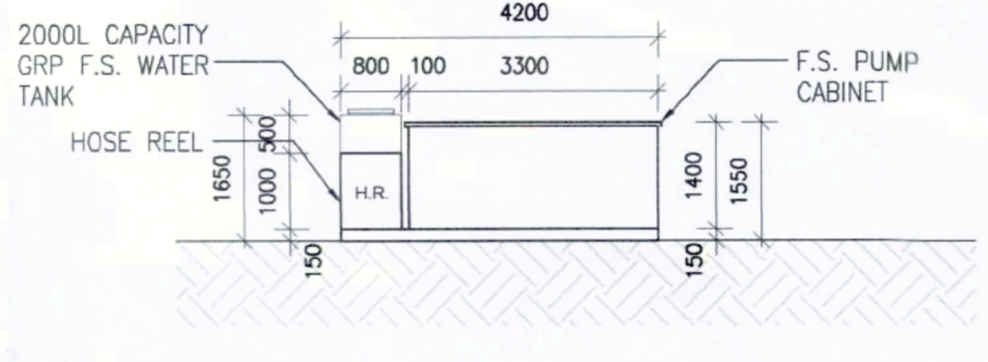
E&M CABINETS
ELEVATION 1:100 ③



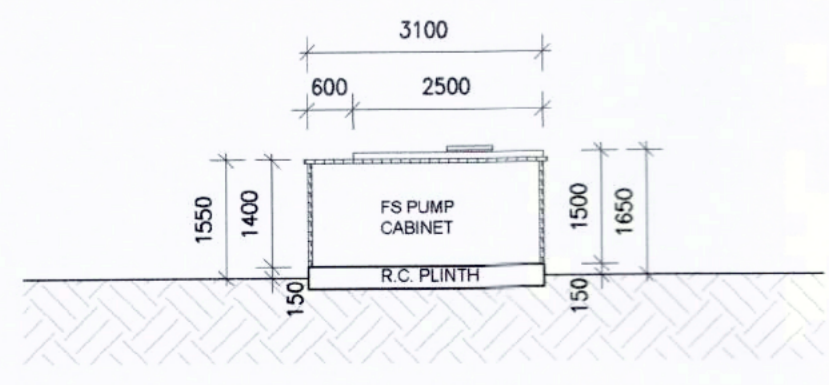
E&M CABINETS
ELEVATION 1:100 ④



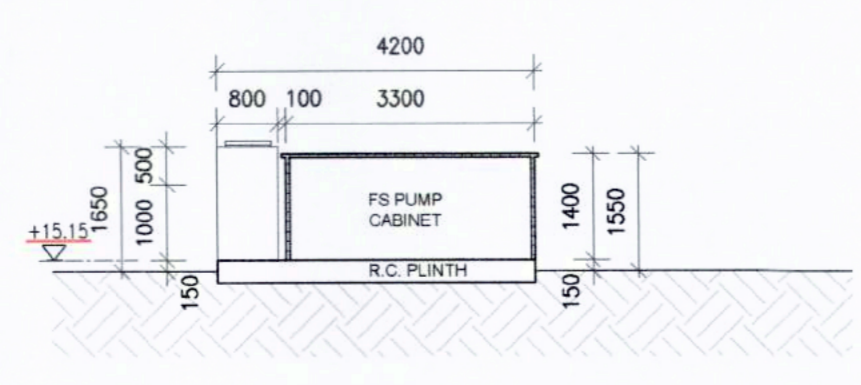
E&M CABINETS
ELEVATION 1:100 ⑤



E&M CABINETS
ELEVATION 1:100 ⑥



E&M CABINETS
SECTION 1:100 ⑦



E&M CABINETS
SECTION 1:100 ⑧

B.D. Ref. : 2/916/20(TB)
F.S.D. Ref. : 8/31456

NOTES :
Check all measurement on site. Do not scale off drawings.
This drawing to be read in conjunction with the Specification and other related drawings. Any discrepancies are to be immediately reported to the Architect.
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DEVELOPER-
香港建造學院 HONG KONG INSTITUTE OF CONSTRUCTION

ARCHITECT / DESIGNER -
A LEAD architects Ltd. 領建建築師事務所有限公司

STRUCTURAL & GEOTECHNICAL CONSULTANT -
Kewisk Engineering & Consulting Co. Limited

MEP CONSULTANT -
PineBridge Consulting Limited

Revision	Description	Date
D	GBP 2ND AMENDMENT	08/11/2021
C	GBP 1ST AMENDMENT	31/08/2021
B	GBP RE-SUBMISSION	04/03/2021
A	GBP RE-SUBMISSION	05/02/2021
-	GBP SUBMISSION	03/12/2020

AMENDMENT 3 NOV 2021

B.D. [Signature] MOK CHI KIN

Project :
Proposed Training Ground for Construction Industry Council on Government land (STT No. MX 18030 : CS-226) underneath Kong Sham Western Highway off Wong Kong Wai Road, Tuen Mun

Job No. : H-20003 (B)

Drawing Title : E&M CABINET G/F PLAN, ROOF PLAN, ELEVATION, SECTION

Drawn : SY	Design : ET
Checked : WU	Authorized : ET
Scale @A1 : AS SHOWN	Issue Date : DECEMBER 2020

Authority's Approval :
[Signature]
Senior Building Surveyor for BUILDING AUTHORITY
08 DEC 2021

Drawing No. : 202
Revision : D

NOTE: This plan has been processed on a curtailed check basis under the centralized processing system as envisaged in PNAP A24-15. The duties of the gazetted person, registered structural engineer and/or registered geotechnical engineer concerned as specified under section 4(2)(b) and the provision of section 14(2)(c) of the Buildings Ordinance are of particular relevance in this regard.

CAD REF : P:\V20003-CIC Training Ground_Lem_Ten\06-00 SUBMISSION\GBP\211104_2nd GBP Amendment\211104_201_CS-226_FS.dwg

RECEIVED BY
2021 NOV 10 P 5:15
R & D Registry (BDOs)
BUILDINGS DEPARTMENT



B.D. Ref. : 2/9161/20(10)
 F.S.D. Ref. : 8/31456

NOTES :
 Check all measurement on site. Do not scale off drawings.
 This drawing to be read in conjunction with the Specification and other related drawings. Any discrepancies are to be immediately reported to the Architect.
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DEVELOPER -

ARCHITECT / DESIGNER -

 A.LEAD architects Ltd.
 建築師事務所有限公司
 Tel: (852) 25432220 Fax: (852) 25432291 Email: info@leadarchitect.com

STRUCTURAL & GEOTECHNICAL CONSULTANT -

 Kewisk Engineering & Consulting Co. Limited

MEP CONSULTANT -

 PineBridge Consulting Limited

1	AS-FITTED	15/09/2022
-	GBP SUBMISSION	05/12/2020

Revision Description Date

AUTHORIZED PERSON (LIST A):

 Mok Chi Kin

Project :
 Proposed Training Ground for Construction Industry Council on Government land (ST No. MX 18030 : CS-225) underneath Kong Sham Western Highway off Wong Kong Wai Road, Tuen Mun

Job No. :
 H-20003 (A)

Drawing Title :
 FIRE SERVICE LAYOUT FOR GROUND FLOOR - CS-225

Drawn :	SY	Design :	ET
Checked :	WU	Authorised :	ET

Scale 0/1 : AS SHOWN Issue Date DECEMBER 2020
 Status :

Authority's Approval :

Drawing No. : FS-002 **Revision :** -



B.D. Ref : 2/9161/20(18)
 F.S.D. Ref : 8/31456

NOTES :
 Check all measurement on site. Do not scale off drawings.
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ARCHITECT / DESIGNER
 A. LEAD architects Ltd.
 建築師事務所有限公司
 Tel: (852) 25432222 Fax: (852) 25432291 Email: info@leadarchitects.com

STRUCTURAL & GEOTECHNICAL CONSULTANT
 Kewisk Engineering & Consulting Co. Limited

MEP CONSULTANT
 PineBridge Consulting Limited

Revision	Description	Date
1	AS-FITTED	15/09/2022
-	CBP SUBMISSION	03/12/2020

Revision	Description	Date
1	AS-FITTED	15/09/2022
-	CBP SUBMISSION	03/12/2020

AUTHORIZED PERSON (LIST A):

 MOK CHI KIN

Project :
 Proposed Training Ground for Construction Industry Council on Government land (STT No. MX 18030 : CS-225) underneath Kong Sham Western Highway off Wong Kong Wai Road, Tuen Mun

Job No. :
 H-20003 (A)

Drawing Title :
 FIRE SERVICE LAYOUT FOR GROUND FLOOR - CS-226

Drawn :	SY	Design :	ET
Checked :	WU	Authorised :	ET

Scale: 0/1 : AS SHOWN Issue Date: DECEMBER 2020

Status :

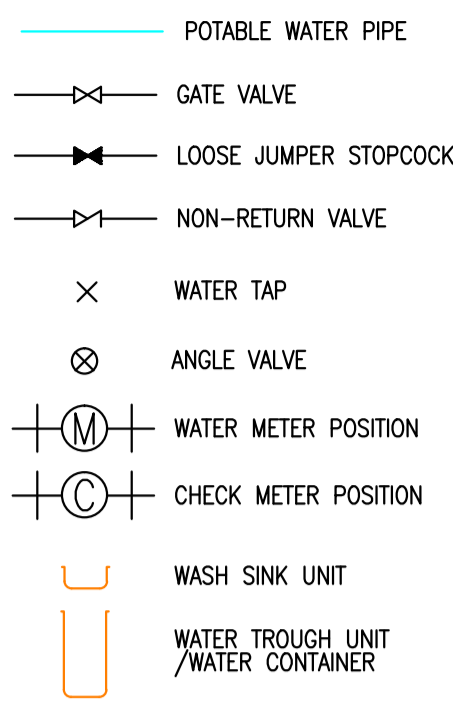
Authority's Approval :

Drawing No. :	FS-003	Revision :	-
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GENERAL NOTES FOR PLUMBING SERVICES

- UNLESS OTHERWISE STIPULATED, ALL DIMENSIONS BE IN MILLIMETERS (mm).
- WATER METERS AND CHECK METER POSITION SHALL BE INSTALLED IN HORIZONTAL POSITION.
- ALL PIPE AND FITTINGS SHALL BE THE MATERIALS ACCEPTED BY WSD AND LAID IN ACCORDANCE WITH THE REQUIREMENTS OF THE WATER AUTHORITY.
- ALL PLUMBING INSTALLATION SHALL BE CARRIED OUT BY LICENSED PLUMBER SUBJECT TO THE REGULATIONS OF THE WATER AUTHORITY.
- ALL PIPE SHALL BE LESS THAN 20MM, EXCEPT THAT A BRANCH PIPE MAY BE 15MM DIAMETER IF THE PIPE RUN IS LESS THAN 1.5M FROM DRAW-OFF POINT AND PIPE SUPPLIES ONLY ONE DRAW-OFF POINT.
- ALL PLUMBING PIPEWORK SHALL BE INSPECTED BY THE REPRESENTATIVE OF THE WATER AUTHORITY / AUTHORITY PERSON BEFORE BACK-FILLED OR COVERED.
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- NO WATER PIPE WILL BE EMBEDDED IN LOAD BEARING STRUCTURAL ELEMENTS.
- NO PIPE JOINTS SHALL BE PERMITTED WITHIN THE THICKNESS OF WALLS OR FLOORS.
- THE CURRENT MINIMUM COVER REQUIREMENT STATED IN THE CONDITION OF EXCAVATION PERMIT ARE 450mm AND 900mm ON NON-CARRIAGEWAY AND CARRIAGEWAY RESPECTIVELY.
- PIPE SLEEVE TO BE PROVIDE FOR PIPEWORK ACROSS THE CARRIAGEWAYS.

LEGEND



ABBREVIATION

- T/A TO ABOVE
- T/B TO BELOW
- F/A FROM ABOVE
- F/B FROM BELOW
- U/G UNDERGROUND
- A/G ABOVEGROUND
- CWP COLD WATER PIPE
- PE HIGH DENSITY POLYETHYLENE
- U TO D UP TO DOWN
- L TO R LEFT TO RIGHT

TABLE OF EQUIVALENT NORMAL SIZE

NORMAL DIAMETER (IN MM)	EQUIVALENT NORMAL SIZE OF PE PIPE (O.D. IN MM)	EQUIVALENT NORMAL SIZE OF COPPER PIPE (IN MM)
ø20	ø25	ø22
ø25	ø32	ø28
ø32	ø40	ø35
ø40	ø50	ø42
ø50	ø63	ø54

ASSUME TRAINING CENTER OPENING HOURS = 8 HOURS

ESTIMATION DAILY WATER CONSUMPTION OF CS-225 FOR HAND WASHING & SHELTERS USE

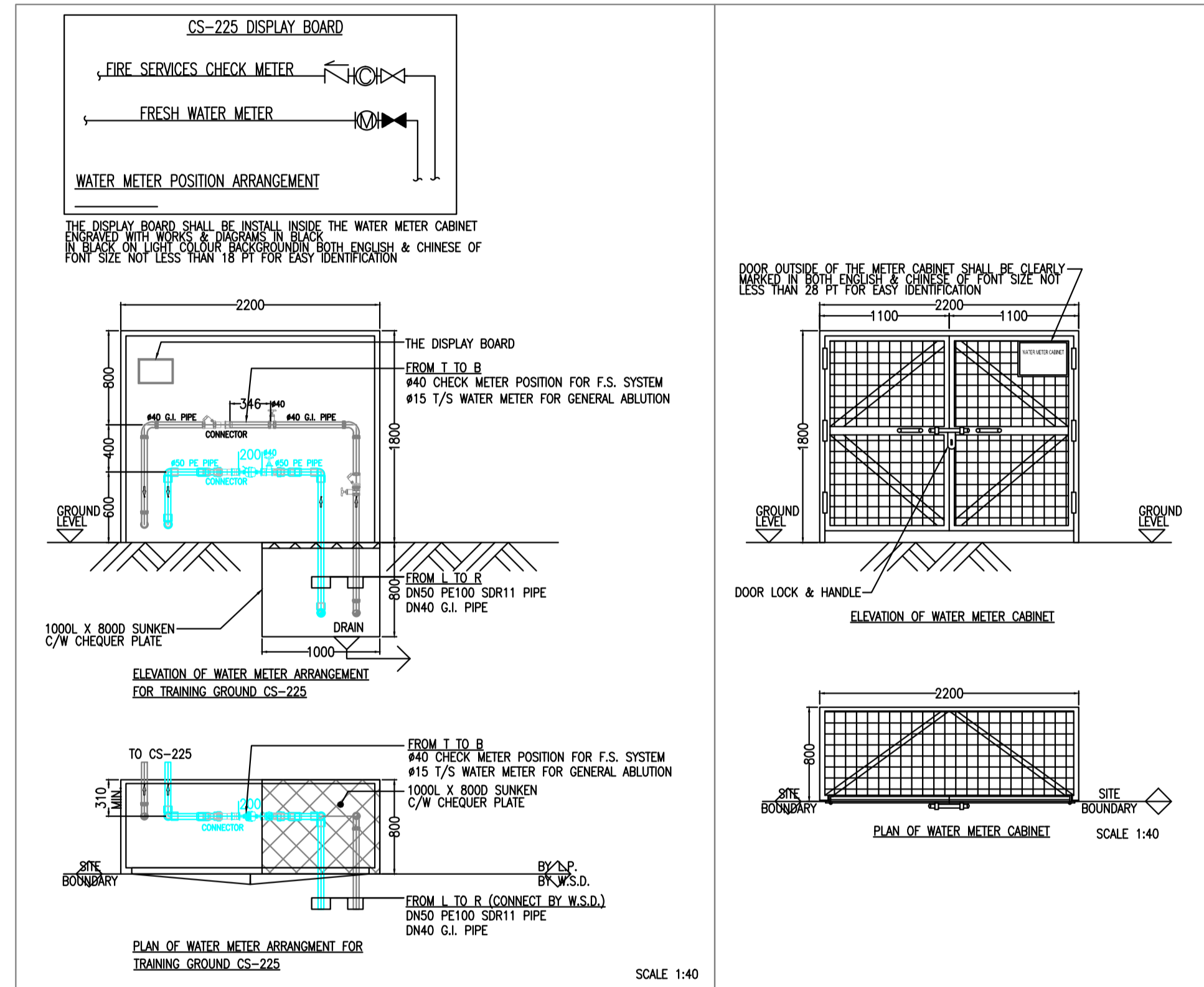
(A) NO. OF WATER TAP FOR BASIN	= 17 NOS.
(B) FLOW RATE OF EACH WATER TAP	= 0.15 LIT./SEC.
(C) TOTAL FLOW RATE	= 17 X 0.15 LIT./SEC. = 2.55 LIT./SEC.
(D) ESTIMATED OPERATION TIME OF EACH WATER TAP PER DAY	= 20 MIN.
(E) TOTAL DAILY WATER CONSUMPTION	= 2.55 X 20 X 60 = <u>3060 LIT./DAY</u>

DRAWING SCHEDULE

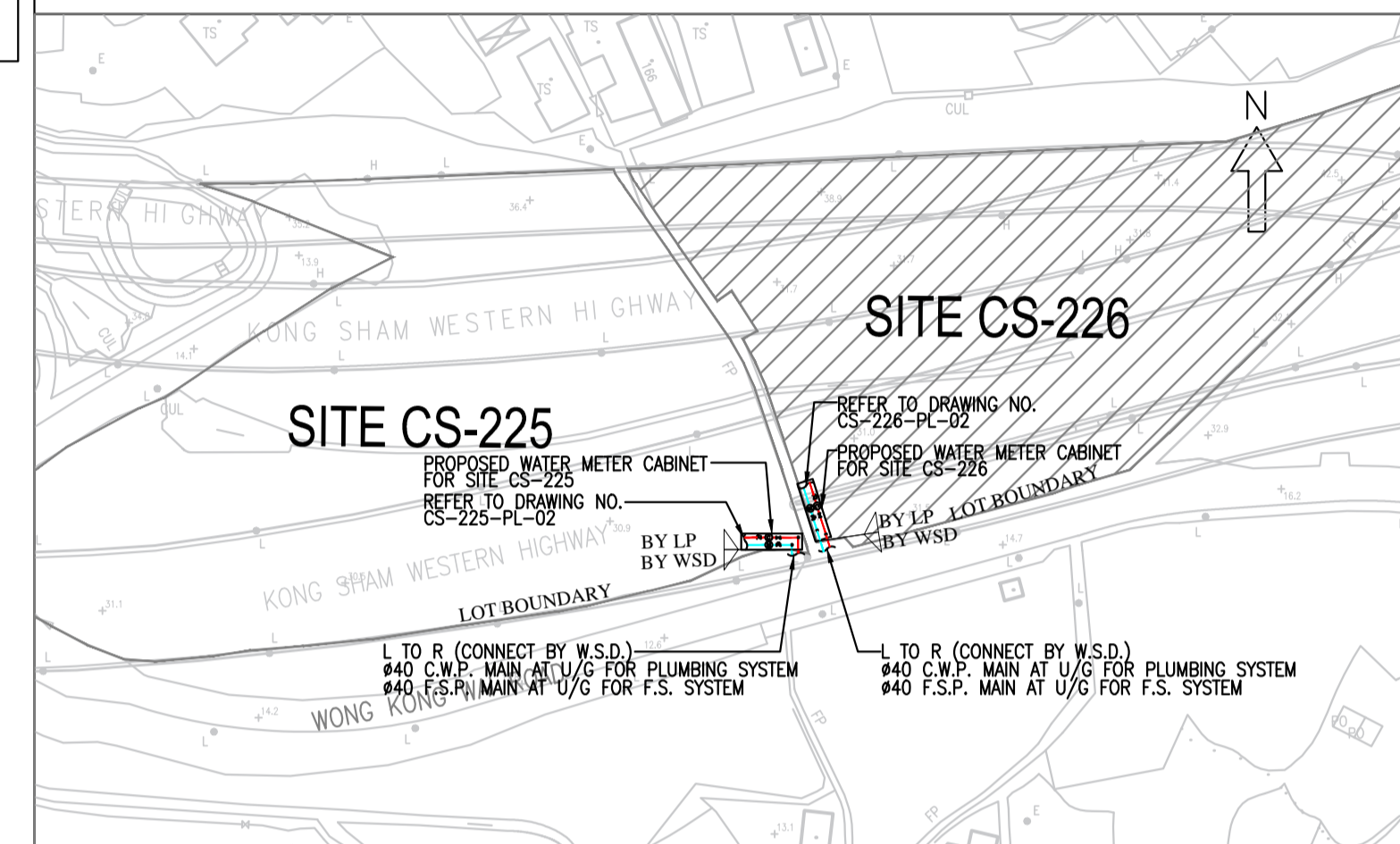
DRAWING NUMBER	DRAWING TITLE
CS-225-P-001	LEGEND, NOTES, ABBREVIATION, VERTICAL LINE DIAGRAM FOR POTABLE WATER SUPPLY & WATER METER DETAIL
CS-225-P-002	PLUMBING LAYOUT FOR CS-225 TRAINING GROUND FLOOR

MATERIAL SCHEDULE FOR PLUMBING SERVICES

SYSTEM	DESCRIPTION	PIPE SIZE (mm)	MATERIAL
POTABLE WATER SUPPLY	SUPPLY AND DISTRIBUTION PIPES FOR ABOVEGROUND AND CONNECT TO SHELTERS	ø25 to ø50	HIGH DENSITY POLYETHYLENE IN BLACK COLOR (PE100 SDR11) PIPE & FITTING TO ISO4427:1996, B.S.6920:2000+2014, BSEN 12201-2-2011+A1:2013, SOCKET BUTT FUSION JOINT AND ELECTRO FUSION JOINT
	PIPE WORKS CONNECT TO WATER TAP & EQUIPMENTS	ø15 to ø42	COPPER TUBE TO BSEN 1057 2006+A1:2010 R250 AND R290, COPPER FITTINGS WITH SOLDER JOINTS TO BSEN 1254-1 & 2



SITE LOCATION PLAN SCALE 1:5000



SITE PLAN SCALE 1:1000 (WATER MAIN CONNECTION)



REV.	DESCRIPTION	DATE
A	WSD RE-SUBMISSION	05/2021
0	WSD SUBMISSION	11/2020

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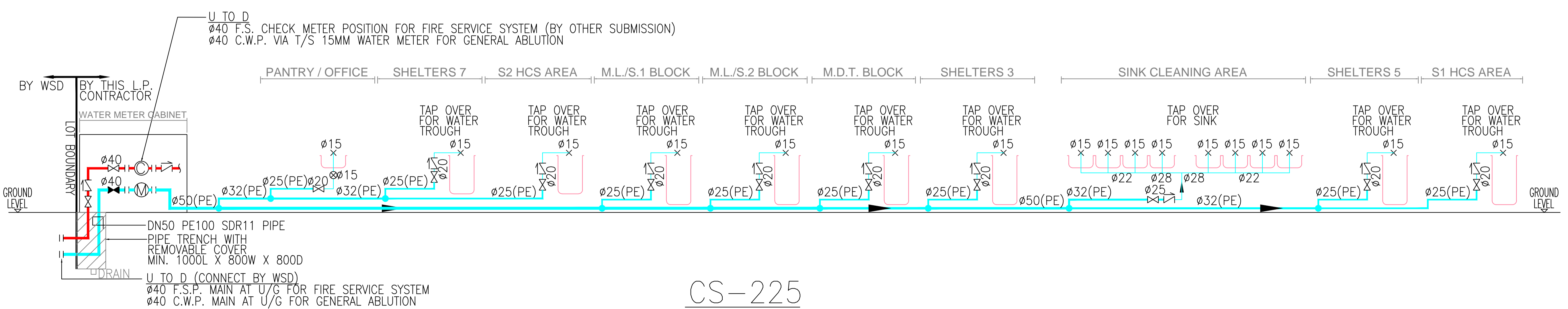
MAIN CONTRACTOR:
NEW PROGRESS CONSTRUCTION CO. LTD.

P&D CONTRACTOR:
 樂希 (思進) 工程有限公司
Lok Hei (CJ) Engineering Limited

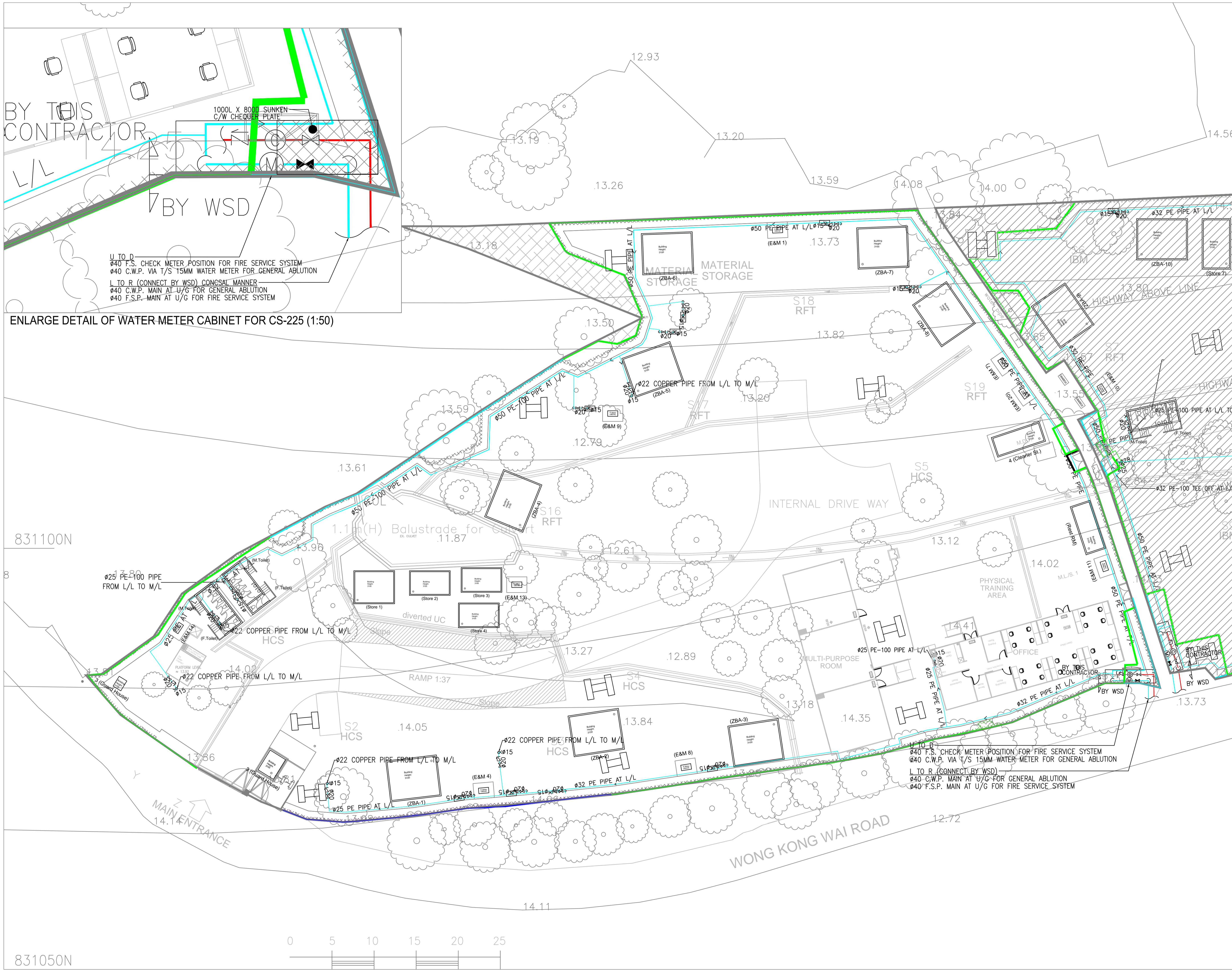
PROJECT TITLE:
CIC TRAINING GROUND AT LAM TEI, N.T., H.K. CS-225

DRAWING TITLE:
LEGEND, NOTES, ABBREVIATION, VERTICAL LINE DIAGRAM FOR POTABLE WATER SUPPLY & WATER METER DETAIL

DRAWN BY	SCALE	
J.L.	NTS@A1	
CHECKED BY	DATE	
A.C.	11/2020	
PROJECT NO.	DWG. NO.	REV.
C2021003	CS-225-P-001	A



CS-225



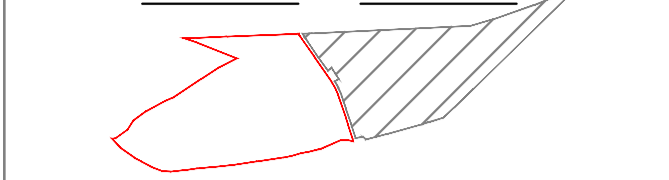
BY THIS CONTRACTOR

BY WSD

U TO D
 40 F.S. CHECK METER POSITION FOR FIRE SERVICE SYSTEM
 40 C.W.P. VIA T/S 15MM WATER METER FOR GENERAL ABLUTION
 L TO R (CONNECT BY WSD) CONCSAL MANNER
 40 C.W.P. MAIN AT U/G FOR GENERAL ABLUTION
 40 F.S.P. MAIN AT U/G FOR FIRE SERVICE SYSTEM

ENLARGE DETAIL OF WATER METER CABINET FOR CS-225 (1:50)


KEY PLAN :
 CS-225 CS-226



REV.	DESCRIPTION	DATE
B	AS-FITTED	09/2022
A	WSD RE-SUBMISSION	05/2021
0	WSD SUBMISSION	11/2020

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MAIN CONTRACTOR :
NEW PROGRESS CONSTRUCTION CO. LTD.

P&D CONTRACTOR :
 樂希 (思進) 工程有限公司
 Lok Hei (CJ) Engineering Limited

PROJECT TITLE :
CIC TRAINING GROUND AT LAM TEI, N.T., H.K. CS-225

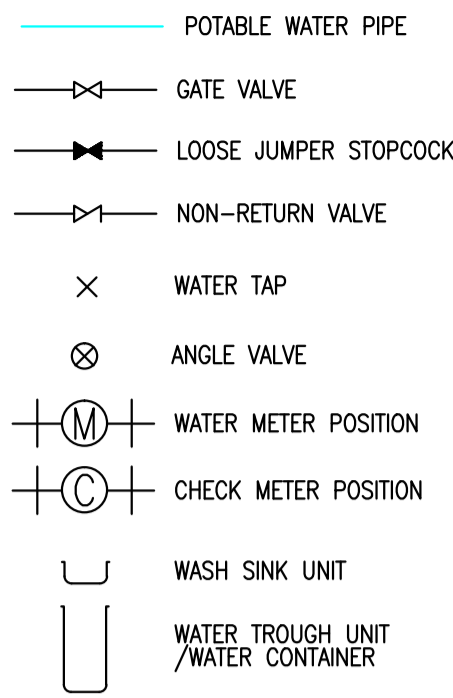
DRAWING TITLE :
PLUMBING LAYOUT FOR CS-225 TRAINING GROUND FLOOR

DRAWN BY J.L.	SCALE 1:200@A1
CHECKED BY A.C.	DATE 11/2020
PROJECT NO. C2021003	DWG. NO. CS-225-P-002
	REV. A

GENERAL NOTES FOR PLUMBING SERVICES

- UNLESS OTHERWISE STIPULATED, ALL DIMENSIONS BE IN MILLIMETERS (mm).
- WATER METERS AND CHECK METER POSITION SHALL BE INSTALLED IN HORIZONTAL POSITION.
- ALL PIPE AND FITTINGS SHALL BE THE MATERIALS ACCEPTED BY WSD AND LAID IN ACCORDANCE WITH THE REQUIREMENTS OF THE WATER AUTHORITY.
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- ALL PIPE SHALL BE LESS THAN 20MM, EXCEPT THAT A BRANCH PIPE MAY BE 15MM DIAMETER IF THE PIPE RUN IS LESS THAN 1.5M FROM DRAW-OFF POINT AND PIPE SUPPLIES ONLY ONE DRAW-OFF POINT.
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- NO WATER PIPE WILL BE EMBEDDED IN LOAD BEARING STRUCTURAL ELEMENTS.
- NO PIPE JOINTS SHALL BE PERMITTED WITHIN THE THICKNESS OF WALLS OR FLOORS.
- THE CURRENT MINIMUM COVER REQUIREMENT STATED IN THE CONDITION OF EXCAVATION PERMIT ARE 450mm AND 900mm ON NON-CARRIAGEWAY AND CARRIAGEWAY RESPECTIVELY.
- PIPE SLEEVE TO BE PROVIDE FOR PIPEWORK ACROSS THE CARRIAGEWAYS.

LEGEND



ABBREVIATION

- T/A TO ABOVE
- T/B TO BELOW
- F/A FROM ABOVE
- F/B FROM BELOW
- U/G UNDERGROUND
- A/G ABOVEGROUND
- CWP COLD WATER PIPE
- PE HIGH DENSITY POLYETHYLENE
- U TO D UP TO DOWN
- L TO R LEFT TO RIGHT

TABLE OF EQUIVALENT NORMAL SIZE

NORMAL DIAMETER (IN MM)	EQUIVALENT NORMAL SIZE OF PE PIPE (O.D. IN MM)	EQUIVALENT NORMAL SIZE OF COPPER PIPE (IN MM)
Ø20	Ø25	Ø22
Ø25	Ø32	Ø28
Ø32	Ø40	Ø35
Ø40	Ø50	Ø42
Ø50	Ø63	Ø54

ASSUME TRAINING CENTER OPENING HOURS = 8 HOURS

ESTIMATION DAILY WATER CONSUMPTION OF CS-226 FOR HAND WASHING & SHELTERS USE

(A) NO. OF WATER TAP FOR BASIN	= 15 NOS.
(B) FLOW RATE OF EACH WATER TAP	= 0.15 LIT./SEC.
(C) TOTAL FLOW RATE	= 15 X 0.15 LIT./SEC. = 2.25 LIT./SEC.
(D) ESTIMATED OPERATION TIME OF EACH WATER TAP PER DAY	= 20 MIN.
(E) TOTAL DAILY WATER CONSUMPTION	= 2.25 X 20 X 60 = 2700 LIT./DAY

DRAWING SCHEDULE

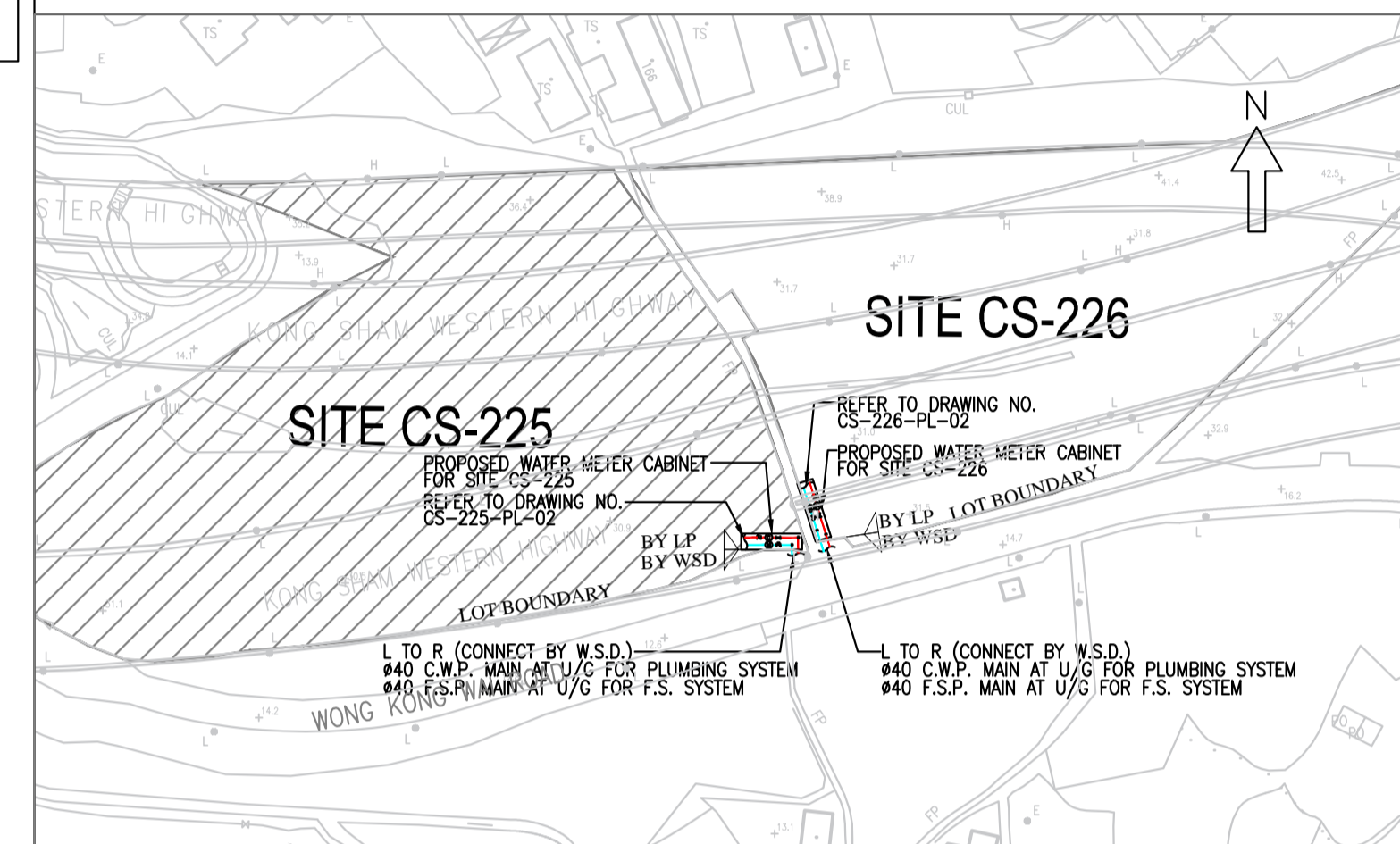
DRAWING NUMBER	DRAWING TITLE
CS-226-P-001	LEGEND, NOTES, ABBREVIATION, VERTICAL LINE DIAGRAM FOR POTABLE WATER SUPPLY & WATER METER DETAIL
CS-226-P-002	PLUMBING LAYOUT FOR CS-226 TRAINING GROUND FLOOR

MATERIAL SCHEDULE FOR PLUMBING SERVICES

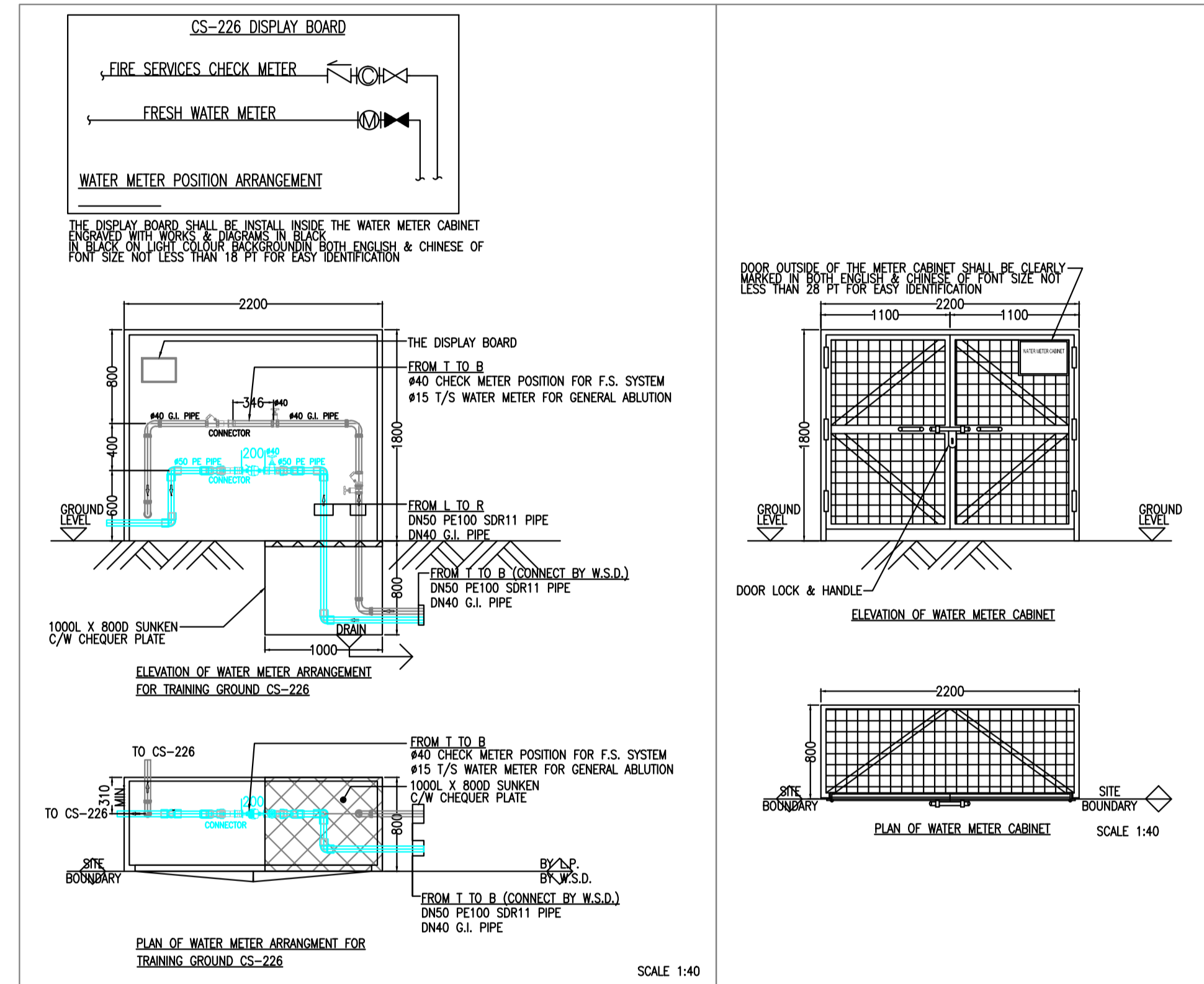
SYSTEM	DESCRIPTION	PIPE SIZE (mm)	MATERIAL
POTABLE WATER SUPPLY	SUPPLY AND DISTRIBUTION PIPES FOR ABOVEGROUND AND CONNECT TO SHELTERS	Ø25 to Ø50	HIGH DENSITY POLYETHYLENE IN BLACK COLOR (PE100 SDR11) PIPE & FITTING TO ISO4427:1996, B.S.6920:2000+2014, BSEN 12201-2-2011+A1:2013, SOCKET BUTT FUSION JOINT AND ELECTRO FUSION JOINT
	PIPE WORKS CONNECT TO WATER TAP & EQUIPMENTS	Ø15 to Ø42	COPPER TUBE TO BSEN 1057 2006+A1:2010 R250 AND R290, COPPER FITTINGS TO BSEN 1254-1 & 2

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SITE LOCATION PLAN SCALE 1:5000



SITE PLAN SCALE 1:1000 (WATER MAIN CONNECTION)



REV.	DESCRIPTION	DATE
A	WSD RE-SUBMISSION	05/2021
0	WSD SUBMISSION	11/2020

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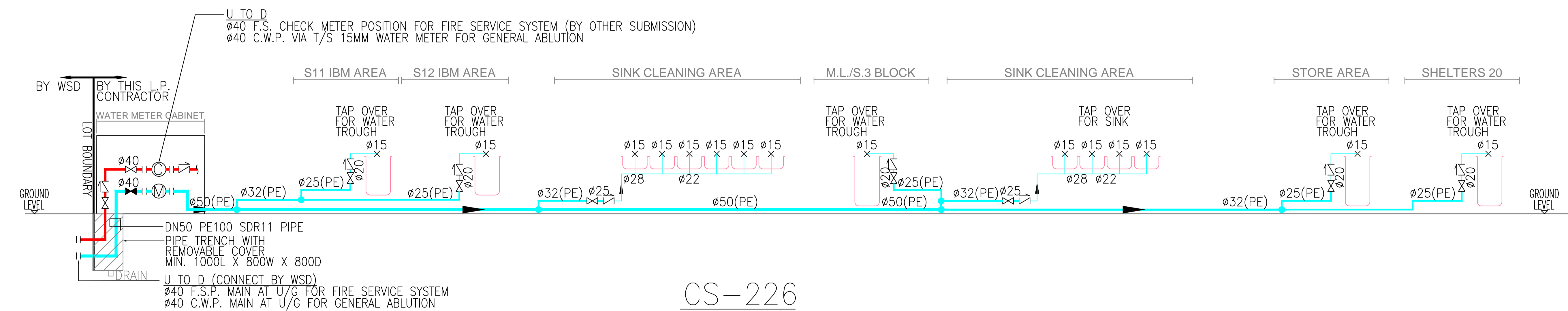
MAIN CONTRACTOR:
NEW PROGRESS CONSTRUCTION CO. LTD.

P&D CONTRACTOR:
 樂希 (思進) 工程有限公司
Lok Hei (CJ) Engineering Limited

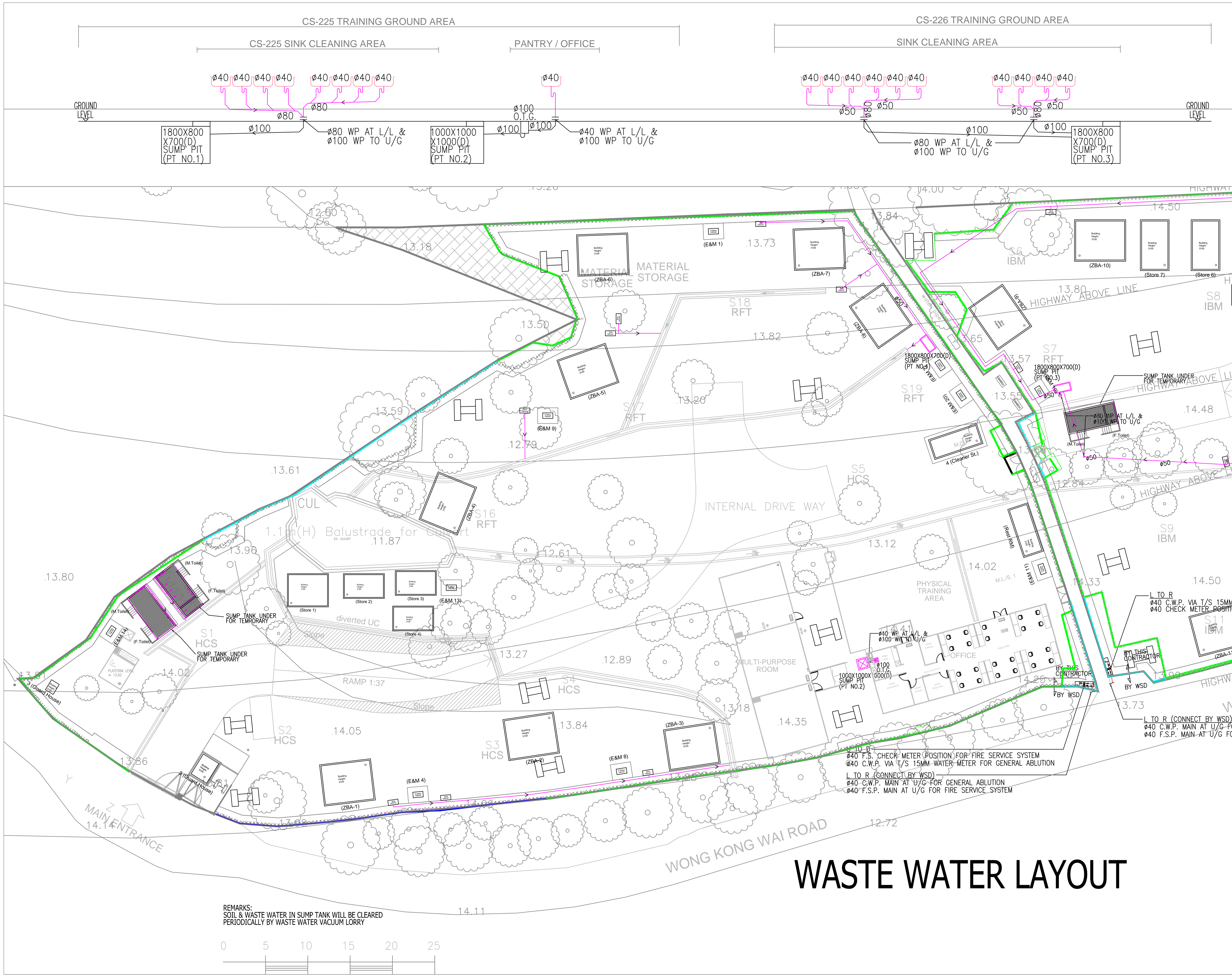
PROJECT TITLE:
CIC TRAINING GROUND AT LAM TEI, N.T., H.K. CS-226

DRAWING TITLE:
LEGEND, NOTES, ABBREVIATION, VERTICAL LINE DIAGRAM FOR POTABLE WATER SUPPLY & WATER METER DETAIL

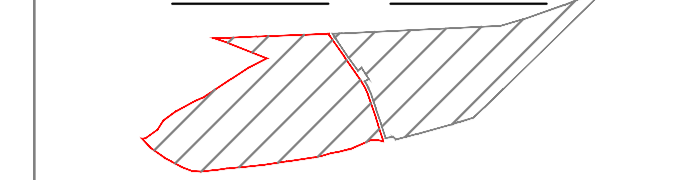
DRAWN BY	SCALE	
J.L.	NTS@A1	
CHECKED BY	DATE	
A.C.	11/2020	
PROJECT NO.	DWG. NO.	REV.
C2021003	CS-226-P-003	A



CS-226




KEY PLAN :
 CS-225 CS-226



REV.	DESCRIPTION	DATE
B	AS-FITTED	09/2022
A	WSD RE-SUBMISSION	05/2021
0	WSD SUBMISSION	11/2020

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MAIN CONTRACTOR :
NEW PROGRESS CONSTRUCTION CO. LTD.

P&D CONTRACTOR :
 樂希 (思進) 工程有限公司
 Lok Hei (CJ) Engineering Limited

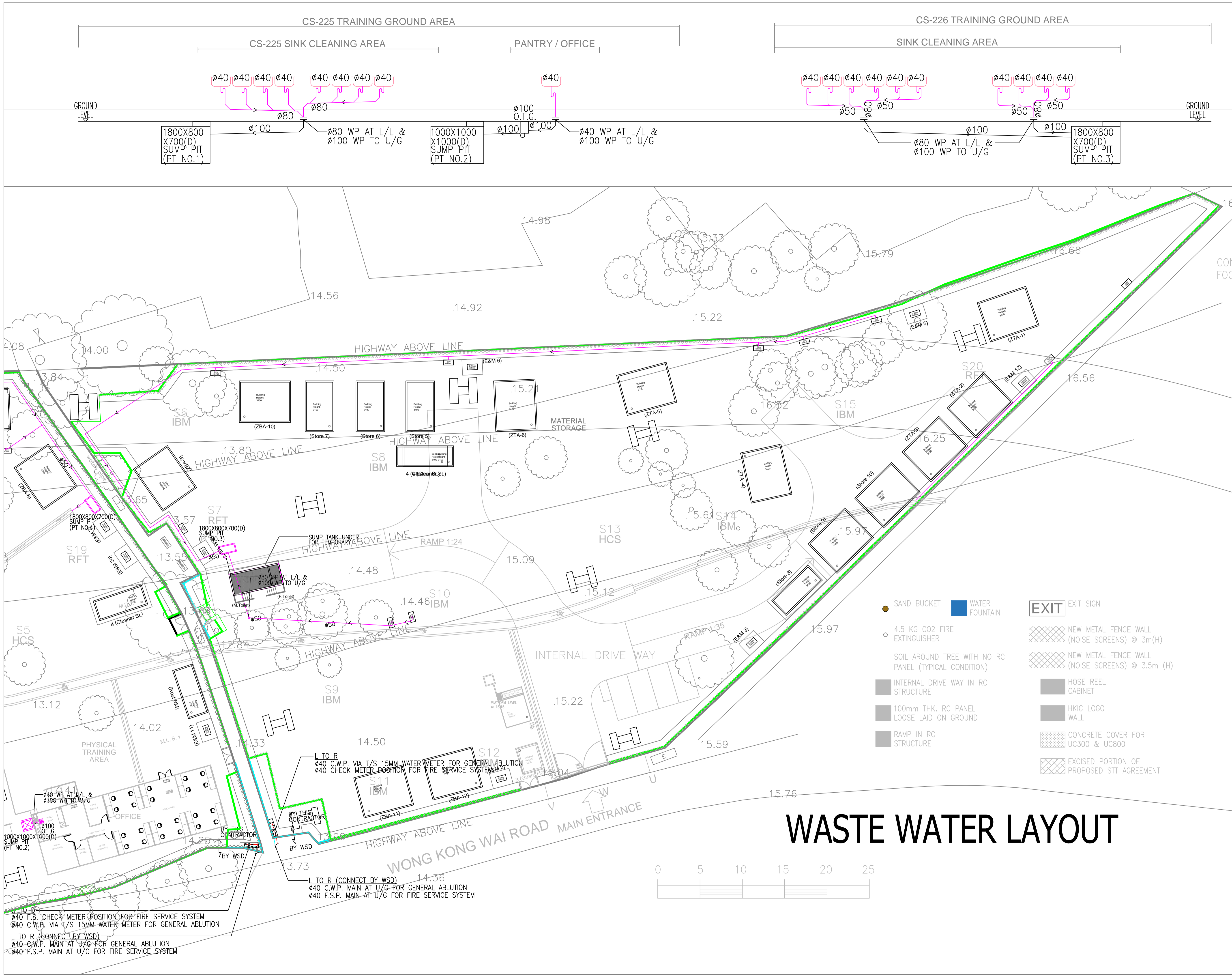
PROJECT TITLE :
CIC TRAINING GROUND AT LAM TEI, N.T., H.K.

DRAWING TITLE :
DRAINAGE LAYOUT FOR CS-225 & CS-226 TRAINING GROUND FLOOR

DRAWN BY J.L.	SCALE 1:200@A1
CHECKED BY A.C.	DATE 11/2020
PROJECT NO. C2021003	DWG. NO. P-005
	REV. A

REMARKS:
 SOIL & WASTE WATER IN SUMP TANK WILL BE CLEARED PERIODICALLY BY WASTE WATER VACUUM LORRY

WASTE WATER LAYOUT



REV.	DESCRIPTION	DATE
B	AS-FITTED	09/2022
A	WSD RE-SUBMISSION	05/2021
0	WSD SUBMISSION	11/2020

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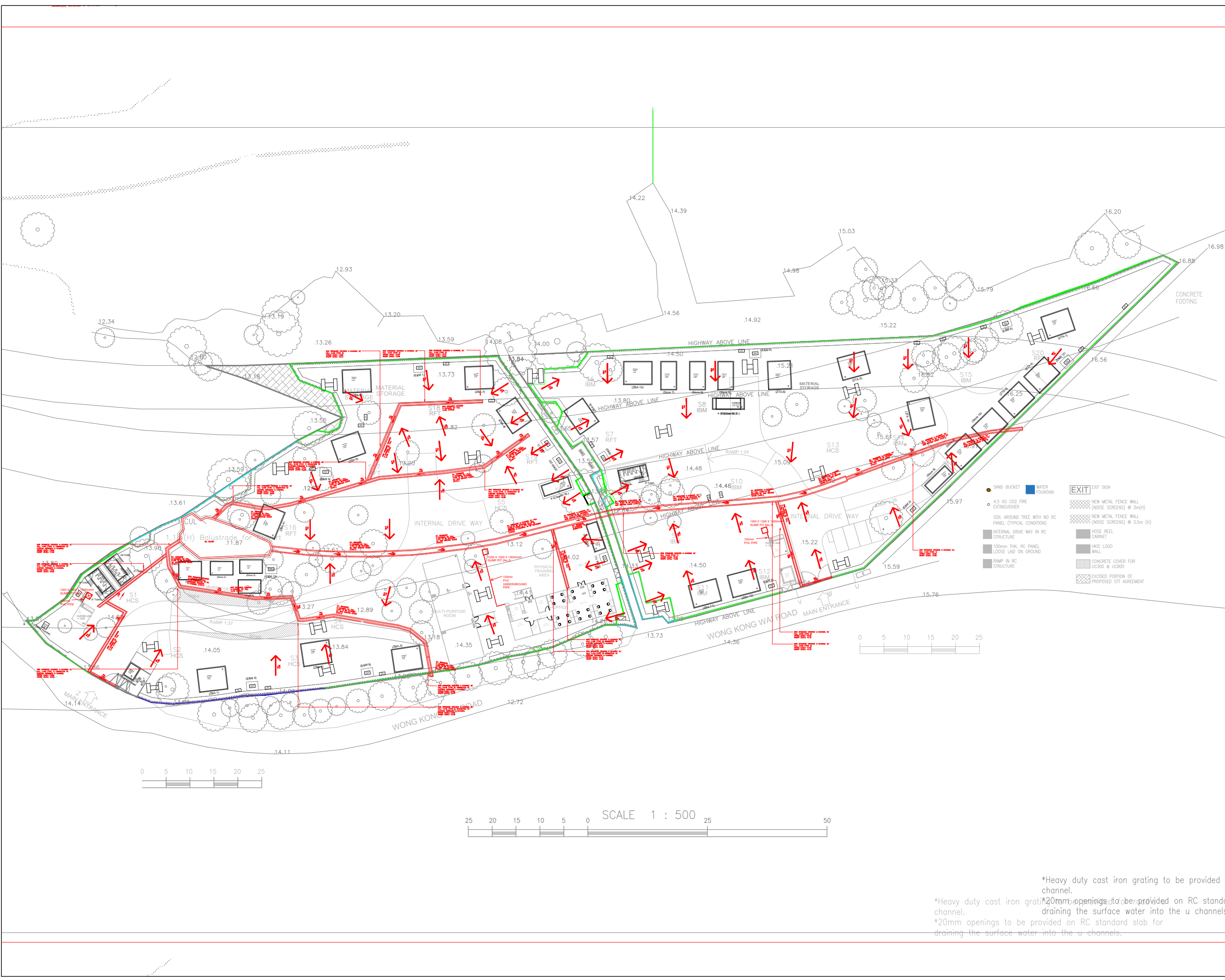
MAIN CONTRACTOR:
NEW PROGRESS CONSTRUCTION CO. LTD.

P&D CONTRACTOR:
樂希 (思進) 工程有限公司
Lok Hei (CJ) Engineering Limited

PROJECT TITLE:
CIC TRAINING GROUND AT LAM TEI, N.T., H.K.

DRAWING TITLE:
DRAINAGE LAYOUT FOR CS-225 & CS-226 TRAINING GROUND FLOOR

DRAWN BY J.L.	SCALE 1:200@A1
CHECKED BY A.C.	DATE 11/2020
PROJECT NO. C2021003	DWG. NO. P-006
	REV. A



B.D. Ref. : 2/9161/20(18)
 F.S.D. Ref. : 8/31456

NOTES :
 Check all measurement on site. Do not scale off drawings.
 This drawing to be read in conjunction with the Specification and other related drawings. Any discrepancies are to be immediately reported to the Architect.
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Revision	Description	Date
D	AS-FITTED	15/08/2022
C	GBP RE-SUBMISSION	17/05/2022
B	GBP RE-SUBMISSION	10/01/2022
A	GBP RE-SUBMISSION	03/05/2021
-	GBP SUBMISSION	03/12/2020

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D	AS-FITTED	15/08/2022
C	GBP RE-SUBMISSION	17/05/2022
B	GBP RE-SUBMISSION	10/01/2022
A	GBP RE-SUBMISSION	03/05/2021
-	GBP SUBMISSION	03/12/2020

AUTHORIZED PERSON (LIST A):

 Mok Chi Kin

Project :
 Proposed Training Ground for Construction Industry Council on Government land (STT No. MX 18030 : CS-225) underneath Kong Sham Western Highway off Wong Kong Wai Road, Tuen Mun

Job No. :
 H-20003 (A)

Drawing Title :
 AS-FITTED DRAINAGE PLAN FOR QIC TRAINING GROUND AT LAM TEI-CS-225 & 226

Drawn :	SY	Design :	ET
Checked :	WU	Authorised :	ET
Scale :	A1 : AS SHOWN	Issue Date :	MAY 2022

Status :

Authority's Approval :

Drawn : SY
Checked : WU
Scale : A1 : AS SHOWN
Status :

Drawn No. : PD-007
Revision : C

*Heavy duty cast iron grating to be provided for channel.
 *Heavy duty cast iron grating with 20mm openings to be provided on RC standard draining the surface water into the u channels.
 *20mm openings to be provided on RC standard slab for draining the surface water into the u channels.