

Appendix 1

Approved Fire Service Installations Proposal and
Approval Letter for Compliance with Approval Condition (g)
of the Last Application No. A/YL-KTS/946

Proposed Temporary Warehouse for Storage of Construction Materials (Timber and Metal) for a Period of 3 Years at Lots 123 (Part), 124 (part), 125 (Part), 126 (Part), 127 (Part) in D.D.113 and Adjoining Government Land, Ma On Kong, Kam Tin South, Yuen Long, N.T.

F.S.NOTES:

1. GENERAL

- 1.1 FIRE SERVICE INSTALLATIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE CODES OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT AND INSPECTION, TESTING AND MAINTENANCE OF INSTALLATIONS AND EQUIPMENT 2022 (COP 2022), FSD CIRCULAR LETTERS AND THE HONG KONG WATERWORKS STANDARD REQUIREMENTS.
- 1.2 ALL TUBES AND FITTINGS SHALL BE G.M.S. TO BS1387 MEDIUM GRADE WHERE PIPEWORK UP TO Ø150mm.
- 1.3 ALL TUBES AND FITTINGS SHALL BE DUCTILE IRON TO BS EN545 K12 WHERE PIPEWORK ABOVE Ø150mm.
- 1.4 ALL DRAIN PIPES SHALL BE DISCHARGED TO A CONSPICUOUS POSITION WITHOUT THE POSSIBILITY OF BEING SUBMERGED.
- 1.5 ALL PUDDLE FLANGES SHALL BE MADE OF DUCTILE IRON
- 1.6 THE AGGREGATE AREA OF OPENABLE WINDOWS NOT LESS THAN 6.25% OF THE FLOOR AREA OF THE STRUCTURE
- 1.7 SMOKE EXTRACTION SYSTEM NOT TO BE PROVIDED.

2. HOSE REEL SYSTEM

- 2.1 NEW FIRE HOSE REEL SHALL BE PROVIDED AS INDICATED ON PLAN TO ENSURE THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30m HOSE REEL TUBING.
- 2.2 THE WATER SUPPLY FOR HOSE REEL SYSTEM WILL BE FED FROM A NEW 2m³ F.S. FIBREGLASS WATER TANK VIA TWO HOSE REEL PUMPS (DUTY/STANDBY) LOCATED INSIDE FS PUMP ROOM AT EXTERNAL AREA.
- 2.3 HOSE REEL PUMPS SHALL BE STARTED BY ACTUATION OF ANY BREAKGLASS UNIT FITTED ASIDE EACH HOSE REEL SETS
- 2.4 ALL FIRE HOSE REEL OUTLETS SHOULD BE HOUSED IN GLASS FRONTED CABINET SECURED UNDER LOCK & KEY.
- 2.5 ALL FIRE HOSE REEL SHOULD BE PROVIDED WITH FSD APPROVED TYPE INSTRUCTION PLATE & WSD WARNING PLATE
- 2.6 SECONDARY ELECTRICITY SUPPLY DIRECTLY TEE OFF BEFORE CLP'S INCOMING MAIN SWITCH SHALL BE PROVIDED FOR THE FS PUMPS.

3. AUTOMATIC SPRINKLER SYSTEM

- 3.1 NEW AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH LPC RULES FOR AUTOMATIC SPRINKLER INSTALLATIONS INCORPORATING BS EN 12845: 2015 (INCLUDING TECHNICAL BULLETINS, NOTES, COMMENTARY AND RECOMMENDATIONS) AND FSD CIRCULAR LETTER NO. 5/2020. THE CLASSIFICATION OF THE OCCUPANCIES WILL BE ORDINARY HAZARD GROUP III.
- 3.2 ONE NEW 135m³ SPRINKLER WATER TANK WILL BE PROVIDED AS INDICATED ON PLAN. THE TOWN MAIN WATER SUPPLY WILL BE FED FROM SINGLE END.
- 3.3 TWO NEW SPRINKLER PUMPS (DUTY/STANDBY) AND ONE JOCKEY PUMP SHALL BE PROVIDED IN FS PUMP ROOM LOCATED AT EXTERNAL AREA.
- 3.4 NEW SPRINKLER CONTROL VALVE SET AND SPRINKLER INLET SHALL BE PROVIDED AS INDICATED ON PLAN.
- 3.5 ALL SUBSIDIARY STOP VALVES TO BE ELECTRIC MONITORING TYPE.
- 3.6 SECONDARY ELECTRICITY SUPPLY DIRECTLY TEE OFF BEFORE CLP'S INCOMING MAIN SWITCH SHALL BE PROVIDED FOR THE SPRINKLER PUMPS.
- 3.7 THE SPRINKLER SYSTEM DESIGN IS BASED ON THE FOLLOWINGS:
HAZARD CLASS : ORDINARY HAZARD GROUP III
TYPE OF STORAGE : POST-PALLET (ST2)
STORAGE CATEGORY : CATEGORY II
MAXIMUM STORAGE HEIGHT : 3.5m
SPRINKLER PROTECTION : CEILING PROTECTION ONLY

4. FIRE ALARM SYSTEM

- 4.1 NEW FIRE ALARM SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH BS 5839-1:2017 AND FSD CIRCULAR LETTERS NO. 6/2021.
- 4.2 NEW BREAKGLASS UNITS AND FIRE ALARM BELLS SHALL BE PROVIDED AT ALL NEW FIRE HOSE REEL POINTS. THE FIRE ALARM INTALLATION WILL BE INTEGRATED WITH THE HOSE REEL SYSTEM.

5. EMERGENCY LIGHTING

- 5.1 EMERGENCY LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH 'BS 5266-1 :2016 AND BS EN 1838 :2013', AND FSD CIRCULAR LETTERS NO. 4/2021. COVERING ALL AREA. EMERGENCY LIGHTINGS SHALL BE BACKED UP BY BUILT-IN BATTERY AND CAPABLE OF MAINTAINING FUNCTION OF NOT LESS THAN 2 HOURS IN CASE OF POWER FAILURE

6. EXIT SIGN

- 6.1 ALL EXIT SIGNS/DIRECTIONAL EXIT SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH 'BS 5266-1 :2016 AND FSD CIRCULAR LETTER NO. 5/2008, FOR THE BUILDING. EXIT SIGNS/DIRECTIONAL EXIT SIGNS SHALL BE BACKED UP BY BUILT-IN BATTERY AND CAPABLE OF MAINTAINING FUNCTION OF NOT LESS THAN 2 HOURS IN CASE OF POWER FAILURE.

7. PORTABLE APPLIANCES

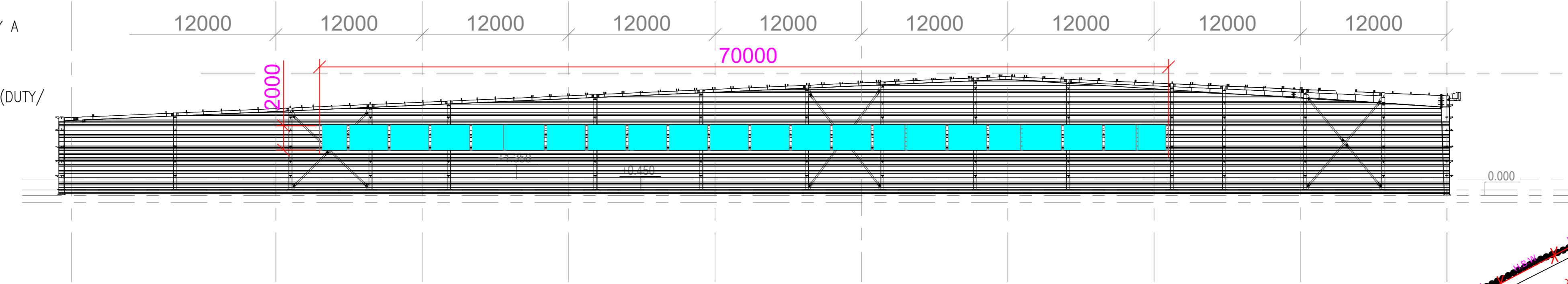
- 7.1 PORTABLE HAND OPERATED APPLIANCES SHALL BE PROVIDED AS INDICATED ON PLAN.

Structure 1 Openable Windows Calculation

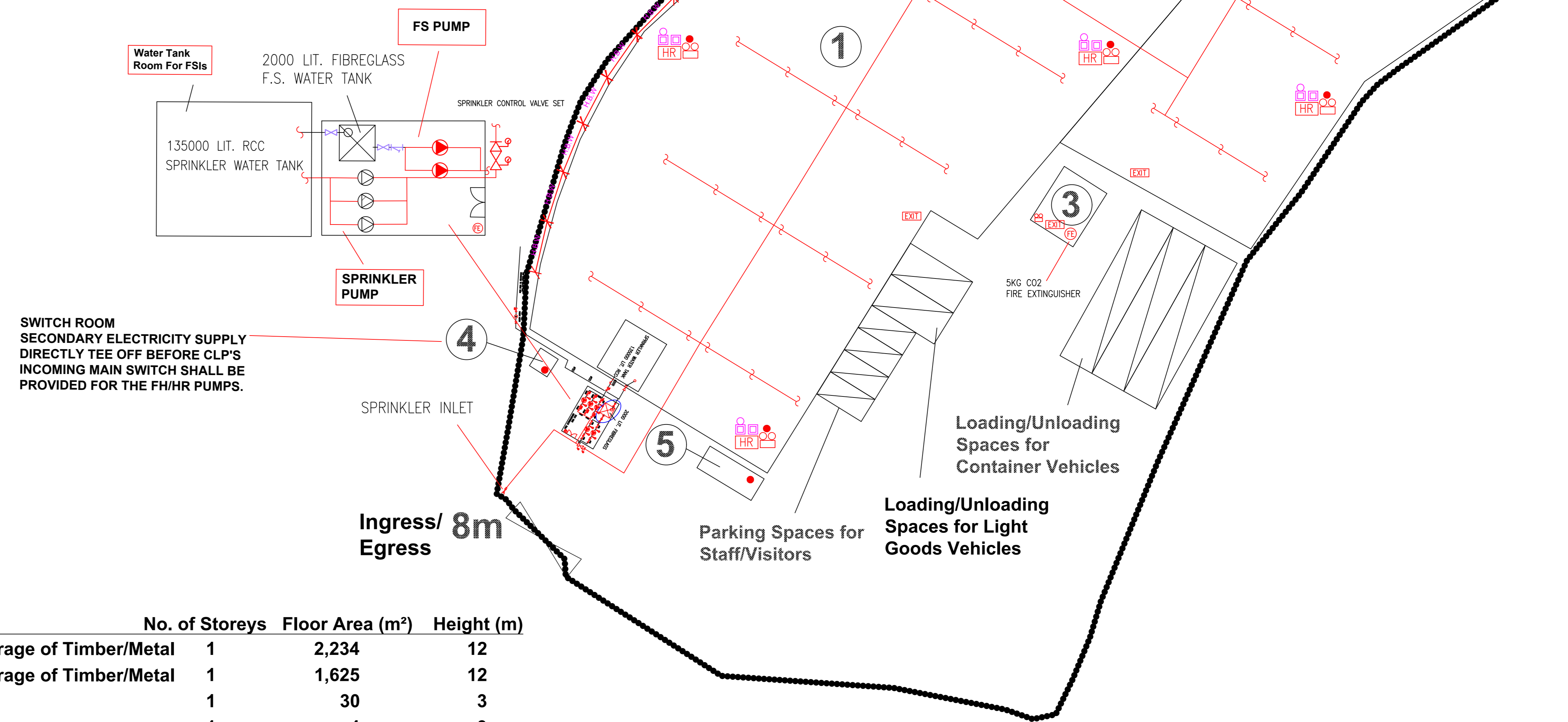
Area of Structure 1 = 2234 sq.m.
Area of High Bay Window (H.B.W.) = 2.0m(H) x 70m = 140 sq.m.
Total openable window area = 140 sq.m.
= 6.26% of floor area

Structure 2 Openable Windows Calculation

Area of Structure 2 = 1625 sq.m.
Area of High Bay Window (H.B.W.) = 2.0m(H) x 53m = 106 sq.m.
Total openable window area = 106 sq.m.
= 6.52% of floor area



Section drawing of window opening for the structure (1)



Structure No.	Uses	No. of Storeys	Floor Area (m²)	Height (m)
1	Warehouse for Storage of Timber/Metal	1	2,234	12
2	Warehouse for Storage of Timber/Metal	1	1,625	12
3	Site Office	1	30	3
4	Switch Room	1	4	3
5	Washroom	1	15	3

LEGEND

- [HR] HOSE REEL
- [EL] EMERGENCY LIGHT
- [FE] 5KG CO2 FIRE EXTINGUISHER
- [SCVS] SPRINKLER CONTROL VALVE SET
- [PUMP] PUMP SET
- [PG] PRESSURE GAUGE
- [BG] BREAK GLASS UNIT
- [EXIT] EXIT SIGN
- [SB] SAND BUCKET
- [GV] GATE VALVE
- [YS] Y-TYPE STRAINER
- [SH] SPRINKLER HEAD (ON PLAN)
- [FB] FIRE ALARM BELL
- [NRV] NON-RETURN VALVE
- [SV] SUBSIDIARY VALVE / FLOW SWITCH
- [GT] GATE TYPE (With MONITORING)
- [SI] SPRINKLER INLET
- [FD] 5KG DRY POWDER FIRE EXTINGUISHER

PROJECT : Proposed Temporary Warehouse for Storage of Construction Materials (Timber and Metal) for a Period of 3 Years at Lots 123 (Part), 124 (part), 125 (Part), 126 (Part), 127 (Part) in D.D.113 and Adjoining Government Land, Ma On Kong, Kam Tin South, Yuen Long, N.T.	DRAWING TITLE : F.S. Notes, Legend, Fire Service Installation Layout Plan	ARCHITECT :	CONSULTANT :	FIRE SERVICE CONTRACTOR : Century Fire Service Engineering Co., Ltd.	NAME C.K.NG	DATE 8 AUG 2023	DRAWING NO : FS-01	REV. 0
					SCALE : 1 :250 (A0)		SOURCE : B.O.O. Ref. BD F.S.D. Ref. FP	
REV		DESCRIPTION		DATE				

規 劃 署

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



Planning Department

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

來函檔號 Your Reference : LDS/PLAN/6859
本署檔號 Our Reference : TPB/A/YL-KTS/946
電話號碼 Tel. No. : 3168 4072
傳真機號碼 Fax No. : 3168 4074 / 3168 4075

4 September 2023

Dear Sir/Madam,

**Submission for Compliance with Approval Condition (g)
- The Submission of a Revised Fire Service Installations Proposal**

**Proposed Temporary Warehouse for Storage of Construction Materials
(Timber and Metal) for a Period of 3 Years and Filling of Land in "Agriculture"
Zone, Lots 123 (Part), 124 (Part), 125 (Part), 126 (Part), 127 (Part) in D.D. 113
and Adjoining Government Land, Ma On Kong, Kam Tin, Yuen Long
(Application No. A/YL-KTS/946)**

I refer to your submission received on 9.8.2023 for compliance with the captioned approval condition. Relevant department has been consulted on your submission. Your submission is considered:

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

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

Yours faithfully,

(Anthony LUK)

District Planning Officer/
Fanling, Sheung Shui & Yuen Long East
Planning Department

c.c.
D of FS

(Attn.: Mr. CHEUNG Wing-hei)

Internal
CTP/TPB

AL/CP/PN

Appendix

Comments of the Director of Fire Services:

Please be advised that the installation/maintenance/modification/repair work of FSIs shall be undertaken by an Registered Fire Service Installation Contractor (RFSIC). The RFSIC shall after completion of the installation/maintenance/modification/repair work issue to the person on whose instruction the work was undertaken a certificate (F.S. 251) and forward a copy of the certificate to the Director of Fire Services.