

**FIRE SERVICES NOTES:**

1. HOSE REEL SYSTEM

- 1.1 HOSE REEL SHALL BE PROVIDED AT POSITIONS AS INDICATED ON PLANS.
- 1.2 THERE SHALL BE SUFFICIENT HOSE REELS TO ENSURE THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30M OF HOSE REEL TUBING. ONE ACTUATING POINT AND ONE AUDIO WARNING DEVICE TO BE LOCATED AT EACH HR POINT. THE ACTUATING POINT SHOULD INCLUDE FACILITIES FOR THE FIRE PUMP START DEVICE INITIATION.
- 1.3 A MODIFIED HOSE REEL SYSTEM OF 2,000 LITRES WATER TANK TO BE PROVIDED FOR THE ENTIRE BUILDING AS INDICATED ON PLAN.
- 1.4 NO FIRE SERVICES INLET TO BE PROVIDED FOR THE MODIFIED HOSE REEL SYSTEM.
- 1.5 WATER SUPPLY FOR THE MODIFIED HOSE REEL SYSTEM TO BE SINGLE END FEED FROM THE GOVERNMENT TOWN MAIN.
- 1.6 TWO FIXED FIRE PUMPS (DUTY/STANDBY) TO BE PROVIDED AT F.S. & SPR. PUMP ROOM.
- 1.7 THE HR SYSTEM INSTALLED SHOULD BE IN ACCORDANCE WITH PARA. 5.14 OF THE CODE OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATION AND EQUIPMENT 2022.
- 1.8 AN INSTRUCTION PLATE SHALL BE PROVIDED NEXT TO THE BREAK GLASS UNIT FOR OPERATION OF HOSE REEL.

2. AUTOMATIC SPRINKLER SYSTEM

- 2.1 AUTOMATIC SPRINKLER SYSTEM SUPPLIED BY A 135,000L SPRINKLER WATER TANK AND HAZARD CLASS OH3 SHALL BE PROVIDED TO THE ENTIRE BUILDING/ STRUCTURE IN ACCORDANCE WITH LPC RULES INCORPORATING BS EN12845: 2015 AND FSD CIRCULAR LETTER 5/2020. THE SPRINKLER TANK, SPRINKLER PUMP ROOM, SPRINKLER INLET AND SPRINKLER CONTROL VALUE GROUP SHALL BE CLEARLY MARKED ON PLANS.
- 2.2 THE CLASSIFICATION OF THE AUTOMATIC SPRINKLER INSTALLATION TO BE ORDINARY HAZARD GROUP 3.
- 2.3 ONE NUMBER 135,000 LITRES SPRINKLER WATER TANK TO BE PROVIDED AS INDICATED ON PLANS.
- 2.4 SPRINKLER CONTROL VALVE SET AND SPRINKLER INLET TO BE PROVIDED AS INDICATED ON PLANS.
- 2.5 TYPE OF STORAGE METHOD FOR THE BUILDING IS AS FOLLOWS:
  - (A) STORAGE CATEGORY: CATEGORY (I)
  - (B) STORAGE HEIGHT: NOT EXCEEDING 4m
  - (C) STORAGE: ST1
- 2.6 STORAGE BLOCK SHOULD BE SEPARATED BY AISLES NO LESS THAN 2.4m WIDE.
- 2.7 THE MAXIMUM STORAGE AREA SHALL BE 50m<sup>2</sup> FOR ANY SINGLE BLOCK.

3. FIRE ALARM SYSTEM

- 3.1 FIRE ALARM SYSTEM SHALL BE PROVIDED THROUGHOUT THE ENTIRE BUILDING IN ACCORDANCE WITH BS 5839-1:2017 AND FSD CIRCULAR LETTER NO.6/2021. ONE ACTUATING POINT AND ONE AUDIO WARNING DEVICE SHOULD BE LOCATED AT EACH HOSE REEL POINT. THE ACTUATION POINT SHOULD INCLUDE FACILITIES FOR FIRE PUMP START AND AUDIO / VISUAL WARNING DEVICE INITIATION.
- 3.2 AN ADDRESSABLE TYPE FIRE ALARM PANEL TO BE PROVIDED AND LOCATED INSIDE G/F F.S. & SPR. PUMP ROOM.

4. MISCELLANEOUS F.S. INSTALLATION

- 4.1 PORTABLE FIRE EXTINGUISHER WITH SPECIFIED TYPE AND CAPACITY TO BE PROVIDED AT LOCATIONS AS INDICATED ON PLANS.
- 4.2 SUFFICIENT EMERGENCY LIGHTING SHALL BE PROVIDED THROUGHOUT THE ENTIRE BUILDINGS/STRUCTURES IN ACCORDANCE WITH BS 5266-1:2016, BS EN 1838:2013 AND FSD CL 4/2021.
- 4.3 SUFFICIENT DIRECTIONAL AND EXIT SIGN SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266-1:2016 AND FSD CIRCULAR LETTER 5/2008.
- 4.4 NO EMERGENCY GENERATOR TO BE PROVIDED FOR SERVING THE EMERGENCY POWER. DUPLICATED POWER SUPPLIES FOR ALL FIRE SERVICES INSTALLATIONS COMPRISING A CABLE CONNECTED FROM ELECTRICITY MAINS DIRECTLY BEFORE THE MAIN SWITCH.
- 4.5 WHEN A VENTILATION/ AIR CONDITIONING CONTROL SYSTEM TO A BUILDING IS PROVIDED, IT SHALL STOP MECHANICALLY INDUCED AIR MOVEMENT WITHIN A DESIGNATED FIRE COMPARTMENT.
- 4.6 NO DYNAMIC SMOKE EXTRACTION SYSTEM SHALL BE PROVIDED SINCE FIRE COMPARTMENT NOT EXCEEDING 7000 CUBIC METRES AND THE AGGREGATE AREA OF OPENABLE WINDOWS OF THE RESPECTIVE COMPARTMENT EXCEEDS 6.25% OF THE FLOOR AREA OF THAT COMPARTMENT.

PROJECT  
TEMPORARY SHOP AND SERVICES WITH ANCILLARY OFFICE FOR A PERIOD OF 3 YEARS

SITE LOCATION  
LOT 1038 S B (PART) IN D.D. 130, FUK HANG TSUEN, TUEN MUN, NEW TERRITORIES

SCALE

DRAWN BY	DATE
MN	12.9.2024

CHECKED BY	DATE

APPROVED BY	DATE

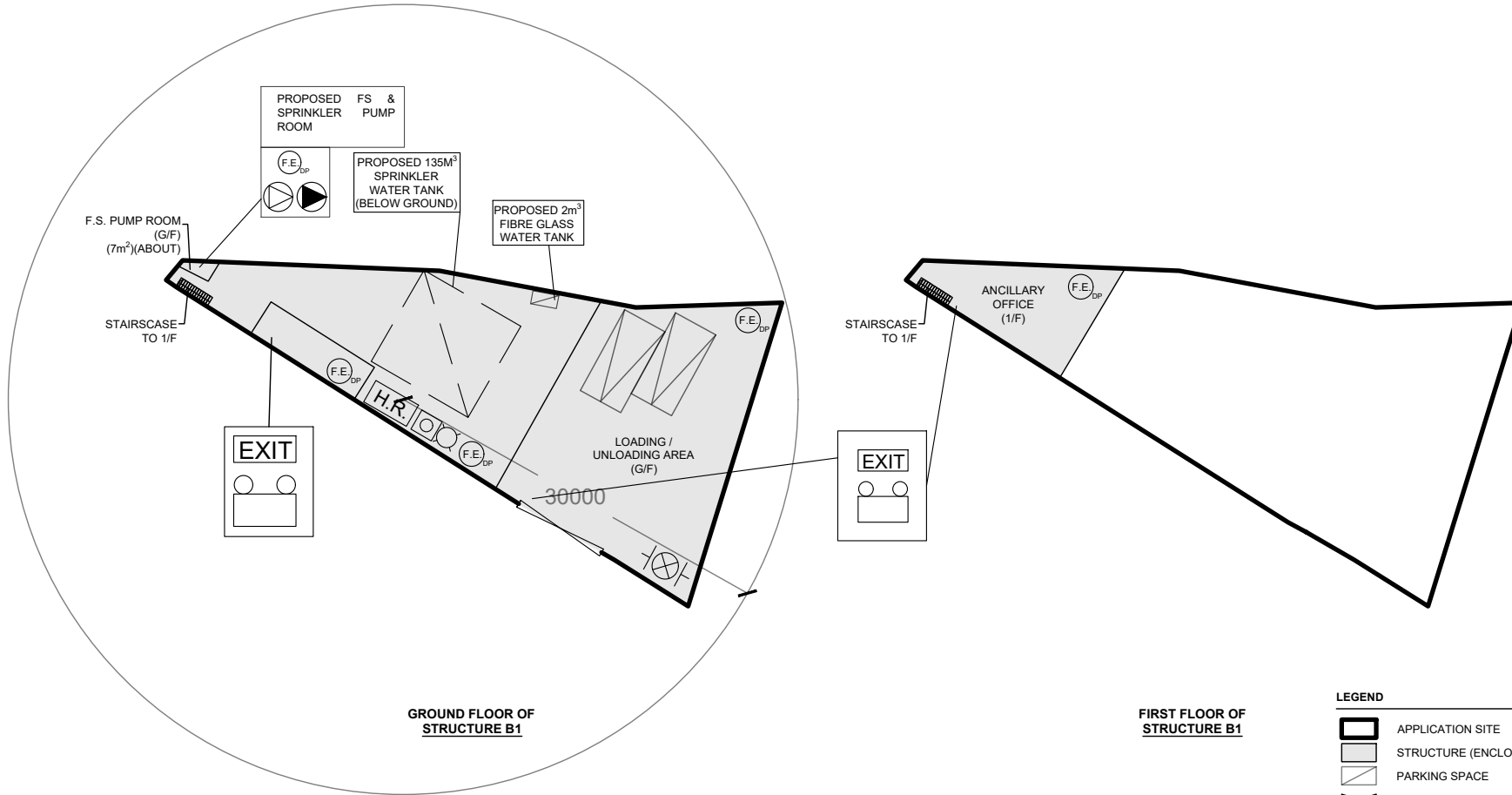
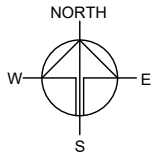
DWG. TITLE  
FSIs PROPOSAL (1/2)

DWG NO.	VER.
APPENDIX I	001

**DEVELOPMENT PARAMETERS**

APPLICATION SITE AREA	: 581 m <sup>2</sup>	(ABOUT)
COVERED AREA	: 581 m <sup>2</sup>	(ABOUT)
UNCOVERED AREA	: NOT APPLICABLE	
PLOT RATIO	: 1.1	(ABOUT)
SITE COVERAGE	: 100 %	(ABOUT)
NO. OF STRUCTURE	: 1	
DOMESTIC GFA	: N/A	
NON-DOMESTIC GFA	: 660 m <sup>2</sup>	(ABOUT)
TOTAL GFA	: 660 m <sup>2</sup>	(ABOUT)
BUILDING HEIGHT	: 11 m	(ABOUT)
NO. OF STOREY	: 2	

STRUCTURE	USE	COVERED AREA	GROSS FLOOR AREA	BUILDING HEIGHT
B1	(G/F) SHOP AND SERVICES ANCILLARY OFFICE STORE ROOM, STORAGE OF GOODS	581 m <sup>2</sup> (ABOUT)	581 m <sup>2</sup> (ABOUT)	11m (ABOUT)(2-STOREY)
	(1/F) ANCILLARY OFFICE		79m <sup>2</sup> (ABOUT)	
<b>TOTAL</b>		<b>581 m<sup>2</sup> (ABOUT)</b>	<b>660 m<sup>2</sup> (ABOUT)</b>	



**GROUND FLOOR OF STRUCTURE B1**

**FIRST FLOOR OF STRUCTURE B1**

**LEGEND**

- APPLICATION SITE
- STRUCTURE (ENCLOSED)
- PARKING SPACE
- INGRESS / EGRESS
- 4 KG DRY POWER TYPE FIRE EXTINGUISHER
- BREAK GLASS UNIT
- VISUAL ALARM DEVICE
- HOSE REEL SET
- SPRINKLER INLET AND SPRINKLER CONTROL VALVE
- HOSE REEL PUMP
- SPRINKLER PUMP

- EXIT SIGN
- EMERGENCY LIGHTING

**PUMP SCHEDULE**

DESIGNATION	FLOW RATE (Litre/min)	DISCHARGE HEAD (Kpa)	MOTOR ROTING (Kw)
SP1, SP2	2250/1350/1100	140/290/320	18.5
SP-JP	60	450	2.2
HR-1,HR-2	100	600	2.2
HR-JP	60	400	2.2

PROJECT  
TEMPORARY SHOP AND SERVICES WITH ANCILLARY OFFICE FOR A PERIOD OF 3 YEARS

SITE LOCATION  
LOT 1038 S B (PART) IN D.D. 130, FUK HANG TSUEN, TUEN MUN, NEW TERRITORIES

SCALE  
1 : 500 @ A4

DRAWN BY MN	DATE 12.9.2024
----------------	-------------------

CHECKED BY	DATE
------------	------

APPROVED BY	DATE
-------------	------

DWG. TITLE  
FSIs PROPOSAL (2/2)

DWG NO. <b>APPENDIX I</b>	VER. 001
------------------------------	-------------