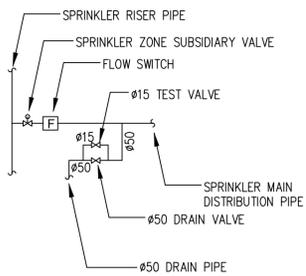


*Temporary Eating Place and Associated Filling of Land for a Period of 3 Years
in "Commercial/Residential" and "Residential" Zones,
Lots 3250 S.B ss.24 S.A RP and 3250 S.B ss.34 RP in D.D. 104 and Adjoining Government Land, Mai Po, Yuen Long, N.T.*

Appendix I

Fire Service Installations Proposal



DETAIL INSTALLATION OF SPRINKLER FLOW SWITCH ASSEMBLY (NOT TO SCALE)

PIPE COLOUR CODE

PIPE SIZE mm	COLOUR CODE
25	GREEN
32	RED
40	PURPLE
50	YELLOW
65	LIGHT BLUE
80	DARK GREEN
100	LIGHT BROWN
150	BROWN
200	DARK BLUE

ABBREVIATION

FS	FIRE SERVICES
SPR	SPRINKLER
T/A	TO ABOVE
T/B	TO BELOW
F/A	FROM ABOVE
F/B	FROM BELOW
H/L	HIGH LEVEL
M/L	MIDDLE LEVEL
L/L	LOW LEVEL
C/W	COMPLETE WITH
AAV	AUTOMATIC AIR VENT
FSD	FIRE SERVICES DEPARTMENT UNDERGROUND
UG	UNDERGROUND
FR	FIRE RESISTANT

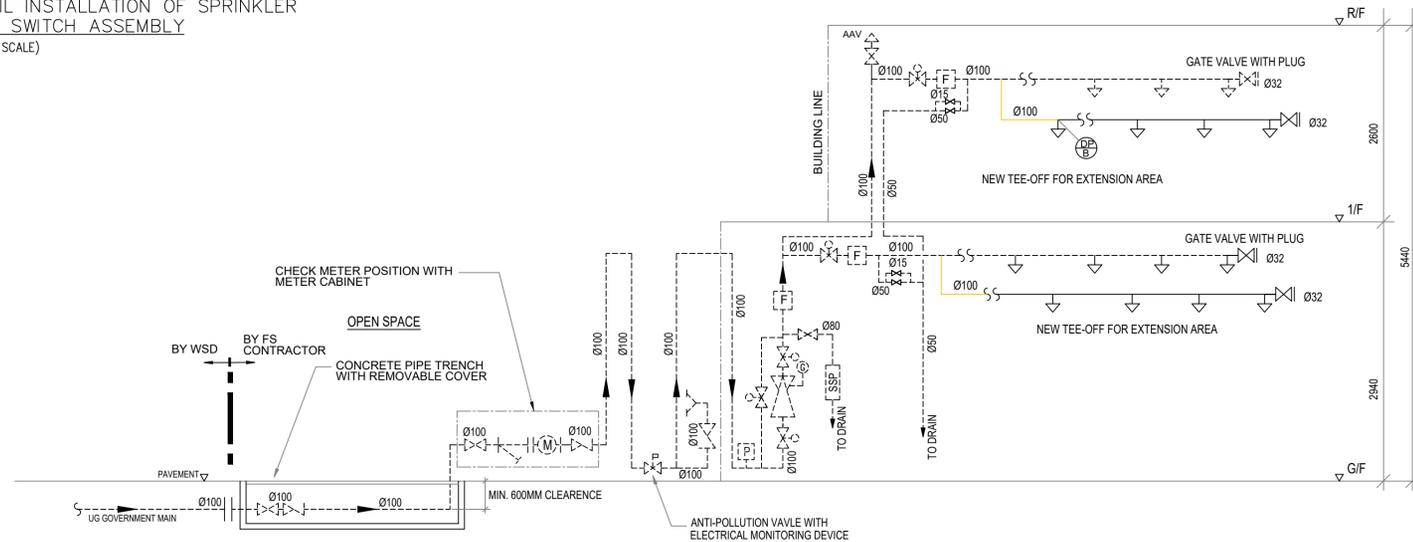
FS NOTES

1. AN IMPROVISED SPRINKLER SYSTEM WITH WATER SUPPLIED FROM A DIRECT CONNECTION TO THE CITY TOWN MAINS AND IN ACCORDANCE WITH LOSS PREVENTION COUNCIL RULES FOR AUTOMATIC SPRINKLER INSTALLATIONS SHALL BE PROVIDED FOR THE PREMISES. THE HAZARD GROUP IS ORDINARY HAZARD GROUP 1 (OH1).
2. SYSTEM ALARM OF THE IMPROVISED SPRINKLER SYSTEM SHALL BE CONNECTED TO THE FIRE SERVICES COMMUNICATION CENTRE OF FIRE SERVICES DEPARTMENT BY DIRECT TELEPHONE LINE.
3. FOR HEADROOM BELOW 2 METERS, SPRINKLER GUARD SHALL BE PROVIDED FOR SPRINKLER HEAD.
4. FS WATER SUPPLY SYSTEM IS SUBJECT TO THE REQUIREMENT AND APPROVAL OF THE WATER SUPPLIES DEPARTMENT (WSD). THE SIZE AND LOCATION OF THE WATER CHECK METER SHOULD BE DETERMINED BY THE WSD.
5. ALL ASSOCIATED BUILDING WORKS ARE SUBJECT TO THE CONTROL UNDER THE BUILDINGS ORDINANCE. APPROVAL/CONSENT FROM THE BUILDINGS DEPARTMENT IS REQUIRED PRIOR TO THE COMMENCEMENT OF THE INSTALLATION WORKS.
6. ALL NEWLY INSTALLED ELECTRICAL INSTALLATION WORKS SHALL BE COMPLIED WITH THE COP FOR THE ELECTRICITY (WIRING) REGULATIONS. SUPPLY RULES OF RELEVANT SUPPLY COMPANY AND ALLIED WITH THE EXISTING ELECTRICAL INSTALLATIONS.
7. THE MEANS OF ESCAPE SHOULD NOT BE OBSTRUCTED BY ANY FS INSTALLATIONS.
8. THIS SUBMISSION IS THE EXTEND OF AN EXISTING IMPROVISED SPRINKLER SYSTEM.
9. EXISTING FIRE SERVICES INSTALLATION SHOULD BE REMAINED UNCHANGED AND SHOWN IN DOTTED LINE, NEW INSTALLATION SHOWN IN CONTINUOUS LINE IN THIS SUBMISSION.
10. SPRINKLER EXTENSION AREAS ARE APPROXIMATELY 600 AND 490 SQUARE METER FOR G/F AND 1/F RESPECTIVELY.

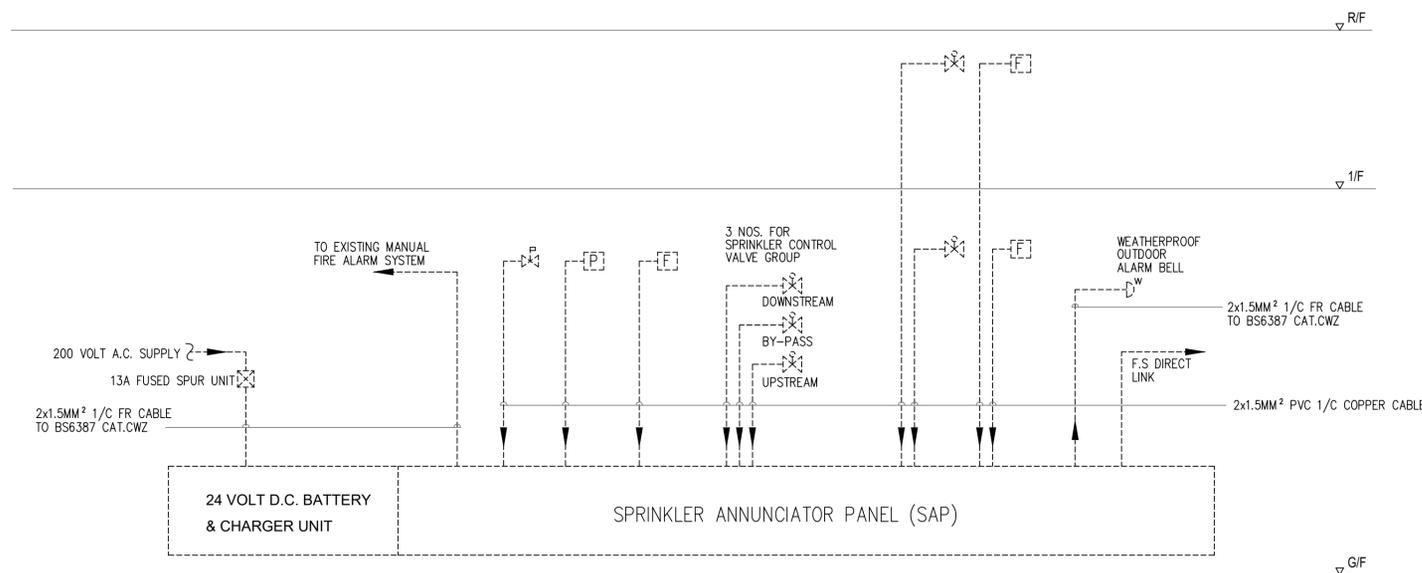
LEGEND

- NEW INSTALLATION/PIPEWORK/EQUIPMENT/CABLE
- EXISTING INSTALLATION/PIPEWORK/EQUIPMENT/CABLE
- 15mm SPRINKLER HEAD OPERATED AT 68 °C (UNDER SLAB)
- ⊗ 15mm SPRINKLER HEAD OPERATED AT 68 °C (UNDER FALSE CEILING)
- ⊙ 15mm SPRINKLER HEAD OPERATED AT 68 °C UNDER OBSTRUCTION
- ⊕ 15mm SPRINKLER HEAD OPERATED AT 93 °C NEAR STOVES UNDER EXHAUST HOOD WITH PROTECTIVE GUARD
- ▽ 15mm SPRINKLER HEAD (FOR SCHEMATIC PIPING DIAGRAM)
- ⋈ GATE VALVE
- ⋈+ GATE VALVE WITH PLUG
- ⊗ ZONE SUBSIDIARY STOP VALVE C/W ELECTRICAL MONITORING DEVICE
- ⋈- NON-RETURN VALVE
- ⋈- Y-STRAINER
- ⊕ SPRINKLER FLOW SWITCH ASSEMBLY REFER TO DETAIL INSTALLATION
- ⊕ SPRINKLER FLOW SWITCH
- ⊕ FIRE ALARM BELL (w DENOTES WEATHERPROOF)
- ⊕ PRESSURE SWITCH FOR 0.5 BAR PRESSURE DROP SIGNAL
- ⊕ SPRINKLER INLET WITH NON-RETURN VALVE
- AAV AUTOMATIC AIR VENT
- ⊕ CHECK METER POSITION
- ⊕ SPRINKLER ANNUNCIATOR PANEL
- ⊕ SPRINKLER ALARM CONTROL VALVE WITH WATER MOTOR ALARM GONG
- ⊕ SPR PROVING PIPE
- ⊕ ANTI-POLLUTION VALVE WITH ELECTRICAL MONITORING DEVICE (MONITORED BUTTERFLY VALVE)

SCHEMATIC PIPING DIAGRAM FOR IMPROVISED SPRINKLER SYSTEM



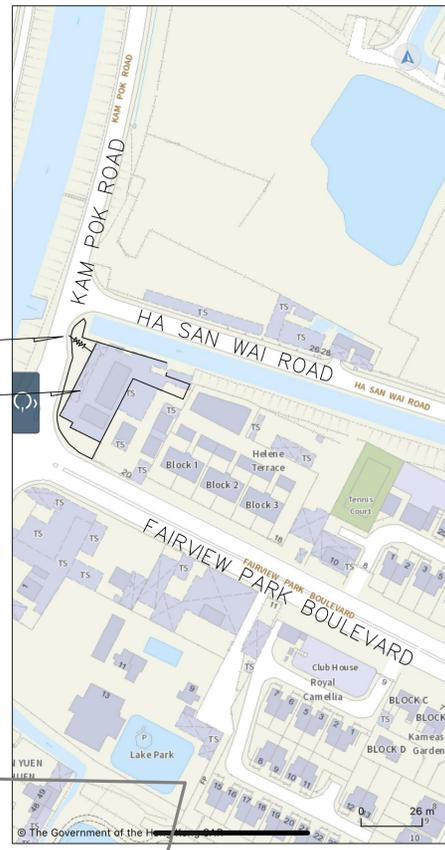
SCHEMATIC CONTROL WIRING DIAGRAM FOR IMPROVISED SPRINKLER SYSTEM



FSD REF:		
FEHD REF:		
V. D. REF:		
WWO. REF:		
REV	DATE	DESCRIPTION
CONTRACTOR : 		
PROJECT: "COMMERCIAL/RESIDENTIAL" AND "RESIDENTIAL (GROUP D)" ZONES, LOTS 3250 S.B. ss.24 S.A. RP AND 3250 S.B. ss.34 RP IN D.D. 104 AND ADJOINING GOVERNMENT LAND. MAI PO, YUEN LONG, N.T.		
TITLE: FS NOTES, LEGEND, PIPE SCHEDULE & COLOUR CODE, ABBREVIATION, SCHEMATIC PIPING LINE DIAGRAM AND SCHEMATIC CONTROL WIRING DIAGRAM FOR IMPROVISED SPRINKLER SYSTEM		
DRAWN BY :		
CHECKED BY :		
APPROVED BY :		
JOB NO. :		
SCALE :	NOT TO SCALE	
DATE :	05/11/2025	
REVISION :	D	
DWG. NO. :	FS-1	

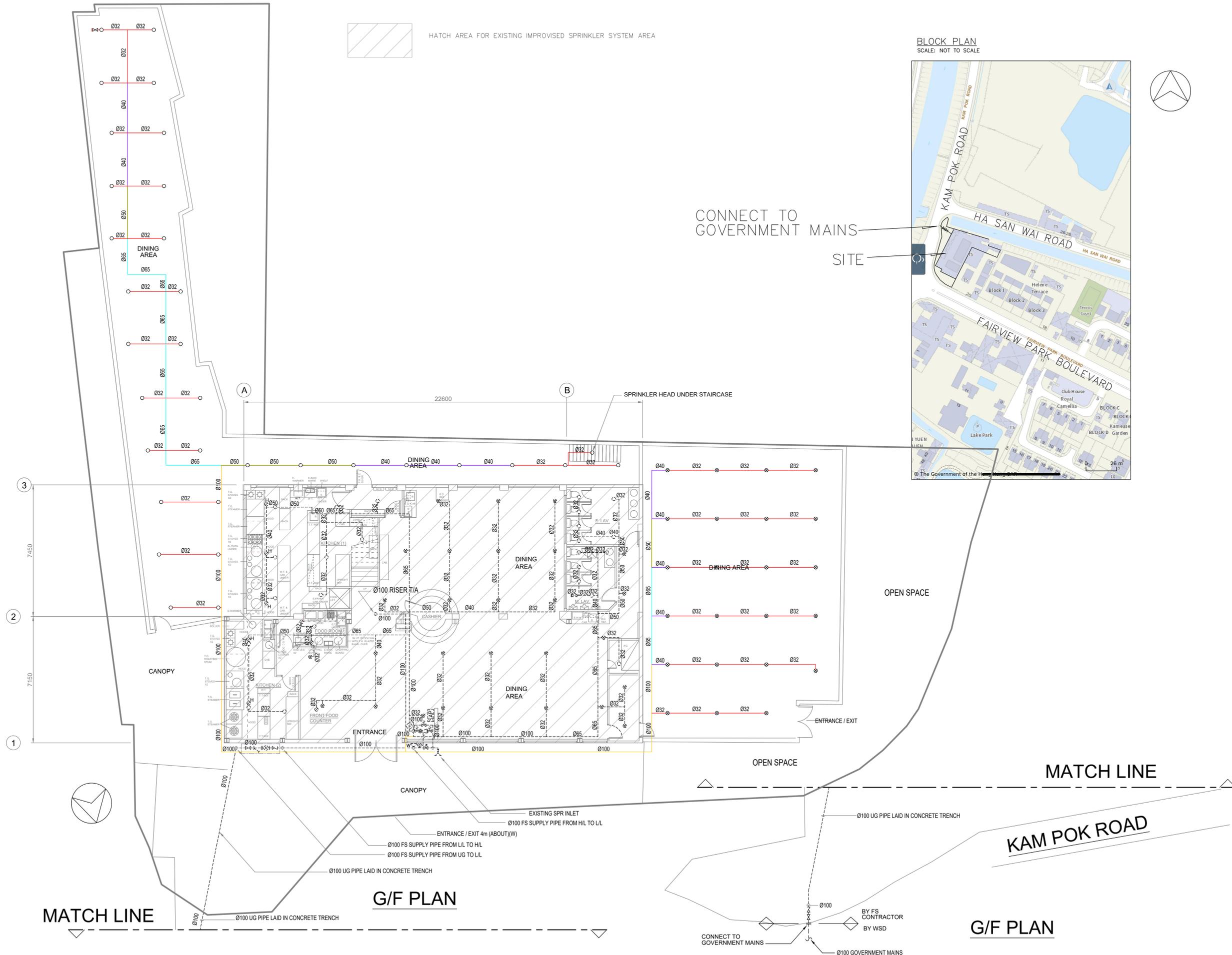
FSD REF:
 FEHD REF:
 V. D. REF:
 WWO. REF:

BLOCK PLAN
 SCALE: NOT TO SCALE



CONNECT TO
 GOVERNMENT MAINS

SITE



HATCH AREA FOR EXISTING IMPROVED SPRINKLER SYSTEM AREA

SPRINKLER HEAD UNDER STAIRCASE

OPEN SPACE

OPEN SPACE

MATCH LINE

KAM POK ROAD

G/F PLAN

MATCH LINE

G/F PLAN

CONNECT TO
 GOVERNMENT MAINS

BY FS
 CONTRACTOR
 BY WSD

REV.	DATE	DESCRIPTION

CONTRACTOR :

 新聯消防工程有限公司
 SUN'S FIRE ENGINEERING CO., LTD.

PROJECT:
 "COMMERCIAL/RESIDENTIAL" AND
 "RESIDENTIAL (GROUP D)" ZONES,
 LOTS 3250 S.B. ss.24 S.A. RP AND 3250
 S.B. ss.34 RP IN D.D. 104 AND ADJOINING
 GOVERNMENT LAND. MAI PO, YUEN LONG,
 N.T.

TITLE:
 BLOCK PLAN AND
 G/F LAYOUT PLAN FOR
 IMPROVED SPRINKLER
 SYSTEM

DRAWN BY :	
CHECKED BY :	
APPROVED BY :	
JOB NO. :	
SCALE :	1 : 100 @ A1
DATE :	05/11/2025
REVISION :	E
DWG. NO. :	FS-2



 HATCH AREA FOR EXISTING IMPROVISED SPRINKLER SYSTEM AREA

1/F PLAN

FSD REF:
FEHD REF:
V. D. REF:
WVO. REF:

REV.	DATE	DESCRIPTION
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CONTRACTOR :
 新聯消防工程有限公司
 SUN'S FIRE ENGINEERING CO., LTD.

PROJECT:
 "COMMERCIAL/RESIDENTIAL" AND
 "RESIDENTIAL (GROUP D)" ZONES,
 LOTS 3250 S.B. ss.24 S.A. RP AND 3250
 S.B. ss.34 RP IN D.D. 104 AND ADJOINING
 GOVERNMENT LAND. MAI PO, YUEN LONG,
 N.T.

TITLE:
 1/F LAYOUT PLAN FOR
 IMPROVISED SPRINKLER
 SYSTEM AND LEGEND

DRAWN BY :	
CHECKED BY :	
APPROVED BY :	
JOB NO. :	
SCALE :	1 : 100 @ A1
DATE :	05/11/2025
REVISION :	E
DWG. NO. :	FS-3

