

## F.S. NOTES

### SPRINKLER SYSTEM

1. SINCE THE TOTAL AREAS OF THIS LICENSE APPLICATION IS NOT EXCEEDING 230 SQUARE METER. SPRINKLER SYSTEM SHALL NOT BE PROVIDED.

### FIRE ALARM SYSTEM

2. FIRE ALARM SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH BS 5839-1:2017 AND THE FSD CIRCULAR LETTER NO. 6/2021.  
3. A MANUALLY OPERATED FIRE ALARM SYSTEM SHALL BE PROVIDED FOR LICENSE AREA OF ENTRANCE.

### VISUAL FIRE ALARM SYSTEM

4. VISUAL FIRE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH BS 5839-1:2017, THE FSD CIRCULAR LETTER NO. 2/2012 AND FOLLOW THE DESIGN MANUAL: BARRIER FREE ACCESS 2008 PUBLISHED BY THE BUILDINGS DEPARTMENT.

5. VISUAL FIRE ALARM TO BE PROVIDED AND BE LOCATED AT A PROMINENT LOCATION IN PLACES WHICH ARE INTENDED TO BE ACCESSIBLE TO THE PUBLIC.

### HOSE REEL SYSTEM

6. HOSE REEL SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH THE CODE OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT 2022.  
7. HOSE REEL SYSTEM SHALL BE PROVIDED FOR WHOLE BUILDING.  
8. THERE ARE SUFFICIENT HOSE REEL TO ENSURE THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30M OF HOSE REEL TUBING.  
9. HOSE REEL PUMPS (ON DUTY AND STANDBY) SHALL BE PROVIDED FOR HOSE REEL SYSTEM.  
10. A 2000 LITERS HOSE REEL WATER TANK SHALL BE PROVIDED TO SERVE HOSE REEL SYSTEM.

### EMERGENCY LIGHTING

12. EMERGENCY LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266-1:2016, BS EN 1838:2013 AND THE FSD CIRCULAR LETTER NO. 5/2008.  
13. EMERGENCY LIGHTING SHALL BE PROVIDED IN EVERY COMPARTMENT TO REACH G/F.

### EXIT SIGN AND DIRECTIONAL SIGN

14. i. SUFFICIENT DIRECTIONAL AND EXIT SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266-1:2016 AND THE FSD CIRCULAR LETTER NO. 5/2008;  
AND  
ii. THE LOCATION OF ALL PROPOSED FSIS, PARTICULARLY THE EMERGENCY LIGHTING TO BE INSTALLED IN EVERY COMPARTMENT ON G/F SHOULD BE CLEARLY INDICATED ON THE LAYOUT PLANS.

### POTABLE EQUIPMENT

15. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED AT E POSITION AS SHOWN ON PLANS.

### FIRE DETECTION SYSTEM

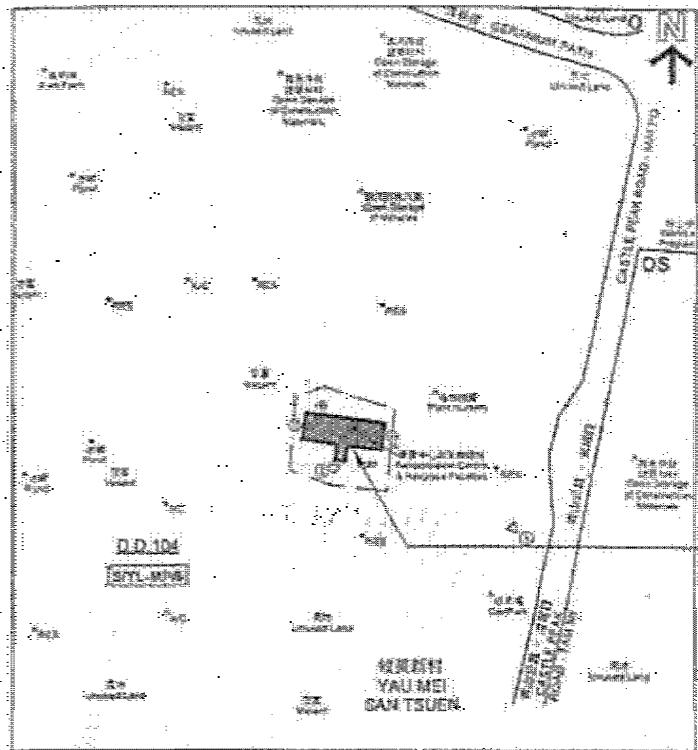
16. FIRE DETECTION SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH BS 5839-1:2017 AND THE FSD CIRCULAR LETTER NO. 6/2021.  
17. SMOKE DETECTOR WITH SOUNDER BASE SHALL BE PROVIDED IN SLEEPING ACCOMMODATION OF LICENSE AREA.  
18. THE DETECTOR SHALL BE OF FSD APPROVED TYPE.  
19. ON MAIN FIRE ALARM CONTROL PANEL SHALL BE PROVIDED AS INDICATED ON PLANS TO RECEIVE ALL FIRE ALARM SIGNALS.  
20. HEAT DETECTOR SHALL BE PROVIDED FOR LAVATORY AND SMOKE DETECTOR SHALL BE PROVIDED FOR LIVING ROOM AND CORRIDOR.  
21. ALL FIRE ALARM SIGNALS INCLUDED FIRE DETECTORS, MANUAL FIRE ALARM CALL POINT SHALL BE LINKED TO FSD COMMUNICATION CENTRE VIA. DIRECT LINE PROVIDED BY THE AUTHORIZED SERVICE PROVIDER OF THE COMPUTERIZED FIRE ALARM TRANSMISSION SYSTEM.  
22. IN ADDITION THE APPLICANT IS ADVISED THAT LICENSING REQUIREMENTS WOULD BE FORMULATED, UPON RECEIPT OF FORMAL VIA THE LICENSING AUTHORITY.

## LEGEND

<input type="checkbox"/>	LICENSE AREA
	SMOKE DETECTOR
	SMOKE DETECTOR WITH SOUNDER BASE
	HEAT DETECTOR
	REMOTE INDICATION LAMP
	REMOTE INDICATION LAMP (WEATHERPROOF TYPE)
	VISUAL FIRE ALARM
	EMERGENCY LIGHTING WITH BACKUP BATTERY

	FIRE HOSE REEL
	GATE VALVE
	CHECK VALVE
	FLEXIBLE CONNECTOR
	Y-TYPE STRAINER
	BALL FLOAT VALVE
	STRAINER
	CHECK METER POSITION

	5KG DRY POWDER FIRE EXTINGUISHER
	9L WATER TYPE FIRE EXTINGUISHER
	5KG CO2 GAS TYPE FIRE EXTINGUISHER
	EXIT SIGN BOX
	DIRECTIONAL SIGN BOX
	FIRE ALARM BELL
	MASTER FIRE ALARM BELL
	MONITOR MODULE



BLOCK PLAN

## ABBREVIATION

L.L.	LOW LEVEL
H.L.	HIGH LEVEL
FSD	FIRE SERVICES DEPARTMENT
WSD	WATER SUPPLIES DEPARTMENT
COP	CODE OF PRACTICE
T/A	TO ABOVE
T/B	TO BELOW
F/A	FROM ABOVE

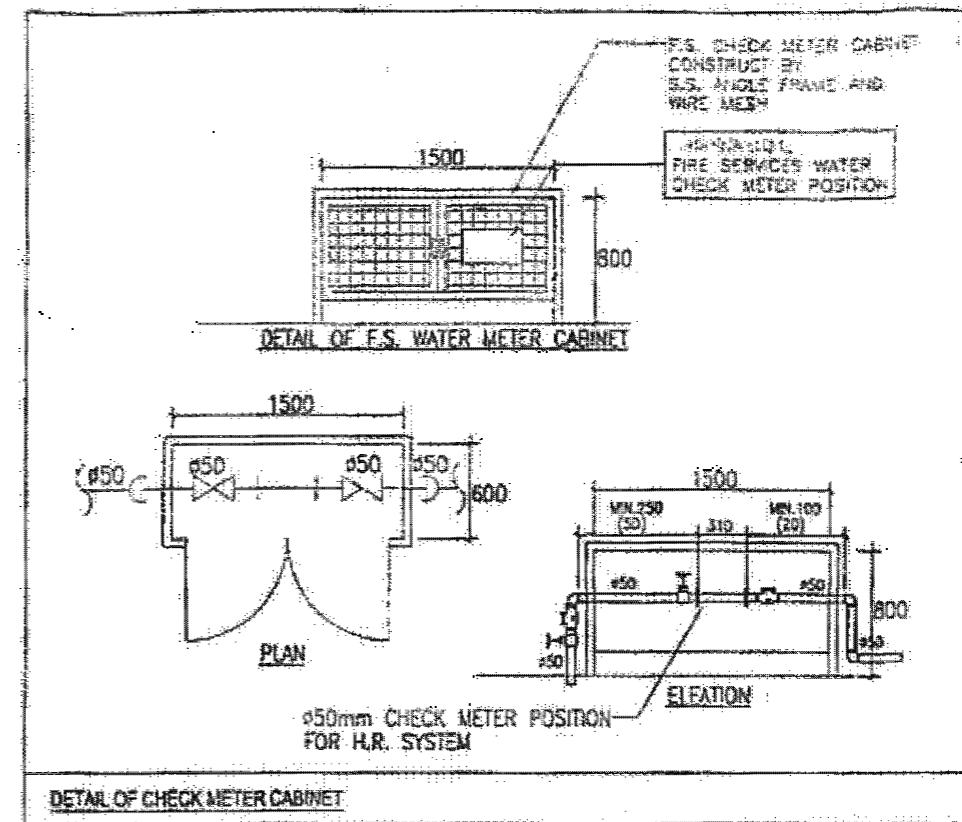
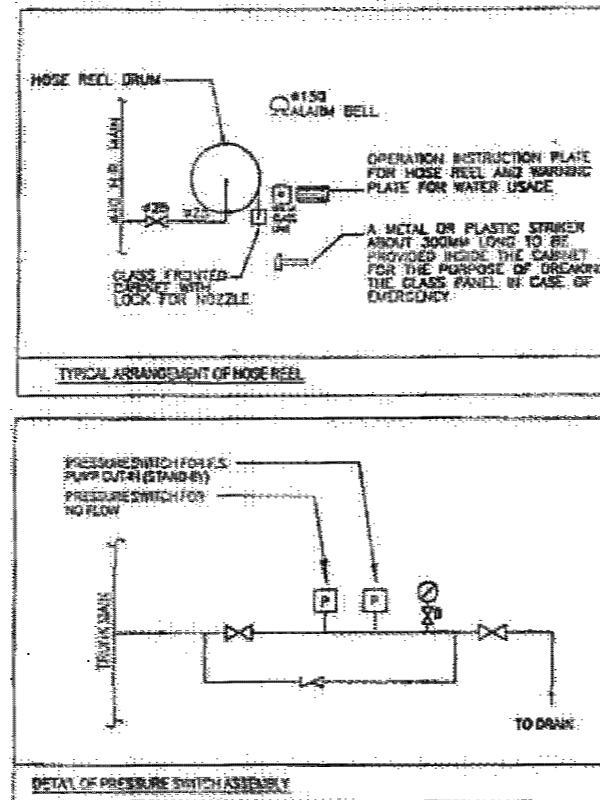
F.E.	FIRE EXTINGUISHER
F.S.	FIRE SERVICES
S.S.	STAINLESS STEEL
H.R.	HOSE REEL
A.A.V.	AUTOMATIC AIR VENT

## COLOUR CODE FOR PIPE SIZES:

PIPE SIZE	COLOUR CODE
25mm diameter	GREEN
40mm diameter	PURPLE
50mm diameter	YELLOW

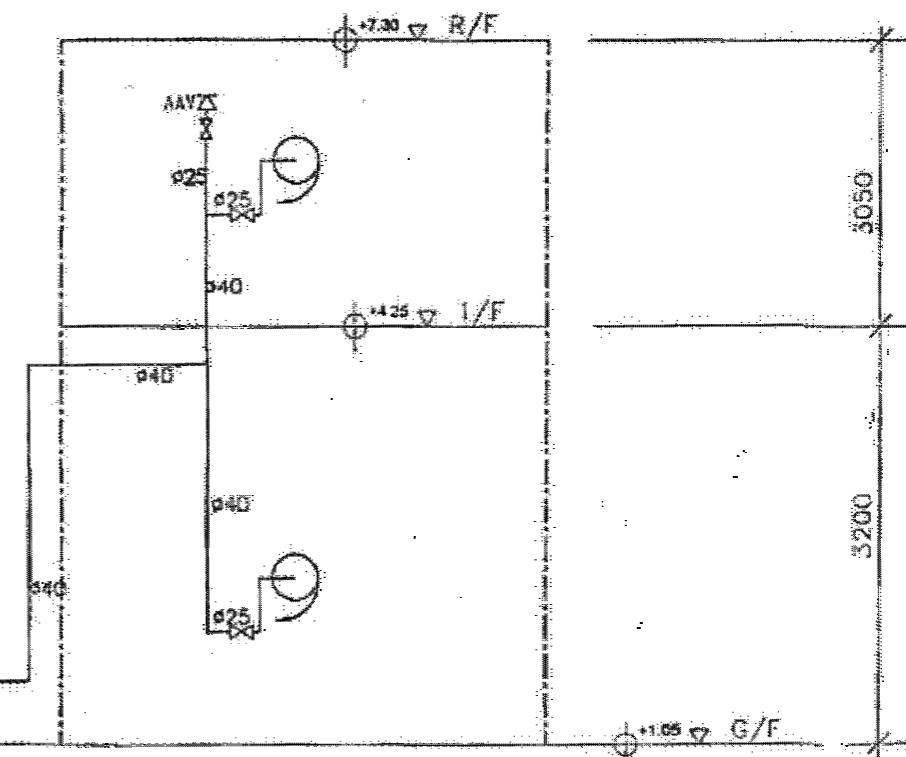
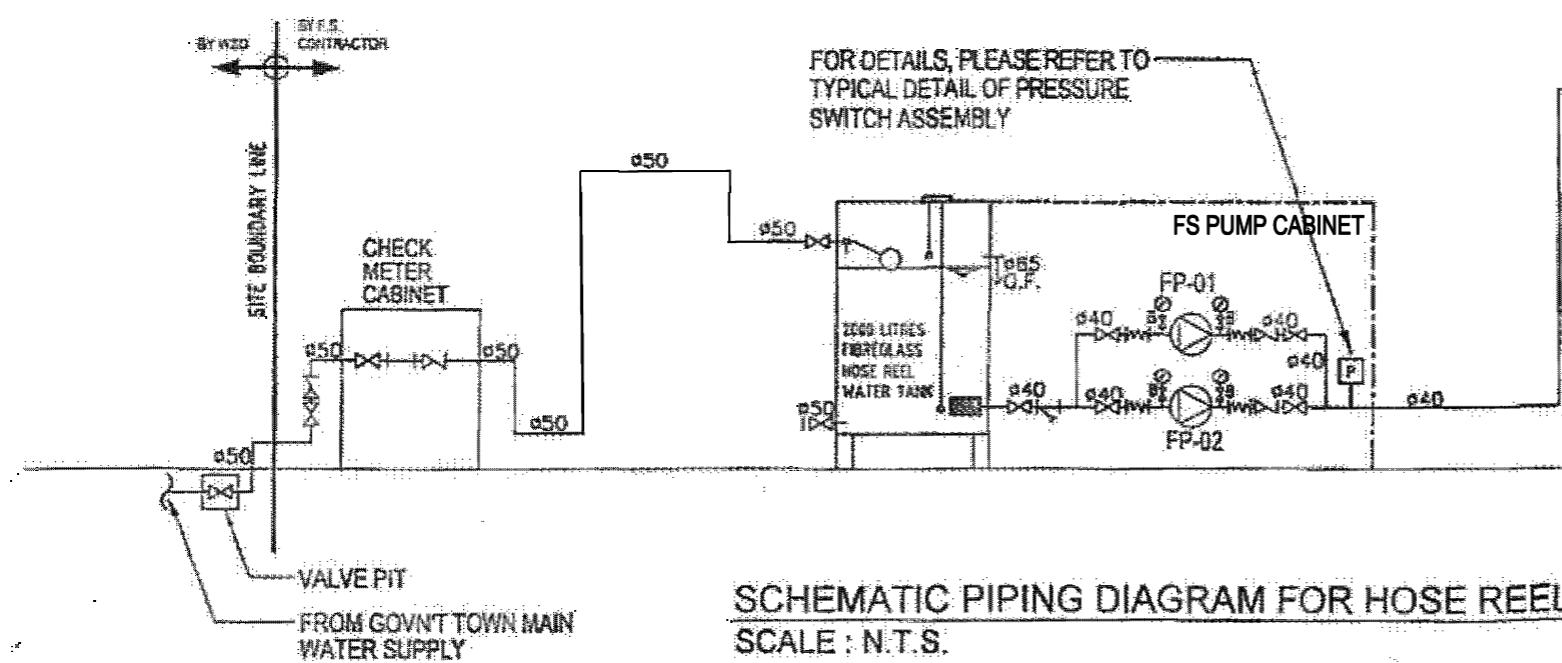
	PRESSURE GAUGE C/W BALL VALVE
	PRESSURE SWITCH
	AUTOMATIC AIR VENT
	LEVEL FLOAT SWITCH
	MANUAL FIRE ALARM CALL POINT
	F.S. CONTROL PANEL
	HOSE REEL PUMP
	CONTROL MODULE

FSI CONTRACTOR:	CLIENT:	PROJECT:	TITLE:		R3	REVISED	06/2024	SCALE: NTS	JOB NO.: WK230927
	WING KAI FNG CO.	MISSION ARK LTD.	元朗米埔丈量約份 第104約地段 第4620號1樓 (關臨時社會福利設施藥物倚賴者治療及康復中心)	F.S. NOTES, LEGEND, BLOCK PLAN, ABBREVIATION AND COLOUR CODE FOR PIPE SIZES	R2	REVISED	12/2023	DRAWN: CAD	
					R1	REVISED	09/2023	CHECKED: CK HO	
					NO.	REVISIONS	DATE: BY	DATE:	
									DRAWING NO.: FS-01



## FS PUMP SCHEDULE

	TYPE OF PUMP	FLOW RATE (L/min)	PRESSURE (bar)	MOTOR SPEED (RPM)	POWER RATING (kW)
HOSE REEL PUMP FP-01 & FP-02	MULTI-STAGE VERTICAL TYPE	60	5	2900	1.5



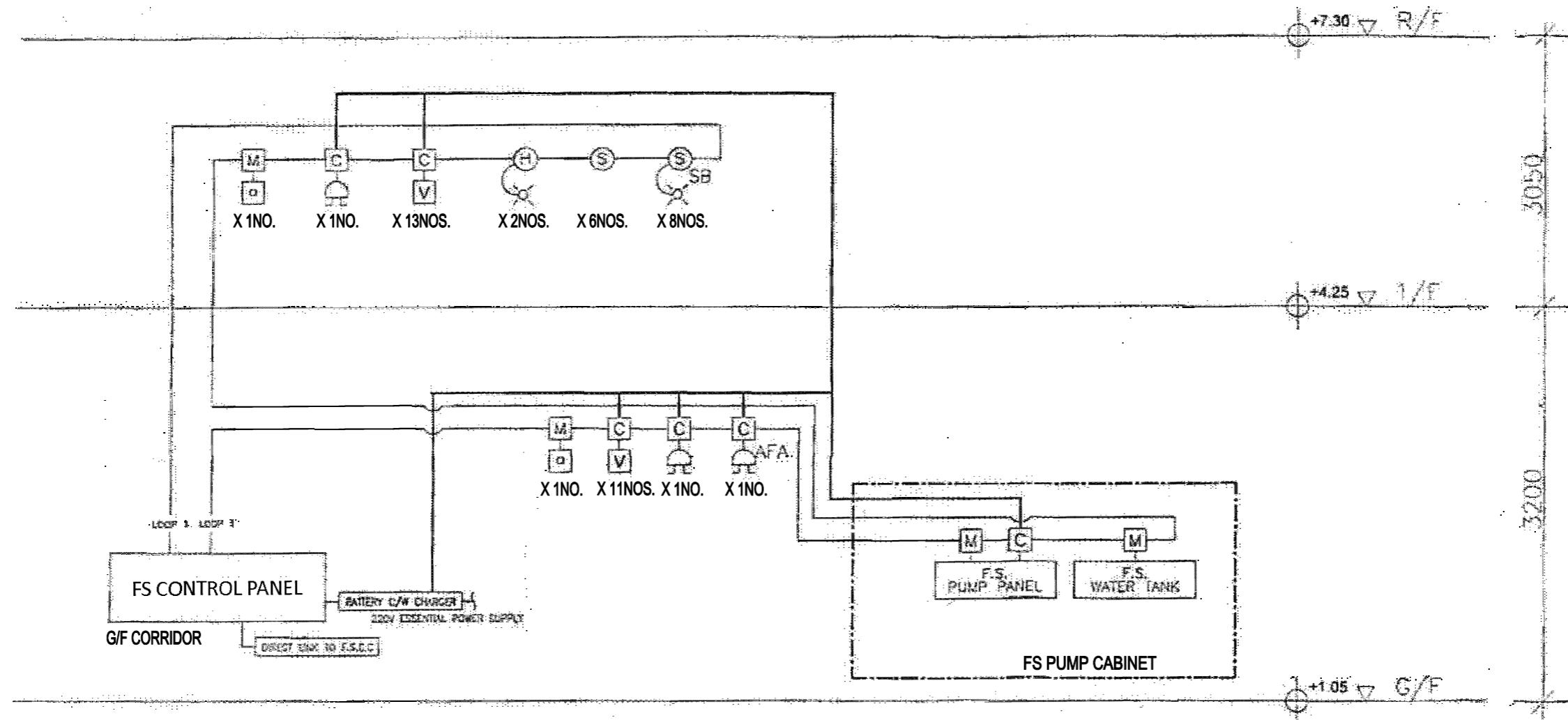
CLIENT:  
MISSION ARK LTD.

PROJECT:  
元朗米埔丈量約份  
第104約地段 第4620號1樓  
(關臨時社會福利設施藥物倚賴者治療及康復中心)

TITLE:  
SCHEMATIC PIPING DIAGRAM FOR  
HOSE REEL SYSTEM AND PUMP SCHEDULE

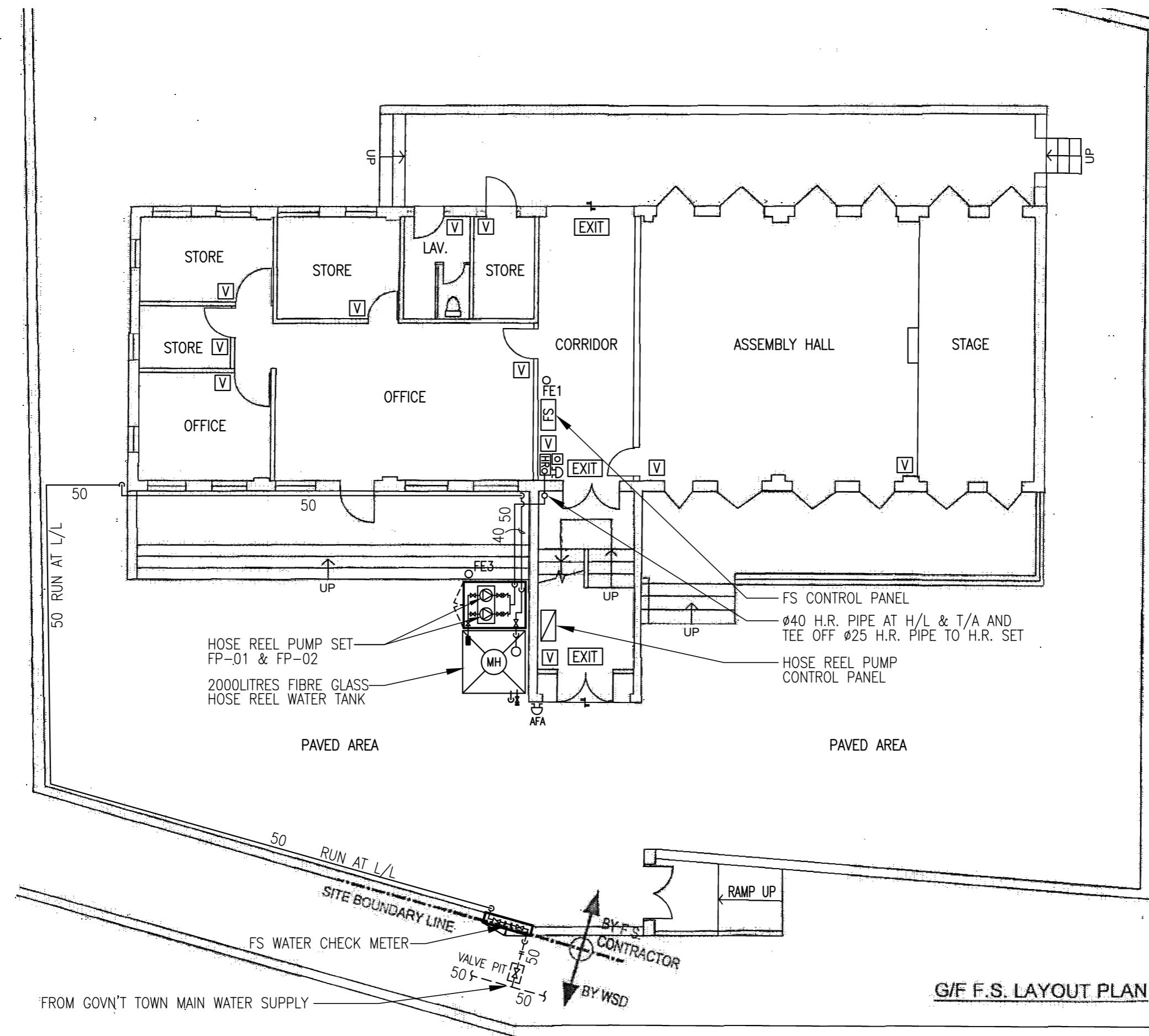
R3	REVISED	06/2024	SCALE: N.T.S	JOB NO.: WK230927
R2	REVISED	12/2023	DRAWN: CAD	
R1	REVISED	09/2023	CHECKED: CK HO	
NO.	REVISIONS	DATE: BY	DATE:	

DRAWING NO.: FS-02

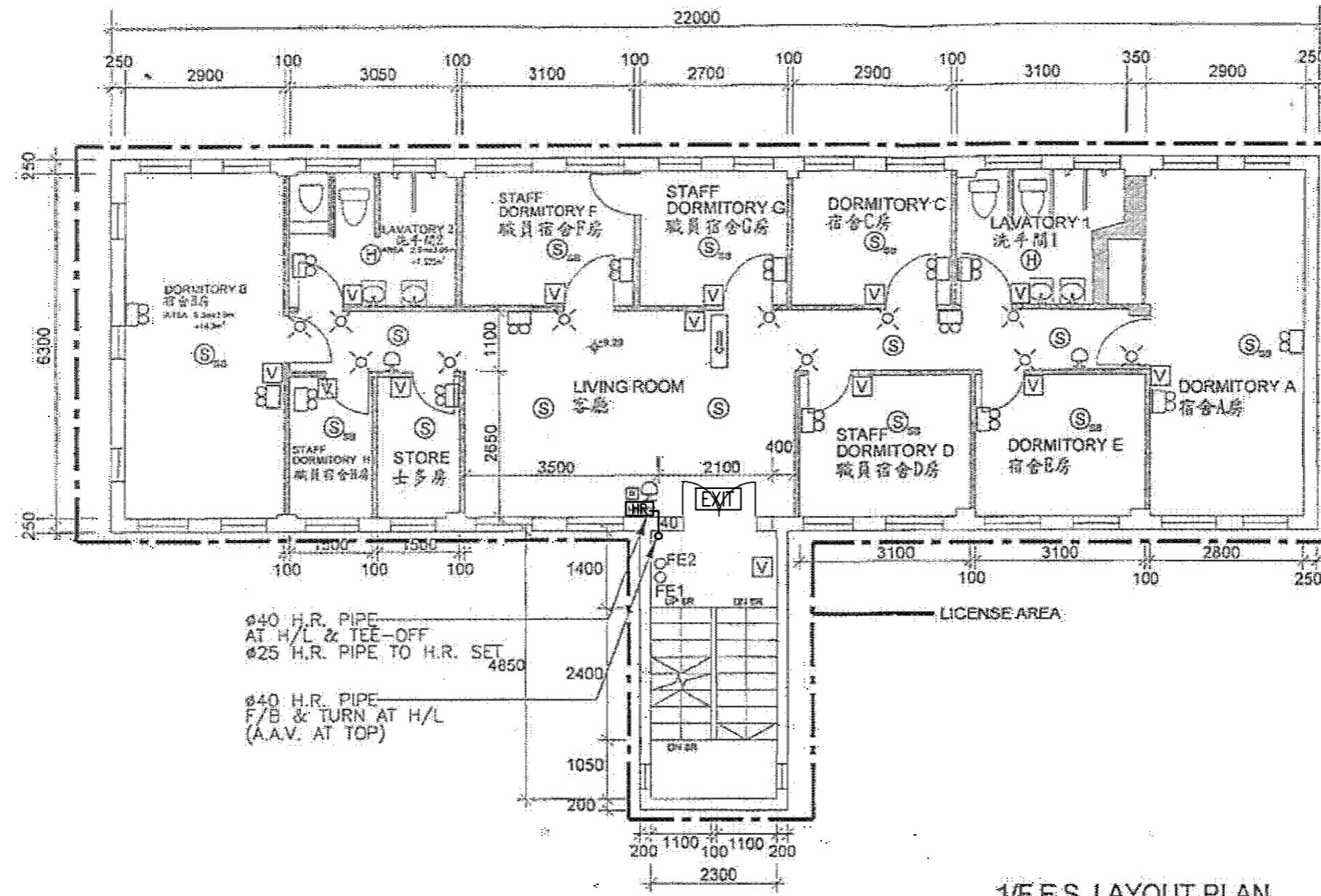


**SCHEMATIC CONTROL WIRING DIAGRAM FOR FIRE ALARM SYSTEM**  
**SCALE : N.T.S.**

FSI CONTRACTOR:	CLIENT:	PROJECT:	TITLE:	R3	REVISED	06/2024	SCALE:	JOB NO.:	
 FIRE PROTECTION WING KAI FNG CO	WING KAI FNG CO		MISSION ARK LTD.		元朗米埔丈量約份 第104約地段 第4620號1樓 (關臨時社會福利設施藥物倚賴者治療及康復中心)		SCHEMATIC CONTROL WIRING DIAGRAM FOR FIRE ALARM SYSTEM		RW230927
				R2	REVISED	12/2023	DRAWN:	CAD	
				R1	REVISED	09/2023	CHECKED:	CK HO	
				NO.	REVISIONS	DATE:	BY	DATE:	
								FS-03	



FSI CONTRACTOR:	WING KAI ENG. CO.	CLIENT:	MISSION ARK LTD.	PROJECT:	元朗米埔丈量約份 第104約地段 第4620號1樓 (關臨時社會福利設施藥物倚賴者治療及康復中心)	TITLE:	F.S. LAYOUT PLAN FOR FIRST FLOOR	R3	REVISED	06/2024		SCALE: 1:100	JOB NO.: WK230927
								R2	REVISED	12/2023		DRAWN: CAD	
								R1	REVISED	09/2023		CHECKED: CK HO	DRAWING NO.: FS-04
								NO.	REVISIONS	DATE:	BY	DATE:	



## 1/F F.S. LAYOUT PLAN

TOTAL FLOOR AREA: (22m x 6.3m) + (4.85m x 2.3m)

$$11.1386m^3 + 11.155m$$

$$= 349.755 \text{ m}^3$$

CONCLUSION, TOTAL LICENSE FLOOR AREA IS 149.755m<sup>2</sup>, WHICH IS LESS THAN 230m<sup>2</sup>. THEREFOR, NO SPRINKLER SYSTEM IS REQUIRED.