

FSI/314C

To: Director of Fire Services  
(Attn: Building Improvement Division) \* 1 / 2

Fire Service Installation Plans for  
\*Composite Building / Domestic Building at

*Temporary Social Welfare Facility (Drug Dependent Persons  
Treatment and Rehabilitation) for a Period of 3 years in "Recreation"  
Zone, First Floor, Lot 4620 in D.D. 104, Mai Po, Yuen Long  
C Application No. A/YL-MP/327) 372*



This is to certify that the details and specifications of all installations shown on the attached fire service installation plans are as prescribed by the Fire Services Department under the Fire Safety (Buildings) Ordinance and in accordance with the relevant Rules and Codes of Practices, as may be applicable, e.g. :-

- \* Rules of Loss Prevention Council for Automatic Sprinkler Installation
- \* Fire Offices' Committee for Automatic Sprinkler Installation (29th Edition)
- \* Code of Practice for Minimum Fire Service Installations and Equipment, Fire Services Department

Full Name of FSI \*Contractor/ Consultant : [REDACTED]

Contact Person : [REDACTED]

Address : [REDACTED]

Tel. : [REDACTED]

Signed : [REDACTED] Date : 22-1-2025

\* To be deleted as appropriate

# 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 5839-1:2007, 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. 4/2021.

13. EMERGENCY LIGHTING SHALL BE PROVIDED IN EVERY COMPARTMENT OF EACH STRUCTURE.

## EXIT SIGN AND DIRECTIONAL SIGN

14. SUFFICIENT EXIT SIGN AND DIRECTIONAL SIGN SHALL BE PROVIDED IN ACCORDANCE WITH BS 5839-1:2017 AND THE FSD CIRCULAR LETTER NO. 5/2008.

15. SUFFICIENT EXIT SIGN AND DIRECTIONAL SIGN SHALL BE PROVIDED TO ENSURE THAT ALL EXIT ROUTES AREA CLEARLY INDICATED.

## POTABLE EQUIPMENT

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

## FIRE DETECTION SYSTEM

17. FIRE DETECTION SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH BS 5839-1:2017 AND THE FSD CIRCULAR LETTER NO. 6/2021.

18. SMOKE DETECTOR WITH SOUNDER BASE SHALL BE PROVIDED IN SLEEPING ACCOMMODATION OF LICENSE AREA.

19. THE DETECTOR SHALL BE OF FSD APPROVED TYPE.

20. ON MAIN FIRE ALARM CONTROL PANEL SHALL BE PROVIDED AS INDICATED ON PLANS TO RECEIVE ALL FIRE ALARM SIGNALS.

21. HEAT DETECTOR SHALL BE PROVIDED FOR LAVATORY AND SMOKE DETECTOR SHALL BE PROVIDED FOR LIVING ROOM AND CORRIDOR.

22. 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 SERVICE PROVIDER OF THE COMPUTERIZED FIRE ALARM TRANSMISSION SYSTEM.



BLOCK PLAN

元朗米埔丈量約份  
第104約地段 第4620號1樓  
FIRST FLOOR, LOT 4620  
IN D.D. 104, MAI PO,  
YUEN LONG

## ABBREVIATION

L/L	LOW LEVEL	F.E	FIRE EXTINGUISHER
H/L	HIGH LEVEL	F.S	FIRE SERVICES
FSD	FIRE SERVICES DEPARTMENT	S.S.	STAINLESS STEEL
WSD	WATER SUPPLIES DEPARTMENT	H.R.	HOSE REEL
COP	CODE OF PRACTICE	A.A.V.	AUTOMATIC AIR VENT
T/A	TO ABOVE		
T/B	TO BELOW		
F/A	FROM ABOVE		

## LEGEND

	LICENSE AREA		FIRE HOSE REEL		5KG DRY POWDER FIRE EXTINGUISHER
	SMOKE DETECTOR		GATE VALVE		9L WATER TYPE FIRE EXTINGUISHER
	SMOKE DETECTOR WITH SOUNDER BASE		CHECK VALVE		5KG CO2 GAS TYPE FIRE EXTINGUISHER
	HEAT DETECTOR		FLEXIBLE CONNECTOR		EXIT SIGN BOX
	REMOTE INDICATION LAMP		Y-TYPE STRAINER		DIRECTIONAL SIGN BOX
	REMOTE INDICATION LAMP (WEATHERPROOF TYPE)		BALL FLOAT VALVE		FIRE ALARM BELL
	VISUAL FIRE ALARM		STRAINER		MASTER FIRE ALARM BELL
	EMERGENCY LIGHTING WITH BACK UP BATTERY		CHECK METER POSITION		MONITOR MODULE

	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

## COLOUR CODE FOR PIPE SIZES:

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

*Revision*  
2024/6/24

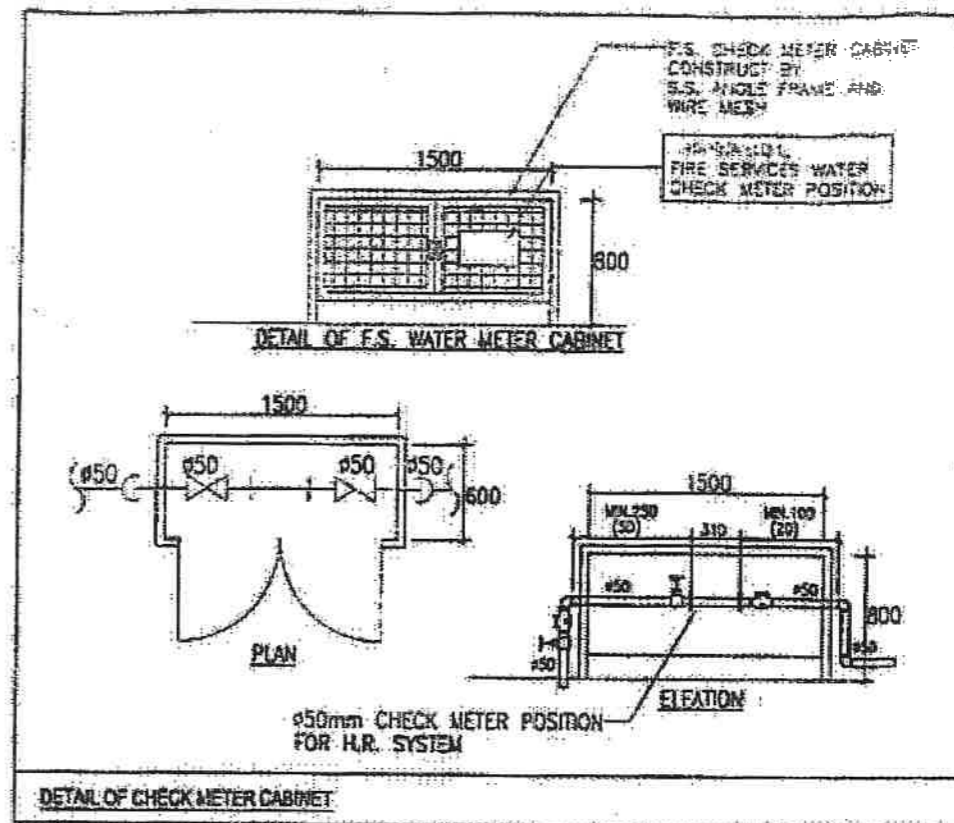
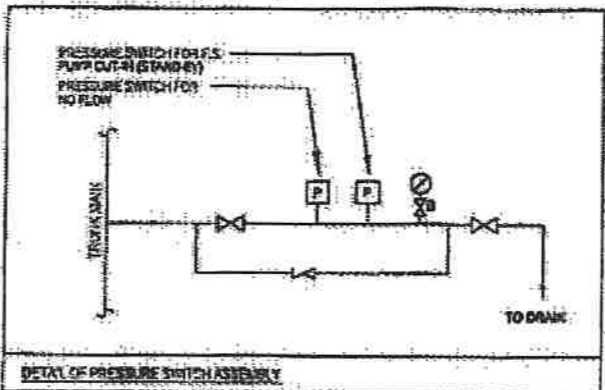
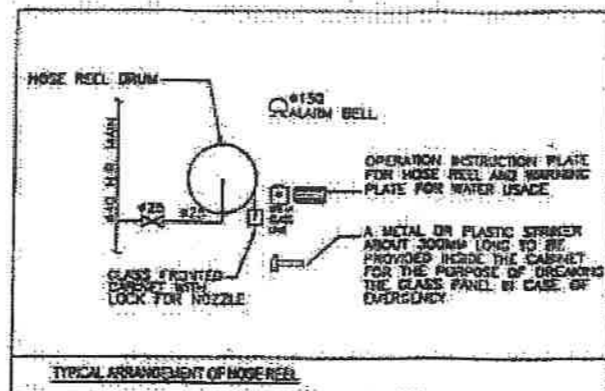
<p>WING KAI ENG. CO. No. 8, 7/F., Kingsford Industrial Centre, 13 Wang Hoi Road, Kowloon Bay, Kln Tel:27561722 Fax:27951775</p>	<p>CLIENT: MISSION ARK LTD.</p>	<p>PROJECT: 元朗米埔丈量約份 第104約地段 第4620號1樓 (關臨時社會福利設施藥物倚賴者治療及康復中心)</p>	<p>TITLE: F.S. NOTES, LEGEND, BLOCK PLAN, ABBREVIATION AND COLOUR CODE FOR PIPE SIZES</p>	R3	REVISED	06/2024	SCALE: NTS	JOB NO.: WK230927
				R2	REVISED	12/2023	DRAWN: CAD	
				R1	REVISED	09/2023	CHECKED: CK HO	DRAWING NO.: FS-01
				NO.	REVISIONS	DATE:	BY:	DATE:

## TO OPERATE FIRE HOSE REEL 使用消防喉轆

- 1) ACTIVATE FIRE ALARM CALL POINT  
按動火警鈴聲
- 2) OPEN CONTROL VALVE BEFORE RUNNING OUT HOSE  
先開喉轆水喉, 再拉出喉轆
- 3) TURN ON WATER AT NOZZLE AND DIRECT JET AT BASE OF FIRE  
將喉轆開動, 拉出喉轆水之喉轆  
(NOT SUITABLE FOR ELECTRICAL FIRES)  
不適用於電氣火

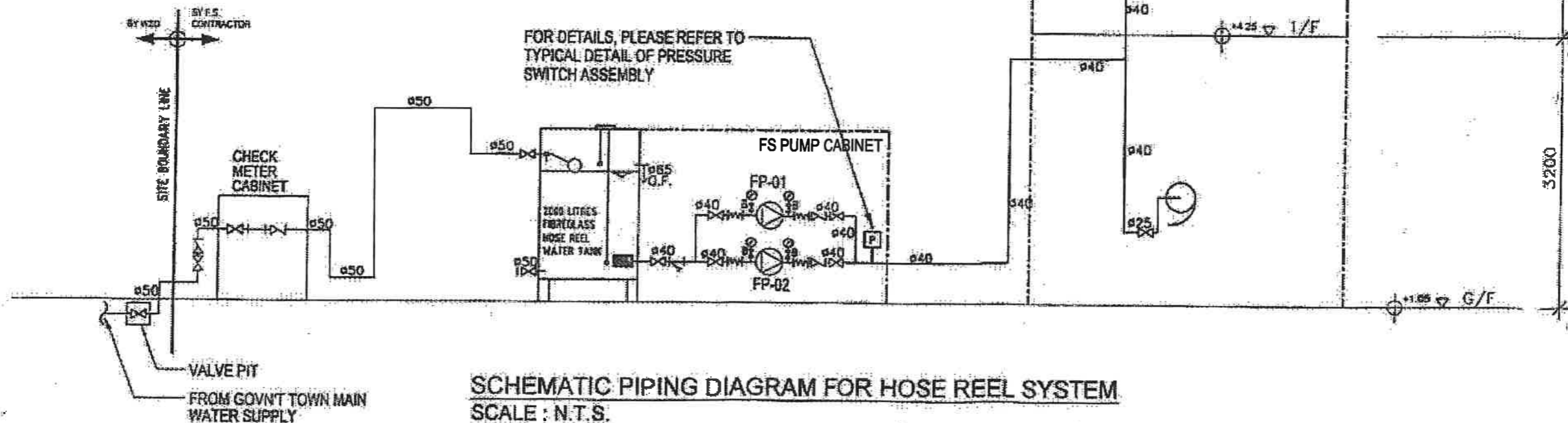
消防用水 嚴禁作其他用途  
USE OF WATER FROM FIRE SERVICES FOR PURPOSES  
OTHER THAN FIRE FIGHTING IS STRICTLY PROHIBITED  
水務處辦事處  
OFFICE OF THE WATER AUTHORITY

DETAIL OF HOSE REEL OPERATION INSTRUCTION PLATE



## 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



FSI CONTRACTOR:



WING KAI ENG. CO.  
No. 8, 7/F., Kingsford Industrial Centre,  
13 Wang Hoi Road, Kowloon Bay, Kln  
Tel:27561722 Fax:27951775

CLIENT:

MISSION ARK LTD.

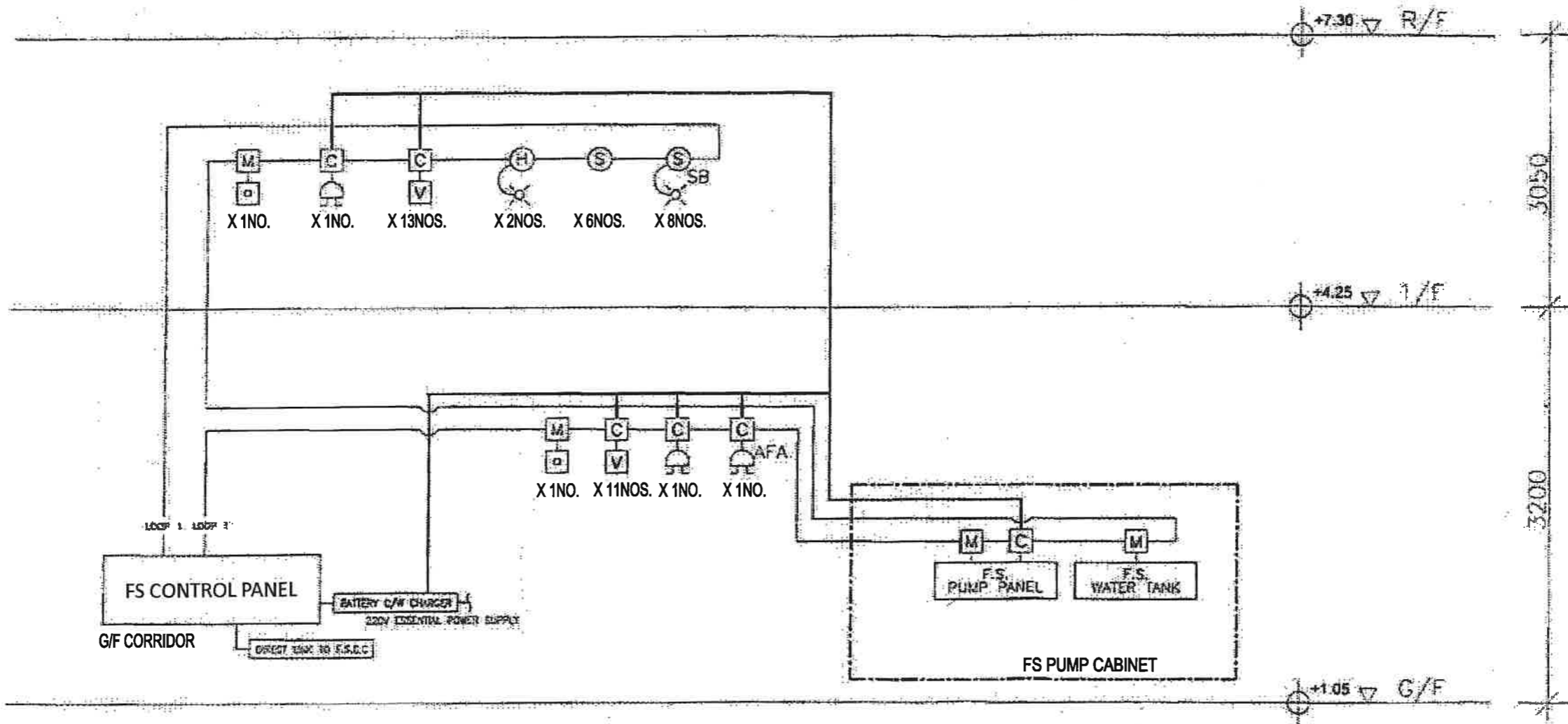
PROJECT:

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:

SCHMATIC PIPING DIAGRAM FOR  
HOSE REEL SYSTEM AND PUMP SCHEDULE

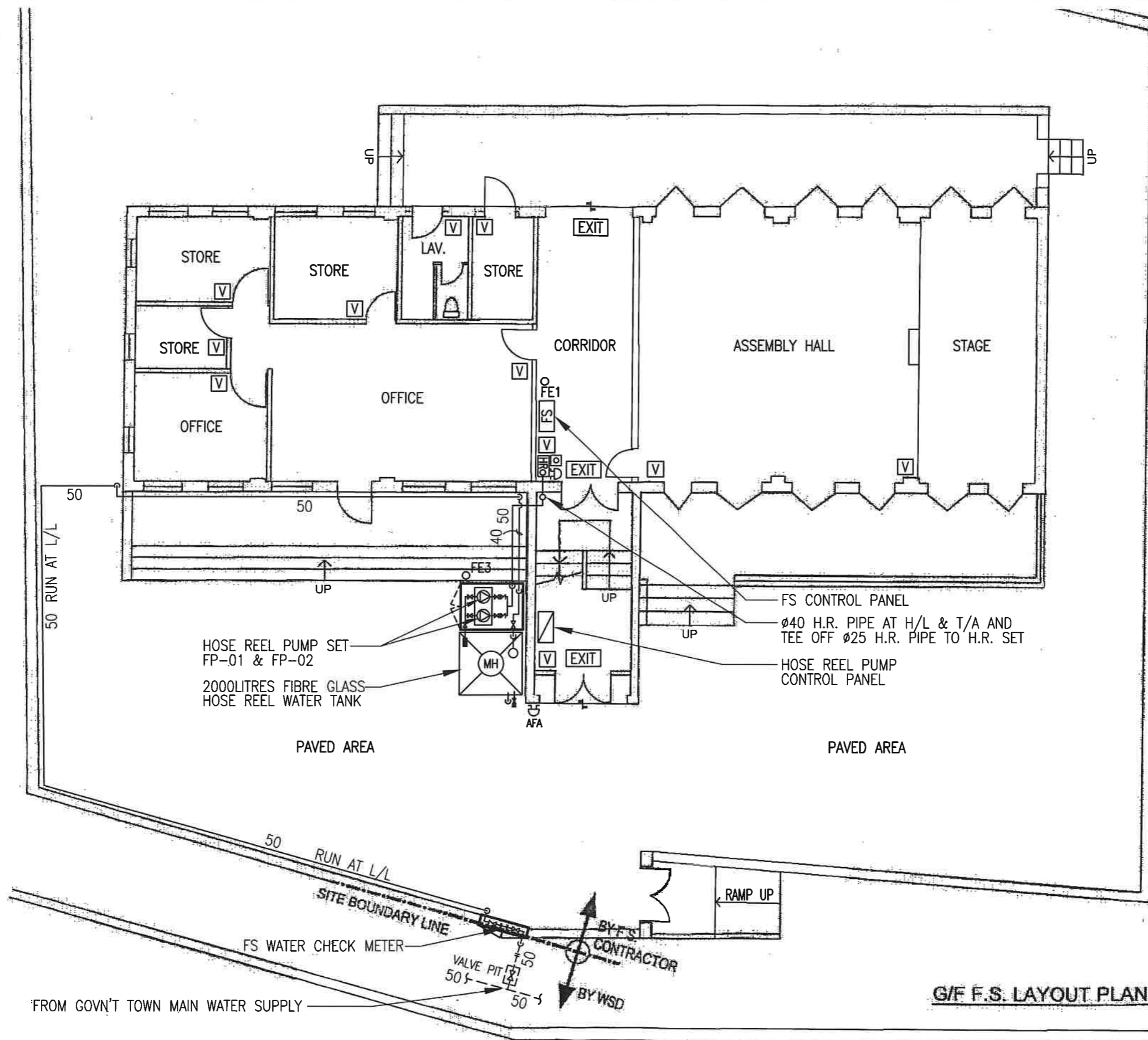
NO.	REVISIONS	DATE:	BY	DATE:	SCALE:	JOB NO.:
R3	REVISED	06/2024			NTS	WK230927
R2	REVISED	12/2023			DRAWN: CAD	
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						FS-02




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

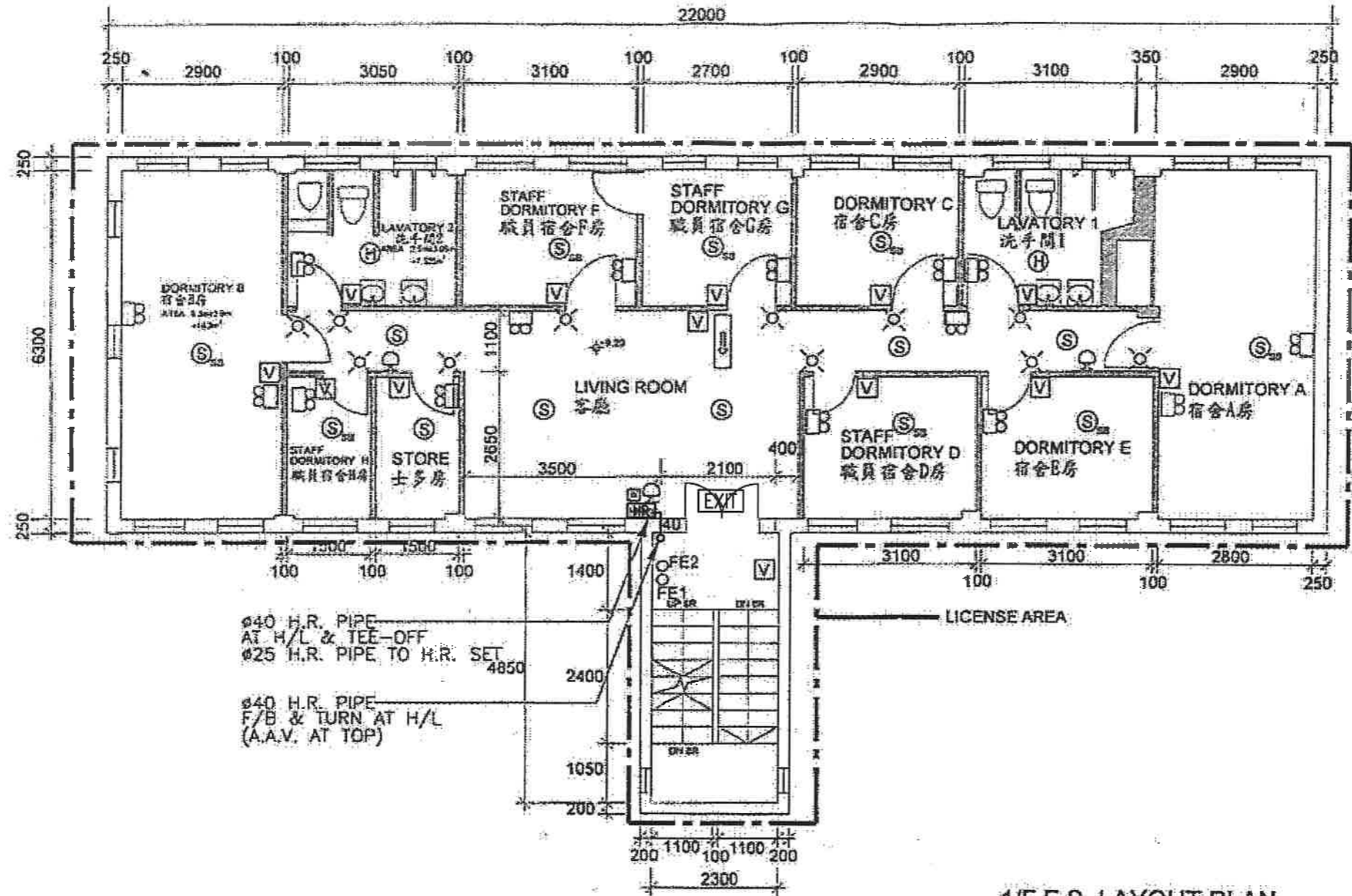
FSI CONTRACTOR:  <b>WING KAI ENG. CO.</b> No. 8, 7/F., Kingsford Industrial Centre, 13 Wang Hai Road, Kowloon Bay, Kln Tel:27561722 Fax:27951775	CLIENT: <b>MISSION ARK LTD.</b>	PROJECT: 元朗米埔丈量約份 第104約地段 第4620號1樓 (關臨時社會福利設施藥物倚賴者治療及康復中心)	TITLE: SCHEMATIC CONTROL WIRING DIAGRAM FOR FIRE ALARM SYSTEM	R3	REVISED	06/2024	SCALE:	NTS	JOB NO.:	WK230927
				R2	REVISED	12/2023	DRAWN:	CAD		
				R1	REVISED	09/2023	CHECKED:	CK HO	DRAWING NO.:	FS-03
				NO.	REVISIONS	DATE:	BY	DATE:		





G/F F.S. LAYOUT PLAN

FSI CONTRACTOR:  <b>WING KAI ENG. CO.</b> No. 8, 7/F., Kingsford Industrial Centre, 13 Wang Hoi Road, Kowloon Bay, Kln Tel:27561722 Fax:27951775	CLIENT: <b>MISSION ARK LTD.</b>	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:		



Ø40 H.R. PIPE  
 AT H/L & TEE-OFF  
 Ø25 H.R. PIPE TO H.R. SET  
 4850  
 2400  
 Ø40 H.R. PIPE  
 F/B & TURN AT H/L  
 (A.A.V. AT TOP)  
 1050  
 200

**1/F F.S. LAYOUT PLAN**

TOTAL FLOOR AREA : (22m x 6.3m) + (4.85m x 2.3m)  
 = 138.6m<sup>2</sup> + 11.155m<sup>2</sup>  
 = 149.755m<sup>2</sup>

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.

FSI CONTRACTOR:  

**WING KAI ENG. CO.**  
 No. 8, 7/F., Kingsford Industrial Centre,  
 13 Wang Hoi Road, Kowloon Bay, Kln  
 Tel:27561722 Fax:27951775

CLIENT:  
**MISSION ARK LTD.**

PROJECT:  
 元朗米埔丈量約份  
 第104約地段 第4620號1樓  
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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-05
NO.	REVISIONS	DATE:	BY	DATE:		