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 2000 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 SPR. & FS. PUMP ROOM.

1.7 THE HR SYSTEM INSTALLED SHOULD BE IN ACCORDANCE WITH THE CODE OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT AND INSPECTION, TESTING AND MAINTENANCE OF INSTALLATIONS 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 AN AUTOMATIC SPRINKLER SYSTEM TO BE PROVIDED TO STRUCTURE 1 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 VALVE 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. SINGLE-END WATER SUPPLY WILL BE FEED FROM TOWN MAIN

2.4 TWO SPR. PUMPS (DUTY & STANDBY) AND ONE SPRINKLER JOCKEY PUMP TO BE PROVIDED FOR SERVING THE STRUCTURE AND LOCATED IN SPR. & FS. PUMP ROOM.

2.5 ALL INSTALLED SPRINKLER SHOULD BE PENDENT TYPE AND THE TEMPERATURE RATING OF SPRINKLER HEAD SHALL BE 68$_o$C UNLESS OTHERWISE SPECIFIED.

2.6 SPRINKLER CONTROL VALVE SET AND SPRINKLER INLET TO BE PROVIDED AS INDICATED ON PLANS.

2.7 ALL SPRINKLER PIPE SIZE SHOULD BE ø32mm UNLESS SPECIFY.

2.8 TYPE OF STORAGE METHOD FOR THE STRUCTURES IS AS FOLLOWS:
(A) STORAGE CATEGORY : CATEGORY (I)
(B) STORAGE HEIGHT : NOT EXCEEDING 4M
(C) STORAGE : FREE-STANDING STORAGE (ST1)
(D) STORAGE BLOCKS: MAX AREA 50M2 AND SEPARATED BY AISLES NO LESS THAN 2.4M WIDE.

3 FIRE ALARM SYSTEM

3.1 FIRE ALARM SYSTEM SHALL BE PROVIDED THROUGHOUT THE ENTIRE STURUCTURE 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. MANUAL CALL POINTS SHOULD BE PROVIDED ADJACENT TO ALL EXITS TO OPEN AIR ON G/F.

3.2 A CONVENTIONAL TYPE FIRE ALARM PANEL TO BE PROVIDED AND LOCATED INSIDE F.S. PUMP ROOM

4. EMERGENCY LIGHTING

4.1 SUFFICIENT EMERGENCY LIGHTING SHALL BE PROVIDED THROUGHOUT THE ENTIRE BUILDINGS/STRUCTURES IN ACCORDANCE WITH BS 5266-1:2016, BS EN 1838:2013 AND FSD CIRCULAR LETTER 4/2021

5. EXIT SIGN

5.1 SUFFICIENT DIRECTIONAL AND EXIT SIGN SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266-1:2016 AND FSD CIRCULAR LETTER 5/2008.

6. MISCELLANEOUS F.S. INSTALLATION

6.1 PORTABLE FIRE EXTINGUISHER WITH SPECIFIED TYPE AND CAPACITY TO BE PROVIDED AT LOCATIONS AS INDICATED ON PLANS.

6.2 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.

6.3 WHEN A VENTILATION/AIR CONDITIONING CONTROL SYSTEM TO A BUILDING IS PROVIDED, IT SHALL STOP MECHANICALLY INDUCED AIR MOVEMENT WITHIN A DESIGNATED FIRE COMPARTMENT.

6.4 DYNAMIC SMOKE EXTRACTION SYSTEM SHALL NOT BE PROVIDED TO FIRE COMPARTMENT EXCEEDING 7000 CUBIC METRES AS THE AGGREGATE AREA OF OPENABLE WINDOWS OF THE RESPECTIVE COMPARTMENT EXCEED 6.25% OF THE FLOOR AREA OF THAT COMPARTMENT.

6.5 ALL ENCLOSED STRUCTURE CAN BE REACHED BY EMERGENCY VEHICLES WITHIN 30M TRAVEL DISTANCE. NO DANGEROUS GOODS SHOULD BE STORAGE OR USE AT THE ENTIRE SITE.

6.6 FOR ENCLOSED STRUCTURE WITH A GROSS FLOOR AREA EXCEEDING 230M^2, A 20-35KG WHEELED TYPE DRY CHEMICAL FIRE EXTINGUISHER SHALL BE PROVIDED IN EVERY 500M^2 ON EVERY FLOOR INSIDE THE PREMISES AND SHALL ENSURE EVERY PART OF THE PREMISES CAN BE REACHED FROM A DISTANCE OF NOT MORE THAN 30M.

7. STAND-ALONE FIRE DETECTOR

7.1 STAND-ALONE SMOKE DETECTOR SHALL BE PROVIDE IN ACCORDANCE WITH THE "STAND-ALONE FIRE DETECTOR GENERAL GUIDELINES ON PURCHASE, INSTALLATION & MAINTENANCE [SEPTEMBER 2021].

7.2 ALL DETECTORS SHALL BE INTERCONNECTED SUCH THAT WHEN ONE OF THE DETECTORS IS TRIGGERED, ALL CONNECTED DETECTORS SHALL SOUND AN ALARM SIMULTANEOUSLY.

LEGEND (FOR SCHEMATIC DIAGRAM)

- HOSE REEL W/ LOCKABLE GLASS FRONTED NOZZLE BOX, STRIKER, C/W FIRE ALARM BELL & BREAK GLASS UNIT
- 150mm FIRE ALARM BELL
- BREAK GLASS UNIT
- FAST RESPONSE TYPE SPRINKLER HEAD
- FLOW SWITCH
- MONITORED GATE VALVE
- SPRINKLER ZONE SUBSIDIARY CONTROL VALVE ASSEMBLY INCLUDES ZONE SUBSIDIARY CONTROL VALVE, FLOW SWITCH, TEST GATE VALVE AND DRAIN VALVE
- GATE VALVE
- NON RETURN VALVE
- VORTEX INHIBITOR
- BALL FLOAT VALVE
- PRESSURE SWITCH
- PRESSURE GAUGE WITH COCK
- A.A.V. AUTOMATIC AIR VENT WITH COCK
- SPRINKLER / HOSE REEL PIPE
- SPRINKLER CONTROL VALVE SET
- LEVEL SWITCH (HIGH LEVEL SIGNAL & LOW LEVEL SIGNAL)
- FLEXIBLE CONNECTOR
- CHECK METER POSITION
- PLUG
- Y-STRAINER
- SPRINKLER / F.S. INLET
- SPRINKLER PROVING PIPE
- EXISTING F. S. INSTALLTION

LEGEND (FOR LAYOUT PLAN)

- H.R. HOSE REEL W/ LOCKABLE GLASS FRONTED NOZZLE BOX, STRIKER, C/W FIRE ALARM BELL & BREAK GLASS UNIT
- 150mm FIRE ALARM BELL
- BREAK GLASS UNIT
- SPRINKLER HEAD
- FLOW SWITCH
- MONITORED GATE VALVE
- SPRINKLER ZONE SUBSIDIARY CONTROL VALVE ASSEMBLY INCLUDES ZONE SUBSIDIARY CONTROL VALVE, FLOW SWITCH, TEST GATE VALVE AND DRAIN VALVE
- GATE VALVE
- NON RETURN VALVE
- VORTEX INHIBITOR
- BALL FLOAT VALVE
- PRESSURE SWITCH
- SPRINKLER / HOSE REEL PIPE
- SPRINKLER CONTROL VALVE SET
- CHECK METER POSITION
- SPRINKLER / F.S. INLET
- F.E. Co2 5Kg CO2 TYPE FIRE EXTINGUISHER
- F.E. D.P 4Kg DRY POWDER TYPE FIRE EXTINGUISHER
- PUMP
- 150mm WATER ALARM GONG
- EMERGENCY LIGHTING
- EXIT EXIT SIGN
- MFA MANUAL TYPE FIRE ALARM PANEL
- PUMP CONTROL PANEL
- E SELF-CONTAINED EMERGENCY FLUORESCENT LIGHTING UNIT
- EXISTING F. S. INSTALLTION
- S S STAND-ALONE SMOKE DETECTOR (220V WITH BATTERY BACKUP)
- DIRECTIONAL SIGN
- F.E. WT.DC. WEELED TYPE DRY CHEMICAL FIRE EXTINGUISHER (20KG)

ABBREVIATION

SPR.	SPRINKLER
F.H.	FIRE HYDRANT
H.R.	HOSE REEL
F.E.	FIRE EXTINGUISHER
CO_2	CARBON DIOXIDE
L.P.C.	LOSS PREVENTION COUNCIL
F.S.I.	FIRE SERVICES INSTALLATION
H/L	HIGH LEVEL
M/L	MID LEVEL
L/L	LOW LEVEL
F/A	FROM ABOVE
F/B	FROM BELOW
T/A	TO ABOVE
T/B	TO BELOW
U/G	UNDERGROUND
F.S.	FIRE SERVICES

COLOUR CODE

PIPE SIZES	COLOUR
ø25mm	LIGHT GREEN
ø32mm	RED
ø40mm	PURPLE
ø50mm	YELLOW
ø65mm	BLUE
ø80mm	GREEN
ø100mm	LIGHT BROWN
ø150mm	DEEP BROWN

DRAWING LIST

DRAWING NO	DESCRIPTION
EP-10267-FS01	FS NOTES, LEGEND, ABBREVIATIONS AND DRAWING LIST
EP-10267-FS02	PROPOSED FIRE SERVICES INSTALLATION LAYOUT PLAN
EP-10267-FS03	PROPOSED FIRE SERVICES INSTALLATION PART PLAN FOR G/F BELOW PLATFORM
EP-10267-GBP01	GROUND FLOOR PLAN AND OPENABLE WINDOWS AREA CALCULATION

REV	DESCRIPTION	DATE	BY
B	FSD SUBMISSION	13-10-2026	LC
A	FSD SUBMISSION	2-10-2026	LC

FSI CONTRACTOR

[redacted]

PROJECT

PROPOSED TEMPORARY LOGISTIC CENTRE WITH ANCILLARY SITE OFFICE FOR A PERIOD OF 3 YEARS AT LOTS 2941 RP(PART), 3066(PART), 3077(PART), 3092(PART), 3094(PART), 3095, 3096(PART), 3098(PART), 3099, 3100(PART), 3101, 3102, 3103, 3104, 3105(PART), 3114RP(PART), 3115RP(PART) & 3116RP(PART) IN D.D.129 & ADJOINING GOVERNMENT LAND, HA TSUEN, YUEN LONG, N.T.

DRAWING TITLE

FS NOTES, LEGEND, ABBREVIATIONS AND DRAWING LIST

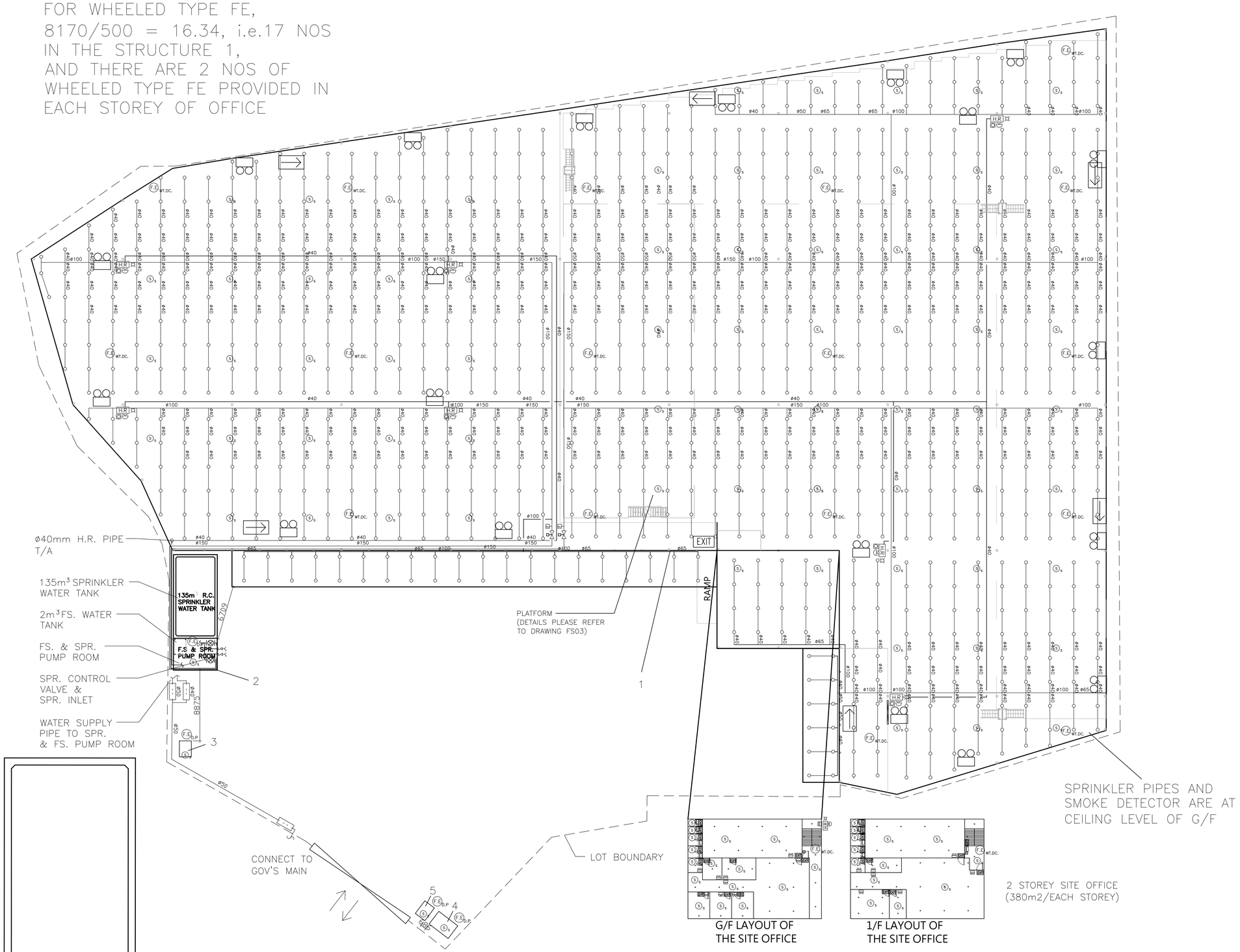
	INITIAL	DESIGNATION	DATE
DRAWN BY	HY	Eng.T	03-02-2016
DESIGNED BY	HY	Eng.T	03-02-2016
CHECKED BY	CM	PM	13-10-2016
APPROVED BY	-	-	-
PROJECT NO.	10267 - HSK 622		
PAPER SIZE	A3	PLOT SCALE	1 : 1

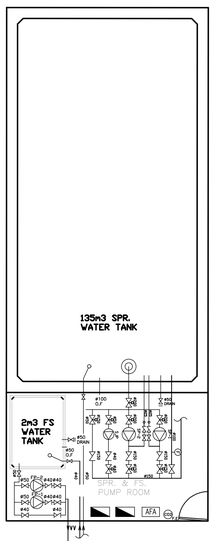
DRAWING NO.

EP-10267-FS01

SCALE	N. T. S.	REVISION	B

FOR WHEELED TYPE FE,
8170/500 = 16.34, i.e.17 NOS
IN THE STRUCTURE 1,
AND THERE ARE 2 NOS OF
WHEELED TYPE FE PROVIDED IN
EACH STOREY OF OFFICE





PART PLAN OF SPR & FS. PUMP ROOM
(SCALE 1:100)

NO	STRUCTURE CONTENT:	APPROXIMATED AREA (m^2)
1.	10-METER TALL OF TEMPORARY LOGISTIC CENTRE INCLUDING SITE OFFICE & G/F PLATFORM	8170
2.	SPR. & FS. WATER TANK AND PUMP ROOM	100
3.	ELECTRICITY METER ROOM	10
4.	TOILET	20
5.	GUARD ROOM	4

REV	DESCRIPTION	DATE	BY
B	FSD SUBMISSION	13-10-2026	LC
A	FSD SUBMISSION	2-10-2026	LC

FSI CONTRACTOR

[redacted]

PROJECT

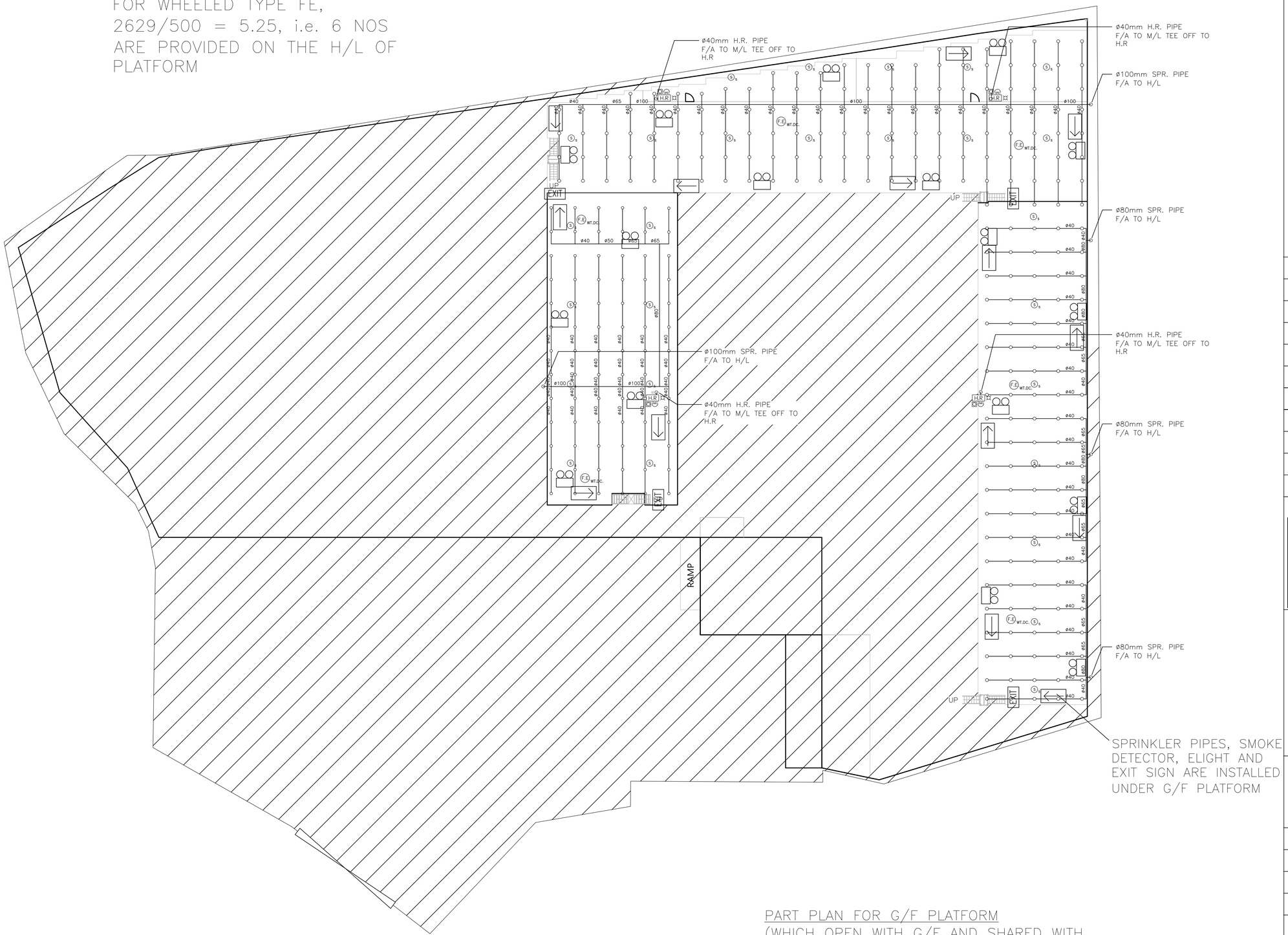
PROPOSED TEMPORARY LOGISTIC CENTRE WITH ANCILLARY SITE OFFICE FOR A PERIOD OF 3 YEARS AT LOTS 2941 RP(PART), 3066(PART), 3077(PART), 3092(PART), 3094(PART), 3095, 3096(PART), 3098(PART), 3099, 3100(PART), 3101, 3102, 3103, 3104, 3105(PART), 3114RP(PART), 3115RP(PART) & 3116RP(PART) IN D.D.129 & ADJOINING GOVERNMENT LAND, HA TSUEN, YUEN LONG, N.T.

DRAWING TITLE

PROPOSED FIRE SERVICES INSTALLATION LAYOUT PLAN (G/F)

	INITIAL	DESIGNATION	DATE
DRAWN BY	HY	Eng.T	03-02-2016
DESIGNED BY	HY	Eng.T	03-02-2016
CHECKED BY	CM	PM	13-10-2016
APPROVED BY	-	-	-
PROJECT NO.	10267 - HSK 622		
PAPER SIZE	A3	PLOT SCALE	1 : 1
DRAWING NO.	EP-10267-FS02		
SCALE	1 : 500	REVISION	B

FOR WHEELED TYPE FE,
2629/500 = 5.25, i.e. 6 NOS
ARE PROVIDED ON THE H/L OF
PLATFORM



PART PLAN FOR G/F PLATFORM
(WHICH OPEN WITH G/F AND SHARED WITH
SAME COMPARTMENT WITH STRUCTURE 1)

REV	DESCRIPTION	DATE	BY
B	FSD SUBMISSION	13-10-2026	LC
A	FSD SUBMISSION	2-10-2026	LC

FSI CONTRACTOR

[redacted]

PROJECT

PROPOSED TEMPORARY LOGISTIC CENTRE WITH ANCILLARY SITE OFFICE FOR A PERIOD OF 3 YEARS AT LOTS 2941 RP(PART), 3066(PART), 3077(PART), 3092(PART), 3094(PART), 3095, 3096(PART), 3098(PART), 3099, 3100(PART), 3101, 3102, 3103, 3104, 3105(PART), 3114RP(PART), 3115RP(PART) & 3116RP(PART) IN D.D.129 & ADJOINING GOVERNMENT LAND, HA TSUEN, YUEN LONG, N.T.

DRAWING TITLE

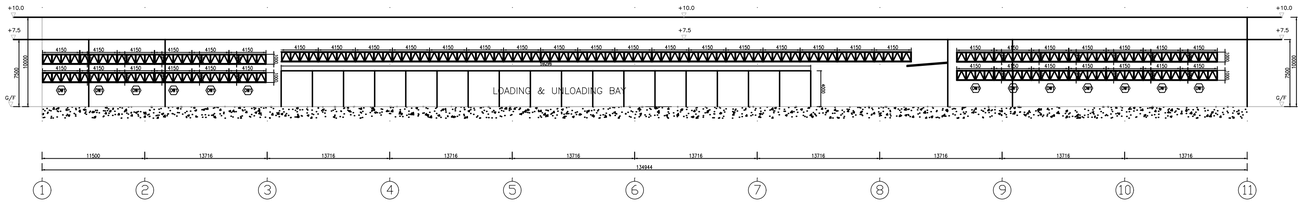
PROPOSED FIRE SERVICES INSTALLATION LAYOUT PLAN
PART PLAN FOR G/F PLATFORM

	INITIAL	DESIGNATION	DATE
DRAWN BY	HY	Eng.T	03-02-2016
DESIGNED BY	HY	Eng.T	03-02-2016
CHECKED BY	CM	PM	13-10-2016
APPROVED BY	–	–	–
PROJECT NO.	10267 – HSK 622		
PAPER SIZE	A3	PLOT SCALE	1 : 1

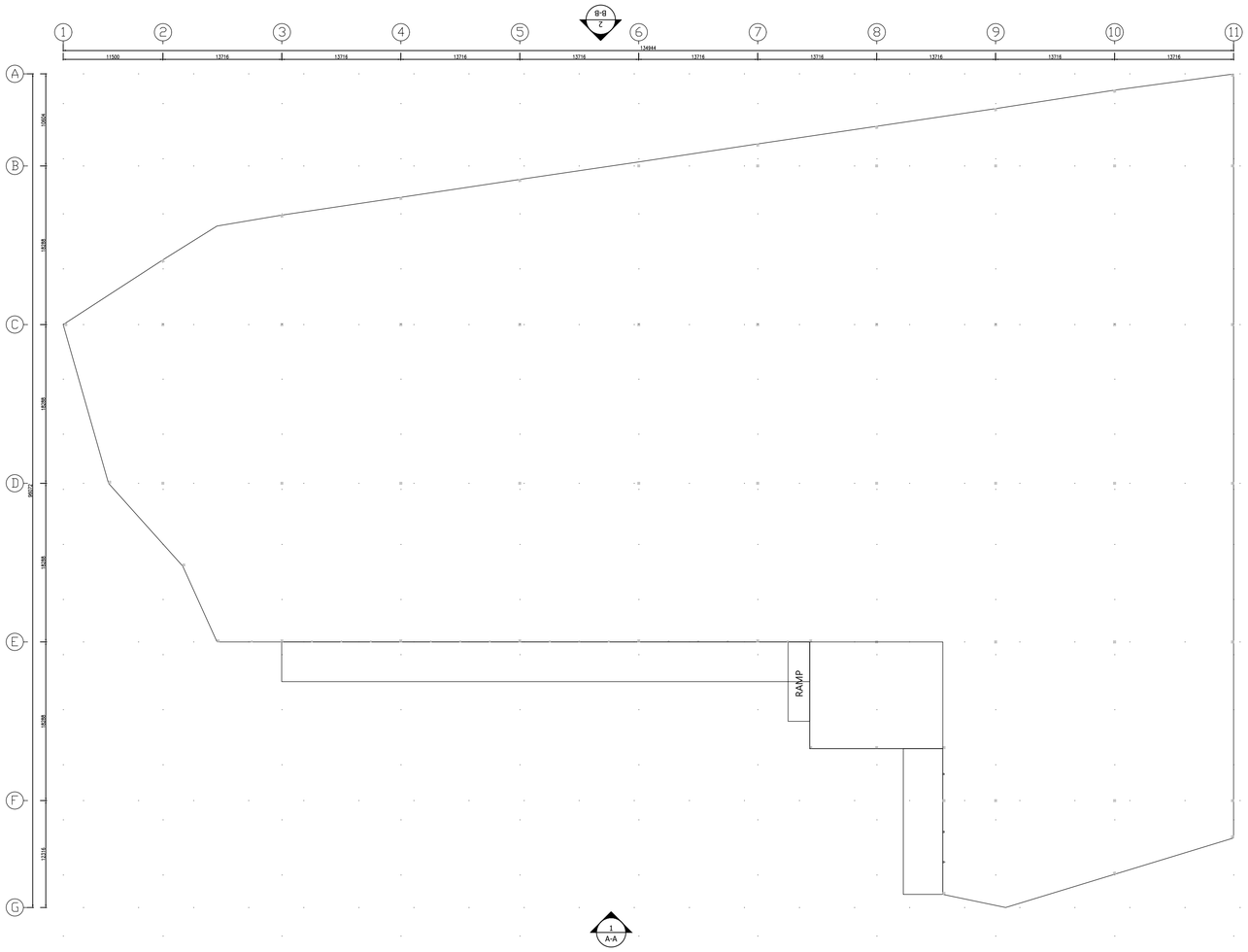
DRAWING NO.

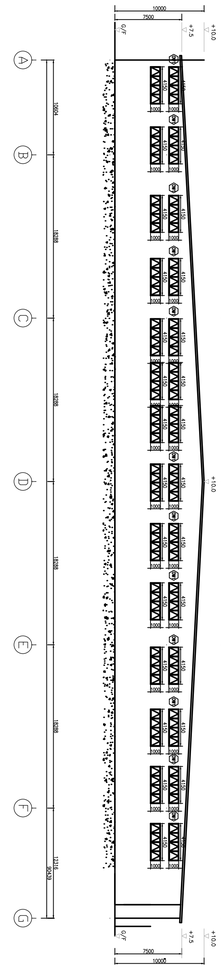
EP-10267-FS03

SCALE	1 : 500	REVISION	B

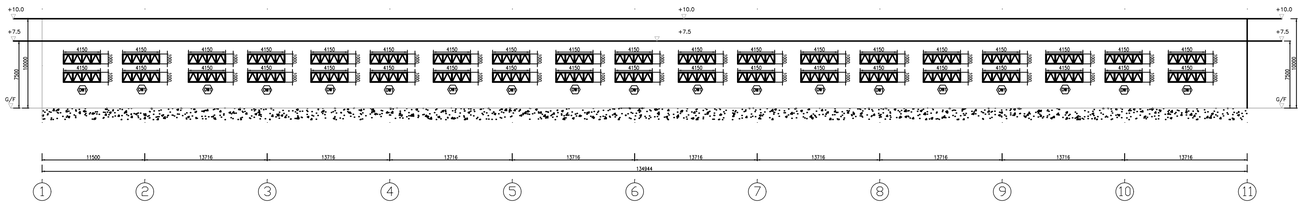


ELEVATION PLAN (ELV A–A)





ELEVATION PLAN (ELV C–C)



ELEVATION PLAN (ELV B–B)

OPENABLE WINDOW AREA CALCULATION UNDER F.S.D. REQUIREMENT FOR COMPARTMENT EXCEEDING 7000m³

LOCATION	USABLE FL. AREA (m^2) PER FLOOR	OPENABLE WINDOW AREA REQUIRED	OPENABLE WINDOW AREA PROVIDED	
G/F	8170	8,170 X 6.25% = 510.6m^2	REFER TO ELEVATION-(A-A) = 4.15*30 =249 REFER TO ELEVATION-(B-B) = 4.15*38 =157.7 REFER TO ELEVATION-(C-C) = 4.15*28 =116.2	TOTAL = 522.9 > 510.6 m^2

REV	DESRIPTION	DATE	BY
A	FSD SUBMISSION	2-10-2026	LC

FSI CONTRACTOR

[redacted]

PROJECT

PROPOSED TEMPORARY LOGISTIC CENTRE WITH ANCILLARY SITE OFFICE FOR A PERIOD OF 3 YEARS AT LOTS 2941 RP(PART), 3066(PART), 3077(PART), 3092(PART), 3094(PART), 3095, 3096(PART), 3098(PART), 3099, 3100(PART), 3101, 3102, 3103, 3104, 3105(PART), 3114RP(PART), 3115RP(PART) & 3116RP(PART) IN D.D129 & ADJOINING GOVERNMENT LAND, HA TSUEN, YUEN LONG, N.T.

DRAWING TITLE

GROUND FLOOR PLAN & OPENABLE WINDOWS AREA CALCULATION

	INITIAL	DESIGNATION	DATE
DRAWN BY	HY	A. ENG	06-03-2017
DESIGN BY	CM	PM	06-03-2017
CHECK BY	CM	PM	06-03-2017
APPROVED BY	–	–	–
PROJECT NO.	10267-HSK622		
PAPER SIZE	A1	PLOT SCALE	1 : 1

DRAWING NO.
EP-10267-GBP01

SCALE	1 : 350 @A1	REVISION	A