

Moon Leong KOK/PLAND

寄件者: 陳灝然 [REDACTED]
寄件日期: 2024年08月05日星期一 12:13
收件者: tpbpd/PLAND
副本: Moon Leong KOK/PLAND
主旨: A/HSK/523消防建議
附件: HSK 523 回收城 FS Plan.R3.pdf

類別: Internet Email

敬啟者

此電郵取代 11:35 發出的電郵。
有關上述規劃申請現提交消防建議。

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 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 STRUCTURE TS3, TS4, TS6, TS10, TS11 AND TS15 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.
- 2.4 ALL INSTALLED SPRINKLER SHOULD BE PENDENT TYPE AND THE TEMPERATURE RATING OF SPRINKLER HEAD SHALL BE 68°C UNLESS OTHERWISE SPECIFIED.
- 2.5 SPRINKLER CONTROL VALVE SET AND SPRINKLER INLET TO BE PROVIDED AS INDICATED ON PLANS.
- 2.6 ALL SPRINKLER PIPE SIZE SHOULD BE $\phi 32\text{mm}$ UNLESS SPECIFY.
- 2.7 TYPE OF STORAGE METHOD FOR THE BUILDING IS AS FOLLOWS:
 (A) STORAGE CATEGORY : CATEGORY (iii)
 (B) STORAGE HEIGHT : NOT EXCEEDING 2.1M
 (C) STORAGE : ST1
- 2.8 STORAGE BLOCK SHOULD BE SEPARATED BY AISLES NO LESS THAN 2.4m WIDE.
- 2.9 THE MAXIMUM STORAGE AREA SHALL BE 50m^2 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 SPR. & F.S. 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 AND BS EN 1838:2013 AND THE FSD CIRCULAR LETTER NO. 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 IS PROVIDED, IT SHALL STOP MECHANICALLY INDUCED AIR MOVEMENT WITHIN A DESIGNATED FIR COMPARTMENT.
- 4.6 NO DYNAMIC SMOKE EXTRACTION SYSTEM SHALL BE PROVIDED SINCE THE FIRE COMPARTMENT EXCEEDING 7000 CUBIC METRES HAS PROVIDED OVER 6.25% OPENABLE WINDOWS OF THE FLOOR AREA OF THAT COMPARTMENT.









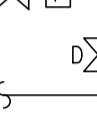

















DRAWING LIST

DRAWING NO	DESCRIPTION
EP-10079-FS01	FS NOTES, LEGEND, ABBREVIATIONS AND DRAWING LIST
EP-10079-FS02	PROPOSED FS INSTALLATION G/F LAYOUT PLAN
EP-10079-FS02-1	PROPOSED FS INSTALLATION 1/F LAYOUT PLAN
EP-10079-FS03	GBP AND WINDOWS SIZE CALCULATION

COLOUR CODE

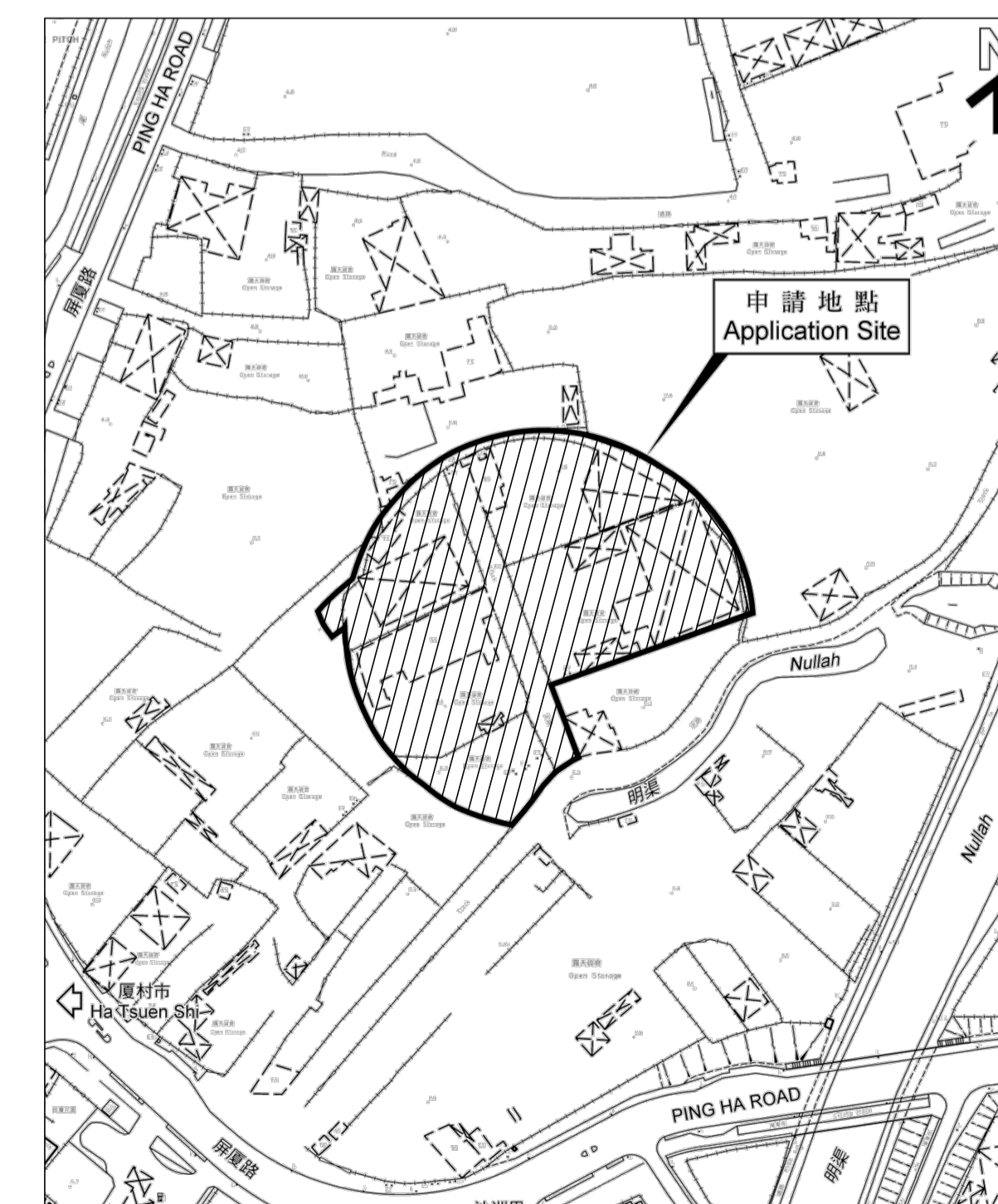
PIPE SIZES	COLOUR
$\phi 25\text{mm}$	LIGHT GREEN
$\phi 32\text{mm}$	RED
$\phi 40\text{mm}$	PURPLE
$\phi 50\text{mm}$	YELLOW
$\phi 65\text{mm}$	BLUE
$\phi 80\text{mm}$	GREEN
$\phi 100\text{mm}$	LIGHT BROWN
$\phi 150\text{mm}$	DEEP BROWN

LEGEND (FOR LAYOUT PLAN)

	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
	SPRINKLER HEAD 93°C
	SPRINKLER HEAD UNDER OBSTACLE
	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
	5Kg CO2 TYPE FIRE EXTINGUISHER
	4Kg DRY POWDER TYPE FIRE EXTINGUISHER
	PUMP
	150mm WATER ALARM GONG
	EMERGENCY LIGHTING
	EXIT SIGN
	ADDRESSABLE TYPE FIRE ALARM PANEL
	PUMP CONTROL PANEL

ABBREVIATION

H.R.	HOSE REEL
F.S.	FIRE SERVICES
SPR.	SPRINKLER
U/G	UNDERGROUND
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
W/	WITH
FFL	FINISHED FLOOR LEVEL
FE	FIRE EXTINGUISHER
DP	DESIGN POINT

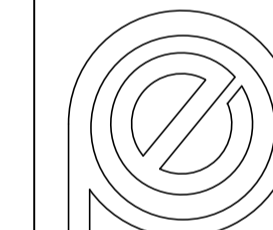


LOCATION PLAN (NOT TO SCALE)

REV	DESCRIPTION	DATE	BY
D	PD SUBMISSION	04-08-2024	WC
C	PD SUBMISSION	16-06-2024	WC
B	PD SUBMISSION	20-05-2024	WC
A	FSD SUBMISSION	30-10-2020	CAD

FSI CONTRACTOR

East Power Engineering Limited



PROJECT

FIRE SERVICE INSTALLATION WORK AT LOT 1869 (PART), HA TSUEN, YUEN LONG, N.T.

DRAWING TITLE

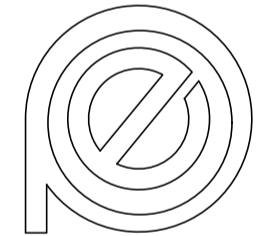
FS NOTES, LEGEND, ABBREVIATIONS AND DRAWING LIST

	INITIAL	DESIGNATION	DATE
DRAWN BY	CAD	CAD	16-04-2018
DESIGNED BY	CM	PM	16-04-2018
CHECKED BY	CM	PM	17-04-2018
APPROVED BY	-	-	-
PROJECT NO.	10079		
PAPER SIZE	A3	PLOT SCALE	1 : 1
DRAWING NO.	EP-10079-FS01		
SCALE	N. T. S.	REVISION	D



構築物序號	上蓋面積 (平方米)	樓面面積 (平方米)	高度(米)	層數	建築物料	用途
TS1	60	120	5	2	金屬搭建	寫字樓
TS2	80	80	5	1	金屬搭建	過貨涼棚
TS3	450	480 (已包括第二層寫字樓面積約30平方米)	5	2	金屬搭建	過貨涼棚及寫字樓
TS4	1420	1420	9	1	金屬搭建	過貨涼棚
TS5	3	3	3	1	金屬搭建	洗手間
TS6	680	680	6	1	金屬搭建	儲物涼棚
TS7	25	50	5	2	金屬搭建	寫字樓
TS8	180	204 (已包括第二層寫字樓面積約24平方米)	5	2	金屬搭建	寫字樓
TS9	90	120 (已包括第二層寫字樓面積約30平方米)	6	2	金屬搭建	寫字樓
TS10	1050	1050	9	1	金屬搭建	儲物涼棚
TS11	1400	1400	9	1	金屬搭建	儲物涼棚
TS12	30	50 (已包括第二層寫字樓面積約20平方米)	5	2	金屬搭建	寫字樓
TS13	8	16	5	2	金屬搭建	機械設施
TS14	110	158 (已包括第二層寫字樓面積約48平方米)	5	2	金屬搭建	寫字樓
TS15	260	260	5	1	金屬搭建	過貨涼棚
TS16	70	70	6	1	金屬搭建	寫字樓
TS17	32	32	3	1	金屬搭建	洗手間
TS18	24	24	3	1	金屬搭建	儲物櫃
TS19	10	10	3	1	金屬搭建	消防泵房

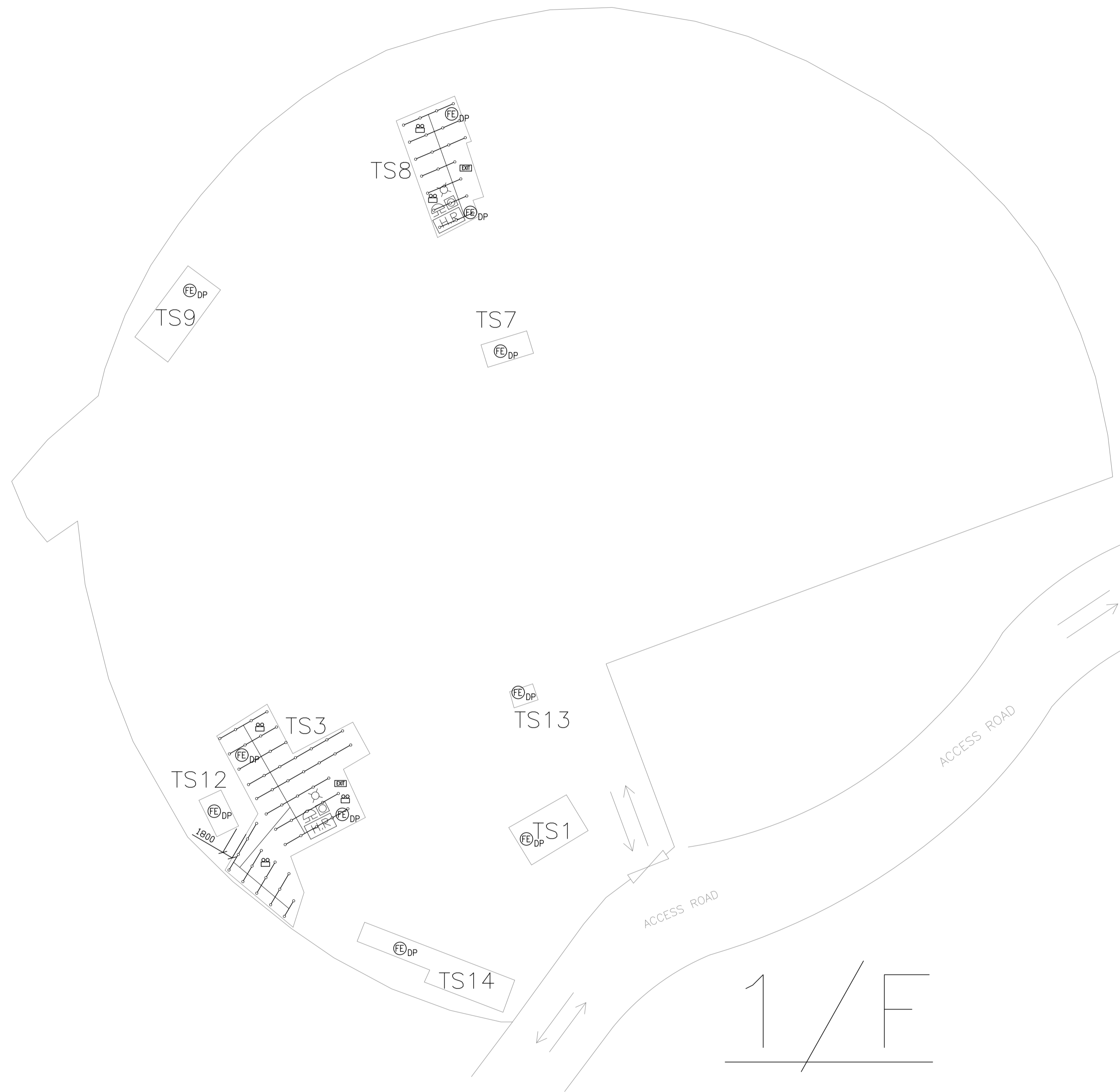
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D	PD SUBMISSION	04-08-2024	WC
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B	PD SUBMISSION	20-05-2024	WC
A	FSD SUBMISSION	30-10-2020	CAD

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 FIRE SERVICE INSTALLATION WORK AT LOT 1869 (PART), HA TSUEN, YUEN LONG, N.T.

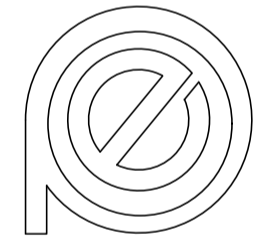
DRAWING TITLE
 PROPOSED FS INSTALLATION G/F LAYOUT PLAN

	INITIAL	DESIGNATION	DATE
DRAWN BY	CAD	CAD	16-04-2018
DESIGNED BY	CM	PM	16-04-2018
CHECKED BY	CM	PM	17-04-2018
APPROVED BY	-	-	-
PROJECT NO.	10079		
PAPER SIZE	A3	PLOT SCALE	1 : 1
DRAWING NO.	EP-10079-FS02		
SCALE	1 : 1000	REVISION	C



構築物序號	上蓋面積 (平方米)	樓面面積 (平方米)	高度(米)	層數	建築物料	用途
TS1	60	120	5	2	金屬搭建	寫字樓
TS2	80	80	5	1	金屬搭建	過貨涼棚
TS3	450	480 (已包括第二層寫字樓面 面積約30平方米)	5	2	金屬搭建	過貨涼棚及寫字樓
TS4	1420	1420	9	1	金屬搭建	過貨涼棚
TS5	3	3	3	1	金屬搭建	洗手間
TS6	680	680	6	1	金屬搭建	儲物涼棚
TS7	25	50	5	2	金屬搭建	寫字樓
TS8	180	204 (已包括第二層寫字樓面 面積約24平方米)	5	2	金屬搭建	寫字樓
TS9	90	120 (已包括第二層寫字樓面 面積約30平方米)	6	2	金屬搭建	寫字樓
TS10	1050	1050	9	1	金屬搭建	儲物涼棚
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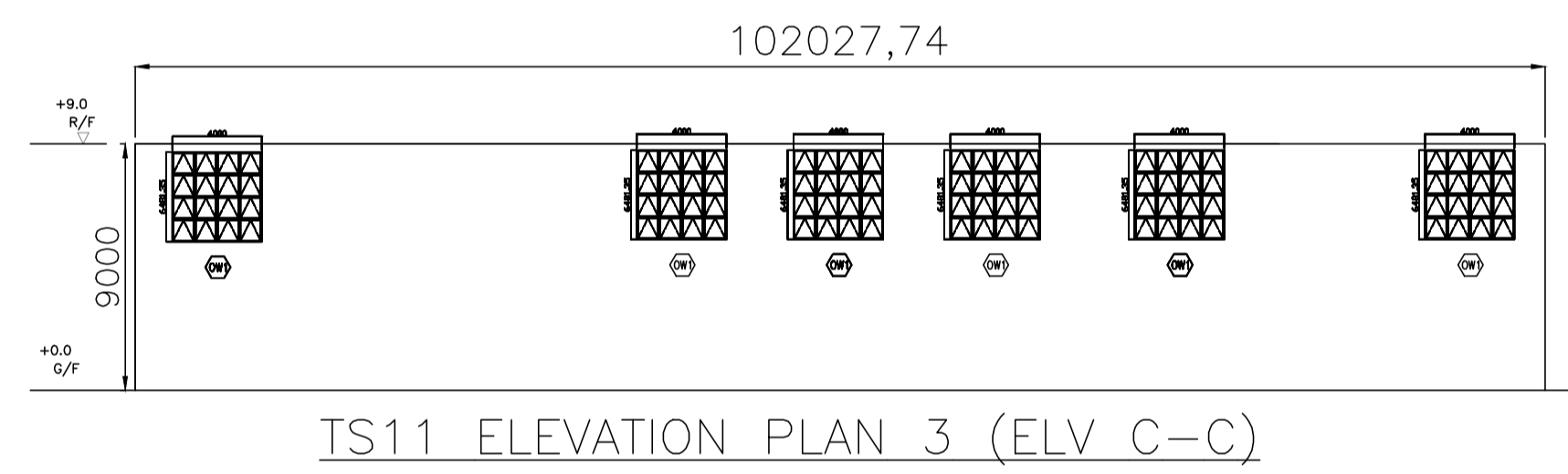
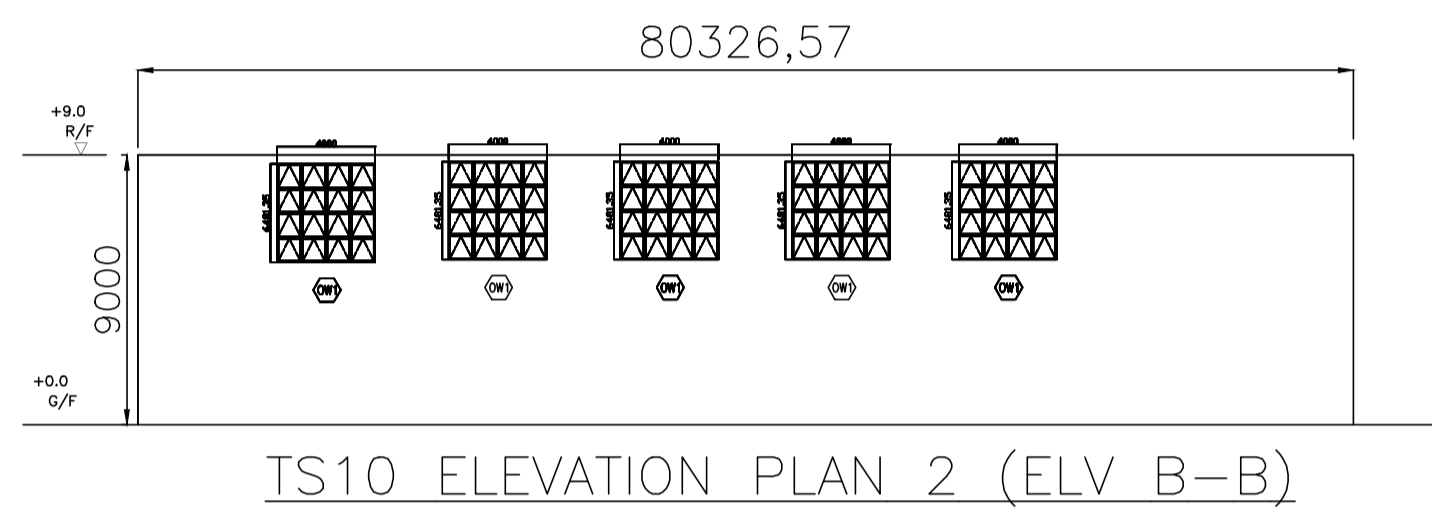
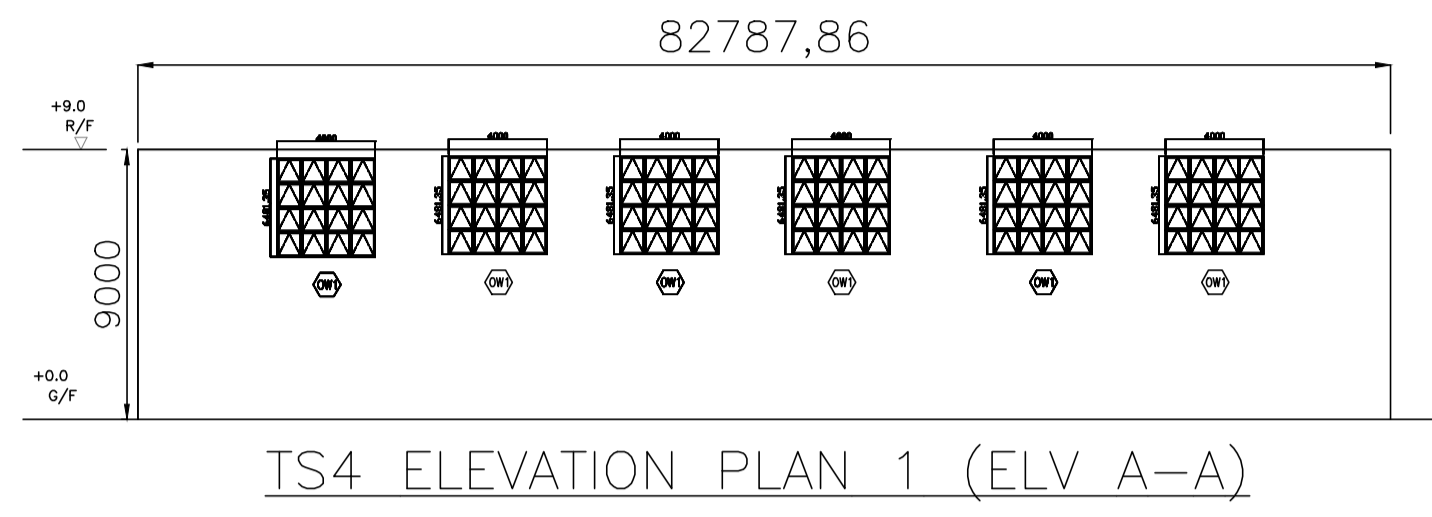
REV	DESCRIPTION	DATE	BY
B	PD SUBMISSION	04-08-2024	WC
A	PD SUBMISSION	16-06-2024	WC

FSI CONTRACTOR
East Power Engineering Limited


PROJECT
 FIRE SERVICE INSTALLATION WORK AT LOT 1869
 (PART), HA TSUEN, YUEN LONG, N.T.

DRAWING TITLE
 PROPOSED FS INSTALLATION 1/F LAYOUT PLAN

	INITIAL	DESIGNATION	DATE
DRAWN BY	CAD	CAD	16-04-2018
DESIGNED BY	CM	PM	16-04-2018
CHECKED BY	CM	PM	17-04-2018
APPROVED BY	-	-	-
PROJECT NO.	10079		
PAPER SIZE	A3	PLOT SCALE	1 : 1
DRAWING NO.	EP-10079-FS02-1		
SCALE	1 : 1000	REVISION	B



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

LOCATION	USABLE FL. AREA (m ²) PER FLOOR	OPENABLE WINDOW AREA REQUIRED	OPENABLE WINDOW AREA PROVIDED	
STRUCTURE TS4	1,420	896 X 6.25% = 88.75	REFER TO ELEVATION-(A-A) = 96	TOTAL = 96 > 88.75
STRUCTURE TS10	1,050	1050 X 6.25% = 65.625	REFER TO ELEVATION-(A-A) = 80	TOTAL = 80 > 65.625
STRUCTURE TS11	1,400	1400 X 6.25% = 87.5	REFER TO ELEVATION-(A-A) = 96	TOTAL = 96 > 87.5

REV	DESCRIPTION	DATE	BY
A	PD SUBMISSION	16-06-2024	WC

FSI CONTRACTOR
East Power Engineering Limited

PROJECT
 FIRE SERVICE INSTALLATION WORK AT LOT 1869 (PART), HA TSUEN, YUEN LONG, N.T.

DRAWING TITLE
 GBP AND WINDOWS SIZE CALCULATION

	INITIAL	DESIGNATION	DATE
DRAWN BY	CAD	CAD	16-04-2018
DESIGNED BY	CM	PM	16-04-2018
CHECKED BY	CM	PM	17-04-2018
APPROVED BY	-	-	-
PROJECT NO.	10079		
PAPER SIZE	A3	PLOT SCALE	1 : 1
DRAWING NO.	EP-10079-FS03		
SCALE	1 : 1000	REVISION	A